

# 高浜発電所及び大飯発電所 環境放射線監視結果

(平成29年度第3四半期)

京 都 府



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## は じ め に

京都府域から約4kmの地点に立地している関西電力株式会社高浜発電所は、82万6千kW2基及び87万kW2基計4基の原子炉が設置されています。

京都府では、同発電所の運転開始（昭和49年11月）に先立って、昭和48年度から同発電所による周辺環境への影響についての監視を行っており、逐次、その監視体制の整備拡充を図ってきたところですが、平成23年3月に発生した福島第1原子力発電所の事故を契機として、同社の117万5千kW2基及び118万kW2基計4基の原子炉が設置されている大飯発電所による周辺環境への影響についても監視することといたしました。

現在、両発電所による周辺環境への影響について、テレメータシステムを用いた放射線測定所での常時監視や環境試料の放射能の測定等を実施しています。

また、これらの常時監視や測定等は、高浜発電所及び大飯発電所に関する環境測定技術検討委員会（放射線に関する有識者等の意見を聴取する会議。）に技術的な助言を受けながら実施しており、平成29年度第3四半期（平成29年10月から平成29年12月まで。以下「今期」という。）の測定等の結果についても、「周辺環境に対する影響は認められず、環境安全上問題はなかった。」との意見をいただいております。

本書は、今期に実施した常時監視や測定等の内容を府民の皆様の参考にしていただくため公表するものです。

## 環境放射線監視結果の概要

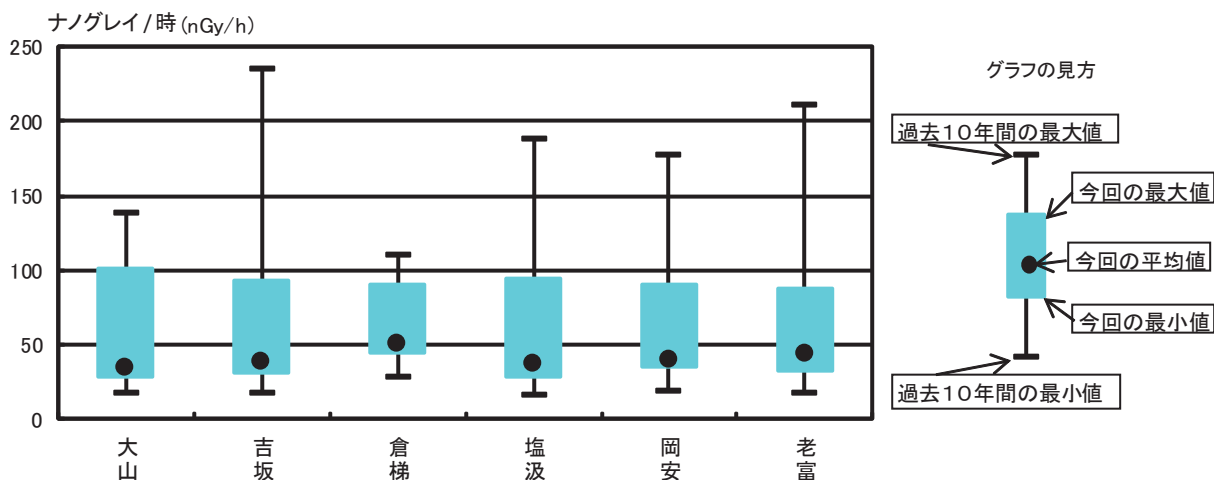
平成29年10月～12月に実施した高浜発電所及び大飯発電所周辺の環境放射線監視結果の概要は次のとおりでした。

### ☆空間線量モニタリングについて

#### 空間放射線量率

放射線測定所（15か所：舞鶴市内6か所、綾部市内3か所、伊根町内1か所、宮津市内1か所、南丹市内2か所、京丹波町内1か所、京都市内1か所）において、空間放射線が1時間あたりどのくらいであるかを測定しています。

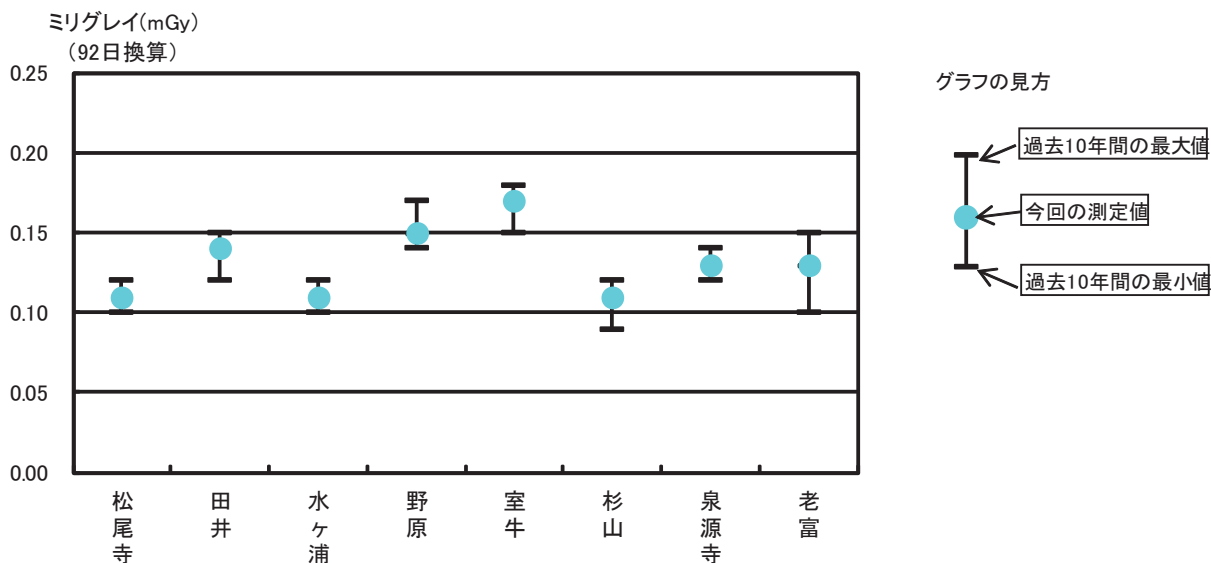
各地点の測定結果は、すべて過去の値の範囲内にあり、環境安全上問題ありませんでした。なお、代表的な地点について測定結果をグラフに示しました。



#### 積算線量

モニタリングポイント（26か所）において、空間放射線が3ヶ月間（92日）でどのくらいになるか測定しました。各地点の測定結果は、すべて過去の値の範囲内にあり、環境安全上問題ありませんでした。

なお、代表的な地点について測定結果をグラフに示しました。



☆陸上、海洋モニタリングについて

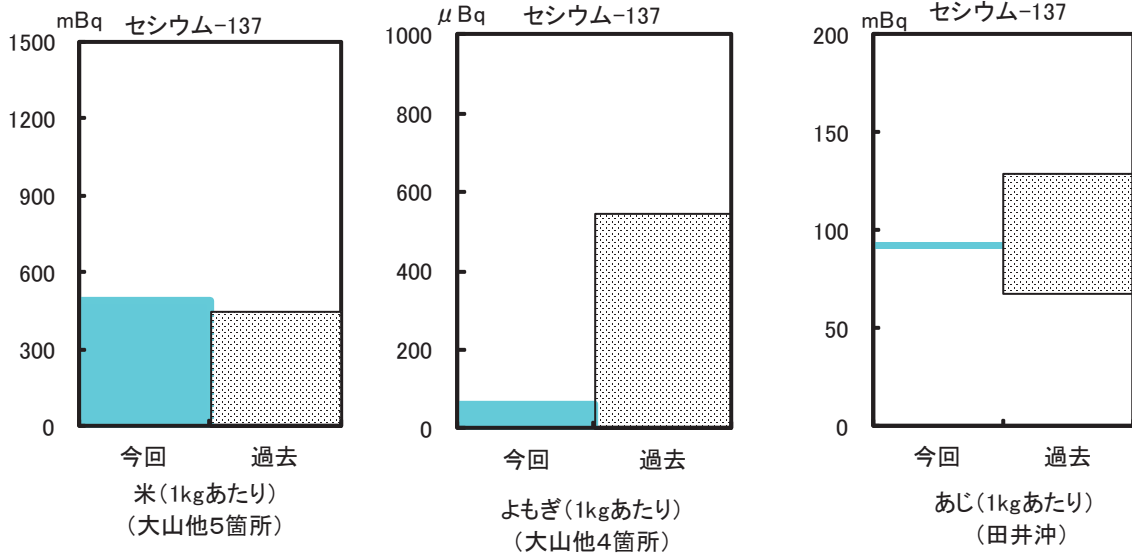
**核種分析**

海水や浮遊じんなどに含まれている放射性核種について測定を行っています。

測定結果は、環境安全上問題ありませんでした。

なお、米、よもぎ及びあじからセシウム-137が検出されましたが、過去10年間に検出された程度でした。

検出されたものの一部についてグラフに示しました。



※グラフ中の「過去」とは過去10年間の濃度範囲

(参考) 原子力発電所の稼働状況について (平成29年10月~12月)

| 原子力発電所 |     | 時間稼働率 (%) | 特記事項                |
|--------|-----|-----------|---------------------|
| 高 浜    | 1号機 | 0.0       | 平成23年 1月10日から定期検査   |
|        | 2号機 | 0.0       | 平成23年 11月25日から定期検査  |
|        | 3号機 | 100.0     | 平成29年 7月 4日から本格運転再開 |
|        | 4号機 | 100.0     | 平成29年 6月16日から本格運転再開 |
| 大 飯    | 1号機 | 0.0       | 平成22年 12月10日から定期検査  |
|        | 2号機 | 0.0       | 平成23年 12月16日から定期検査  |
|        | 3号機 | 0.0       | 平成25年 9月 2日から定期検査   |
|        | 4号機 | 0.0       | 平成25年 9月15日から定期検査   |



## 放射線測定所

空間放射線量率や気象要素を24時間連続で測定しています。

## モニタリングポイント

空間放射線積算線量を測定するためのTLD素子を設置しています。



## 表示システム

舞鶴市、綾部市内の府広域振興局、府保健所、市役所等で各測定所の測定データをリアルタイムでご覧になれます。

## インターネットホームページ

測定データをリアルタイムで公開しています。

URL <http://www.aris.pref.kyoto.jp/>

京都府 放射線監視テレメータシステム

放射線監視システム

舞鶴市では、市内の環境放射線監視システムを、舞鶴市役所から公開しています。

現在舞鶴市の放射線量は、2013年04月04日（月） 11:30

放射線量は0.20μSv/h以下の範囲に測定はありません。

|           |             |           |             |           |             |
|-----------|-------------|-----------|-------------|-----------|-------------|
| 1. 舞鶴市役所  | 0.020 μSv/h | 13. 舞鶴市役所 | 0.015 μSv/h | 25. 舞鶴市役所 | 0.020 μSv/h |
| 2. 舞鶴市役所  | 0.021 μSv/h | 14. 舞鶴市役所 | 0.018 μSv/h | 26. 舞鶴市役所 | 0.021 μSv/h |
| 3. 舞鶴市役所  | 0.022 μSv/h | 15. 舞鶴市役所 | 0.019 μSv/h | 27. 舞鶴市役所 | 0.022 μSv/h |
| 4. 舞鶴市役所  | 0.023 μSv/h | 16. 舞鶴市役所 | 0.020 μSv/h | 28. 舞鶴市役所 | 0.023 μSv/h |
| 5. 舞鶴市役所  | 0.024 μSv/h | 17. 舞鶴市役所 | 0.021 μSv/h | 29. 舞鶴市役所 | 0.024 μSv/h |
| 6. 舞鶴市役所  | 0.025 μSv/h | 18. 舞鶴市役所 | 0.022 μSv/h | 30. 舞鶴市役所 | 0.025 μSv/h |
| 7. 舞鶴市役所  | 0.026 μSv/h | 19. 舞鶴市役所 | 0.023 μSv/h | 31. 舞鶴市役所 | 0.026 μSv/h |
| 8. 舞鶴市役所  | 0.027 μSv/h | 20. 舞鶴市役所 | 0.024 μSv/h | 32. 舞鶴市役所 | 0.027 μSv/h |
| 9. 舞鶴市役所  | 0.028 μSv/h | 21. 舞鶴市役所 | 0.025 μSv/h |           |             |
| 10. 舞鶴市役所 | 0.029 μSv/h | 22. 舞鶴市役所 | 0.026 μSv/h |           |             |
| 11. 舞鶴市役所 | 0.030 μSv/h | 23. 舞鶴市役所 | 0.027 μSv/h |           |             |
| 12. 舞鶴市役所 | 0.031 μSv/h | 24. 舞鶴市役所 | 0.028 μSv/h |           |             |

※ 1. 舞鶴市役所、2. 舞鶴市役所、3. 舞鶴市役所、4. 舞鶴市役所、5. 舞鶴市役所、6. 舞鶴市役所、7. 舞鶴市役所、8. 舞鶴市役所、9. 舞鶴市役所、10. 舞鶴市役所、11. 舞鶴市役所、12. 舞鶴市役所、13. 舞鶴市役所、14. 舞鶴市役所、15. 舞鶴市役所、16. 舞鶴市役所、17. 舞鶴市役所、18. 舞鶴市役所、19. 舞鶴市役所、20. 舞鶴市役所、21. 舞鶴市役所、22. 舞鶴市役所、23. 舞鶴市役所、24. 舞鶴市役所、25. 舞鶴市役所、26. 舞鶴市役所、27. 舞鶴市役所、28. 舞鶴市役所、29. 舞鶴市役所、30. 舞鶴市役所、31. 舞鶴市役所、32. 舞鶴市役所

放射線量は、1μSv/h以下の範囲に測定はありません。放射線量は、1μSv/h以下の範囲に測定されています。放射線量は、1μSv/h以下の範囲に測定されています。

TOPへ戻る | 放射線監視システム | 舞鶴市役所 | 舞鶴市 | 舞鶴市役所



# 調 査 結 果



# 1 放射線測定所における測定結果

## ア 空間放射線空気吸収線量率

### 大山測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去10年間の変動幅   |
|---------------------------|---------|---------|---------|--------------|
| 最大                        | 83      | 101     | 64      | 44 ~ 139     |
| 最小                        | 30      | 30      | 28      | 18 ~ 32      |
| 平均 (M)                    | 34      | 34      | 34      | 25 ~ 36      |
| 標準偏差 ( $\sigma$ )         | 7       | 7       | 6       | 1 ~ 9        |
| M + 3 $\sigma$ を超過した時間数   | 16 時間   | 19 時間   | 22 時間   | 9 ~ 28 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 177 nGy | 251 nGy | 114 nGy | 31 ~ 381 nGy |

### 吉坂測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去10年間の変動幅   |
|---------------------------|---------|---------|---------|--------------|
| 最大                        | 79      | 93      | 70      | 47 ~ 235     |
| 最小                        | 34      | 34      | 31      | 18 ~ 37      |
| 平均 (M)                    | 39      | 38      | 38      | 26 ~ 43      |
| 標準偏差 ( $\sigma$ )         | 7       | 6       | 6       | 1 ~ 18       |
| M + 3 $\sigma$ を超過した時間数   | 26 時間   | 11 時間   | 23 時間   | 9 ~ 30 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 149 nGy | 214 nGy | 133 nGy | 16 ~ 743 nGy |

### 倉梯測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11      | 12      | 過去10年間の変動幅  |
|---------------------------|--------|---------|---------|-------------|
| 最大                        | 76     | 90      | 97      | 56 ~ 111    |
| 最小                        | 45     | 45      | 46      | 29 ~ 50     |
| 平均 (M)                    | 50     | 50      | 51      | 41 ~ 54     |
| 標準偏差 ( $\sigma$ )         | 4      | 5       | 6       | 1 ~ 10      |
| M + 3 $\sigma$ を超過した時間数   | 14 時間  | 14 時間   | 21 時間   | 5 ~ 28 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 76 nGy | 150 nGy | 128 nGy | 9 ~ 269 nGy |

(注) 1. 測定値は宇宙線の寄与を含まない。

2. 標準偏差( $\sigma$ )は測定値のばらつきの程度を表し、測定値が(平均値) + (標準偏差の3倍)の範囲にあれば、ほぼ平常の変動幅の範囲内であるとされる。この幅を超えた場合は、気象条件等の原因を検討する。

塩 波 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去10年間の変動幅   |
|---------------------------|---------|---------|---------|--------------|
| 最 大                       | 81      | 94      | 73      | 49 ～ 188     |
| 最 小                       | 33      | 33      | 29      | 17 ～ 36      |
| 平 均 (M)                   | 37      | 37      | 37      | 25 ～ 41      |
| 標 準 偏 差 ( $\sigma$ )      | 6       | 7       | 6       | 1 ～ 13       |
| M + 3 $\sigma$ を超過した時間数   | 21 時間   | 16 時間   | 22 時間   | 6 ～ 31 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 164 nGy | 223 nGy | 131 nGy | 32 ～ 418 nGy |

岡 安 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去10年間の変動幅   |
|---------------------------|---------|---------|---------|--------------|
| 最 大                       | 72      | 90      | 65      | 48 ～ 177     |
| 最 小                       | 35      | 35      | 35      | 19 ～ 37      |
| 平 均 (M)                   | 39      | 39      | 39      | 29 ～ 42      |
| 標 準 偏 差 ( $\sigma$ )      | 5       | 6       | 5       | 2 ～ 14       |
| M + 3 $\sigma$ を超過した時間数   | 19 時間   | 15 時間   | 25 時間   | 9 ～ 29 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 109 nGy | 204 nGy | 112 nGy | 16 ～ 545 nGy |

老 富 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去10年間の変動幅   |
|---------------------------|---------|---------|---------|--------------|
| 最 大                       | 86      | 88      | 74      | 55 ～ 211     |
| 最 小                       | 40      | 40      | 33      | 18 ～ 44      |
| 平 均 (M)                   | 44      | 44      | 43      | 29 ～ 49      |
| 標 準 偏 差 ( $\sigma$ )      | 6       | 6       | 5       | 2 ～ 17       |
| M + 3 $\sigma$ を超過した時間数   | 20 時間   | 15 時間   | 20 時間   | 6 ～ 30 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 114 nGy | 174 nGy | 108 nGy | 14 ～ 635 nGy |

(注) 1. 測定値は宇宙線の寄与を含まない。

2. 標準偏差( $\sigma$ )は測定値のばらつきの程度を表し、測定値が(平均値) + (標準偏差の3倍)の範囲にあれば、ほぼ平常の変動幅の範囲内であるとされる。この幅を超えた場合は、気象条件等の原因を検討する。

日出測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10      | 11      | 12      | 過去4年間の変動幅    |
|---------------------------|---------|---------|---------|--------------|
| 最大                        | 77      | 89      | 74      | 45 ~ 101     |
| 最小                        | 34      | 34      | 27      | 21 ~ 36      |
| 平均 (M)                    | 39      | 39      | 38      | 36 ~ 42      |
| 標準偏差 ( $\sigma$ )         | 5       | 7       | 7       | 1 ~ 9        |
| M + 3 $\sigma$ を超過した時間数   | 18 時間   | 14 時間   | 19 時間   | 8 ~ 27 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 126 nGy | 166 nGy | 110 nGy | 26 ~ 342 nGy |

上司測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11     | 12      | 過去4年間の変動幅   |
|---------------------------|--------|--------|---------|-------------|
| 最大                        | 73     | 72     | 93      | 60 ~ 104    |
| 最小                        | 45     | 46     | 40      | 25 ~ 49     |
| 平均 (M)                    | 50     | 49     | 50      | 46 ~ 53     |
| 標準偏差 ( $\sigma$ )         | 4      | 4      | 7       | 2 ~ 10      |
| M + 3 $\sigma$ を超過した時間数   | 12 時間  | 18 時間  | 22 時間   | 1 ~ 24 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 61 nGy | 67 nGy | 154 nGy | 1 ~ 228 nGy |

地頭測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11     | 12      | 過去4年間の変動幅    |
|---------------------------|--------|--------|---------|--------------|
| 最大                        | 56     | 57     | 78      | 50 ~ 87      |
| 最小                        | 22     | 36     | 36      | 22 ~ 41      |
| 平均 (M)                    | 40     | 40     | 40      | 36 ~ 45      |
| 標準偏差 ( $\sigma$ )         | 4      | 3      | 5       | 2 ~ 9        |
| M + 3 $\sigma$ を超過した時間数   | 10 時間  | 20 時間  | 24 時間   | 6 ~ 25 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 14 nGy | 61 nGy | 172 nGy | 13 ~ 122 nGy |

(注) 1. 測定値は宇宙線の寄与を含まない。

2. 標準偏差( $\sigma$ )は測定値のばらつきの程度を表し、測定値が(平均値)+(標準偏差の3倍)の範囲にあれば、ほぼ平常の変動幅の範囲内であるとされる。この幅を超えた場合は、気象条件等の原因を検討する。

## 上杉測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11      | 12      | 過去4年間の変動幅    |
|---------------------------|--------|---------|---------|--------------|
| 最大                        | 46     | 68      | 87      | 37 ~ 95      |
| 最小                        | 26     | 26      | 26      | 18 ~ 28      |
| 平均 (M)                    | 29     | 29      | 29      | 27 ~ 31      |
| 標準偏差 ( $\sigma$ )         | 3      | 4       | 5       | 1 ~ 7        |
| M + 3 $\sigma$ を超過した時間数   | 16 時間  | 15 時間   | 14 時間   | 8 ~ 24 時間    |
| M + 3 $\sigma$ を超過した線量の合計 | 48 nGy | 122 nGy | 159 nGy | 17 ~ 186 nGy |

## 八津合測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11      | 12      | 過去4年間の変動幅   |
|---------------------------|--------|---------|---------|-------------|
| 最大                        | 57     | 81      | 88      | 50 ~ 100    |
| 最小                        | 35     | 35      | 34      | 21 ~ 37     |
| 平均 (M)                    | 39     | 39      | 39      | 35 ~ 41     |
| 標準偏差 ( $\sigma$ )         | 4      | 5       | 5       | 2 ~ 8       |
| M + 3 $\sigma$ を超過した時間数   | 15 時間  | 15 時間   | 17 時間   | 3 ~ 25 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 52 nGy | 148 nGy | 166 nGy | 2 ~ 216 nGy |

## 盛郷測定所

単位：ナノグレイ/時(nGy/h)

| 月                         | 10     | 11      | 12      | 過去4年間の変動幅   |
|---------------------------|--------|---------|---------|-------------|
| 最大                        | 76     | 109     | 105     | 62 ~ 142    |
| 最小                        | 43     | 45      | 41      | 25 ~ 48     |
| 平均 (M)                    | 50     | 51      | 50      | 34 ~ 53     |
| 標準偏差 ( $\sigma$ )         | 4      | 6       | 6       | 2 ~ 11      |
| M + 3 $\sigma$ を超過した時間数   | 19 時間  | 11 時間   | 11 時間   | 0 ~ 20 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 80 nGy | 185 nGy | 161 nGy | 0 ~ 360 nGy |

(注) 1. 測定値は宇宙線の寄与を含まない。

2. 標準偏差( $\sigma$ )は測定値のばらつきの程度を表し、測定値が(平均値)+(標準偏差の3倍)の範囲にあれば、ほぼ平常の変動幅の範囲内であるとされる。この幅を超えた場合は、気象条件等の原因を検討する。

## 島 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10     | 11     | 12      | 過去4年間の変動幅   |
|---------------------------|--------|--------|---------|-------------|
| 最 大                       | 51     | 58     | 74      | 47 ~ 84     |
| 最 小                       | 32     | 33     | 33      | 23 ~ 34     |
| 平 均 (M)                   | 36     | 37     | 37      | 34 ~ 38     |
| 標 準 偏 差 ( $\sigma$ )      | 3      | 3      | 4       | 2 ~ 6       |
| M + 3 $\sigma$ を超過した時間数   | 14 時間  | 15 時間  | 8 時間    | 3 ~ 20 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 35 nGy | 70 nGy | 106 nGy | 2 ~ 166 nGy |

## 本 庄 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10     | 11     | 12      | 過去4年間の変動幅   |
|---------------------------|--------|--------|---------|-------------|
| 最 大                       | 51     | 57     | 78      | 44 ~ 76     |
| 最 小                       | 32     | 33     | 33      | 22 ~ 34     |
| 平 均 (M)                   | 36     | 36     | 37      | 34 ~ 38     |
| 標 準 偏 差 ( $\sigma$ )      | 3      | 3      | 4       | 2 ~ 6       |
| M + 3 $\sigma$ を超過した時間数   | 19 時間  | 18 時間  | 12 時間   | 4 ~ 20 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 37 nGy | 68 nGy | 102 nGy | 2 ~ 131 nGy |

## 伏 見 I 測 定 所

単位：ナノグレイ／時(nGy/h)

| 月                         | 10     | 11     | 12     | 過去10年間の変動幅  |
|---------------------------|--------|--------|--------|-------------|
| 最 大                       | 61     | 59     | 52     | 46 ~ 86     |
| 最 小                       | 37     | 37     | 37     | 35 ~ 40     |
| 平 均 (M)                   | 40     | 40     | 39     | 38 ~ 42     |
| 標 準 偏 差 ( $\sigma$ )      | 4      | 2      | 2      | 1 ~ 5       |
| M + 3 $\sigma$ を超過した時間数   | 14 時間  | 21 時間  | 11 時間  | 2 ~ 30 時間   |
| M + 3 $\sigma$ を超過した線量の合計 | 54 nGy | 80 nGy | 38 nGy | 5 ~ 156 nGy |

(注) 1. 測定値は宇宙線の寄与を含まない。

2. 標準偏差( $\sigma$ )は測定値のばらつきの程度を表し、測定値が(平均値)+(標準偏差の3倍)の範囲にあれば、ほぼ平常の変動幅の範囲内であるとされる。この幅を超えた場合は、気象条件等の原因を検討する。

イ 浮遊じん中の全アルファ放射能

単位:ミリベクレル(mBq)/m<sup>3</sup>

| 調査地点  |    | 10月 | 11月 | 12月 | 過去10年間の変動幅 |
|-------|----|-----|-----|-----|------------|
| 吉坂測定所 | 最大 | 84  | 80  | 69  | 18 ~ 204   |
|       | 平均 | 21  | 28  | 22  | 5 ~ 58     |
| 老富測定所 | 最大 | 106 | 108 | 97  | 14 ~ 245   |
|       | 平均 | 23  | 31  | 23  | 4 ~ 70     |
| 塩汲測定所 | 最大 | 45  | 33  | 35  | 13 ~ 92    |
|       | 平均 | 10  | 14  | 12  | 3 ~ 28     |

(注) 6時間集じん、6時間放置後測定

ウ 浮遊じん中の全ベータ放射能

単位:ミリベクレル(mBq)/m<sup>3</sup>

| 調査地点  |    | 10月 | 11月 | 12月 | 過去10年間の変動幅 |
|-------|----|-----|-----|-----|------------|
| 吉坂測定所 | 最大 | 119 | 111 | 99  | 32 ~ 315   |
|       | 平均 | 30  | 39  | 31  | 11 ~ 89    |
| 老富測定所 | 最大 | 158 | 170 | 143 | 23 ~ 374   |
|       | 平均 | 34  | 46  | 33  | 8 ~ 107    |
| 塩汲測定所 | 最大 | 70  | 54  | 54  | 24 ~ 140   |
|       | 平均 | 16  | 21  | 18  | 6 ~ 42     |

(注) 6時間集じん、6時間放置後測定

エ 空気中のラドン子孫核種濃度

単位:ベクレル(Bq)/m<sup>3</sup>

| 調査地点    |    | 10月  | 11月  | 12月  | 過去10年間の変動幅 |
|---------|----|------|------|------|------------|
| 倉梯測定所   | 最大 | 14.9 | 15.7 | 16.3 | 8.1 ~ 18.8 |
|         | 最小 | 0.3  | 0.6  | 0.4  | 0.0 ~ 0.9  |
|         | 平均 | 3.7  | 5.6  | 4.8  | 2.3 ~ 6.0  |
| 保健環境研究所 | 最大 | 11.4 | 14.8 | 18.6 | 8.7 ~ 16.8 |
|         | 最小 | 0.4  | 1.2  | 0.9  | 0.0 ~ 1.3  |
|         | 平均 | 3.7  | 6.0  | 5.3  | 2.2 ~ 5.6  |



## 2 環境放射能測定車及び環境放射線調査車測定結果

ア 環境放射能測定車による空間放射線空気吸収線量率

| 項目<br>地点 | 月 日   | 時 間         | 天候 | 気温<br>(°C) | 線量率(nGy/h) |    |    | 風向・風速<br>(m/s) (時刻) |     |         | 線量率過去10年間の<br>変動幅<br>(nGy/h) |
|----------|-------|-------------|----|------------|------------|----|----|---------------------|-----|---------|------------------------------|
|          |       |             |    |            | 最大         | 最小 | 平均 |                     |     |         |                              |
| 河 辺 原    | 12月5日 | 10:20~11:20 | 晴  | 6.8        | 33         | 30 | 32 | 西                   | 5.3 | (11:00) | 20~58                        |
| 三 浜      | 12月4日 | 15:50~16:50 | 小雨 | 11         | 32         | 30 | 31 | 西南西                 | 1.5 | (16:00) | 23~56                        |
| 多 門 院    | 12月4日 | 13:20~14:20 | 曇  | 9          | 28         | 27 | 28 | 静寂                  | 0.4 | (14:00) | 14~62                        |

(注) 測定値は宇宙線の寄与を含まない。

イ 環境放射線調査車による空間放射線空気吸収線量率

ルート1 (東舞鶴地域) 測定月日: 平成29年12月4日(月)  
 ルート2 (東舞鶴地域) 平成29年12月7日(木)  
 ルート3 (綾部老富地区) 平成29年12月12日(火)  
 ルート4 (綾部・西舞鶴地域) 平成29年12月21日(木)

| 項目               | 地点     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
|------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 時刻               | 大波下    | 13:57 | 14:05 | 14:13 | 14:21 | 14:28 | 14:42 | 14:52 | 15:02 | 15:14 | 15:27 | 15:37 | 15:51 |
| 天気               | 曇      | 曇     | 曇     | 曇     | 曇     | 曇     | 曇     | 曇     | 小雨    | 曇     | 曇     | 曇     | 曇     |
| 線量率(nGy/h)       | 25     | 30    | 31    | 36    | 27    | 24    | 23    | 23    | 29    | 37    | 27    | 24    | 27    |
| 過去4年間の変動幅(nGy/h) | 21~35  | 26~43 | 25~49 | 32~55 | 24~53 | 20~48 | 18~55 | 24~72 | 32~82 | 21~60 | 17~65 | 21~65 | 21~65 |
| 項目               | 地点     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    |
| 時刻               | 中丹東保健所 | 13:16 | 13:35 | 13:50 | 13:58 | 14:06 | 14:13 | 14:28 | 14:40 | 14:57 | 15:26 | 15:42 |       |
| 天気               | 晴れ     | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    |
| 線量率(nGy/h)       | 23     | 26    | 22    | 21    | 25    | 25    | 25    | 21    | 30    | 19    | 25    | 29    |       |
| 過去4年間の変動幅(nGy/h) | 22~41  | 24~41 | 20~35 | 20~33 | 23~39 | 24~42 | 19~38 | 29~55 | 18~40 | 22~45 | 27~40 |       |       |
| 項目               | 地点     | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     |       |       |       |       |
| 時刻               | 上根公民館  | 13:38 | 14:02 | 14:15 | 14:29 | 14:52 | 14:57 | 15:07 | 15:15 |       |       |       |       |
| 天気               | 晴れ     | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 曇     |       |       |       |       |
| 線量率(nGy/h)       | 31     | 32    | 31    | 38    | 30    | 21    | 22    | 22    | 24    |       |       |       |       |
| 過去4年間の変動幅(nGy/h) | 26~35  | 29~43 | 29~44 | 37~48 | 29~45 | 19~36 | 18~33 | 22~36 |       |       |       |       |       |
| 項目               | 地点     | 1     | 2     | 3     | 4     | 5     | 6     |       |       |       |       |       |       |
| 時刻               | 由良川小学校 | 14:36 | 14:54 | 15:14 | 15:23 | 16:01 | 16:25 |       |       |       |       |       |       |
| 天気               | 晴れ     | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    |       |       |       |       |       |       |
| 線量率(nGy/h)       | 26     | 37    | 36    | 22    | 31    | 22    | 22    |       |       |       |       |       |       |
| 過去4年間の変動幅(nGy/h) | 24~33  | 36~48 | 35~44 | 21~29 | 28~41 | 21~41 |       |       |       |       |       |       |       |

(注)1 測定値は3回行った1分間測定値の平均値である。

2 測定値は宇宙線の寄与を含まない。

3 平成25年度から調査車を更新したため、過去の変動幅も同一車両での測定結果(過去4年間)としている。

ルート5(福知山市区)

測定月日：平成29年12月5日(火)

| 項目                   | 地点    |       |       |
|----------------------|-------|-------|-------|
|                      | 1     | 2     | 3     |
| 時                    | 10:51 | 11:12 | 11:28 |
| 天                    | 晴れ    | 晴れ    | 晴れ    |
| 線量率(nGy/h)           | 37    | 31    | 31    |
| 過去4年間の<br>変動幅(nGy/h) | 33~41 | 27~40 | 32~45 |

ルート5

(注)前頁に同じ。

ルート6(伊根・橋北地区)

測定日: 平成29年12月14日(木)

ルート7(宮津・栗田・由良地区)

平成29年12月13日(水)

| 項目               |  | 1      |       | 2        |       | 3     |       | 4      |        | 5     |       | 6     |       | 7     |       | 8    |       | 9     |       |
|------------------|--|--------|-------|----------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
|                  |  | 地点     | 時刻    | 地点       | 時刻    | 地点    | 時刻    | 地点     | 時刻     | 地点    | 時刻    | 地点    | 時刻    | 地点    | 時刻    | 地点   | 時刻    | 地点    | 時刻    |
| ルート6             |  | 与謝野町役場 | 13:22 | 与謝の海支援学校 | 13:32 | 府中小学校 | 13:41 | 日置小学校  | 13:53  | 養老中学校 | 14:09 | 伊根町役場 | 14:22 | 伊根中学校 | 14:32 | 泊公民館 | 14:51 | 本庄中学校 | 15:07 |
|                  |  | みぞれ    | 38    | 小雨       | 37    | 雨     | 42    | 小雨     | 37     | 曇     | 26    | 雨     | 31    | 小雨    | 33    | 雪    | 曇     | 27    |       |
| 線量率(nGy/h)       |  |        | 33~43 |          | 29~37 |       | 35~41 |        | 34~40  |       | 27~32 |       | 30~36 |       | 31~35 |      | 33~42 |       | 29~44 |
| 過去4年間の変動幅(nGy/h) |  |        |       |          |       |       |       |        |        |       |       |       |       |       |       |      |       |       |       |
| ルート7             |  | 地点     | 1     | 2        | 3     | 4     | 5     | 6      | 7      |       |       |       |       |       |       |      |       |       |       |
|                  |  | 項目     | 智恩寺   | 宮津市役所    | 栗田中学校 | 島陰公民館 | 丹後由良駅 | 宮津総合庁舎 | 上宮津小学校 |       |       |       |       |       |       |      |       |       |       |
| 時刻               |  | 10:11  | 10:24 | 10:47    | 11:01 | 11:27 | 11:54 | 12:14  |        |       |       |       |       |       |       |      |       |       |       |
| 天候               |  | 雪      | 小雨    | 曇        | みぞれ   | 曇     | 小雨    | 小雨     |        |       |       |       |       |       |       |      |       |       |       |
| 線量率(nGy/h)       |  | 50     | 51    | 53       | 63    | 50    | 41    | 52     |        |       |       |       |       |       |       |      |       |       |       |
| 過去4年間の変動幅(nGy/h) |  | 30~39  | 35~45 | 37~49    | 46~58 | 36~49 | 28~41 | 37~56  |        |       |       |       |       |       |       |      |       |       |       |

(注)前頁に同じ。

ルート8(京丹波町地域)

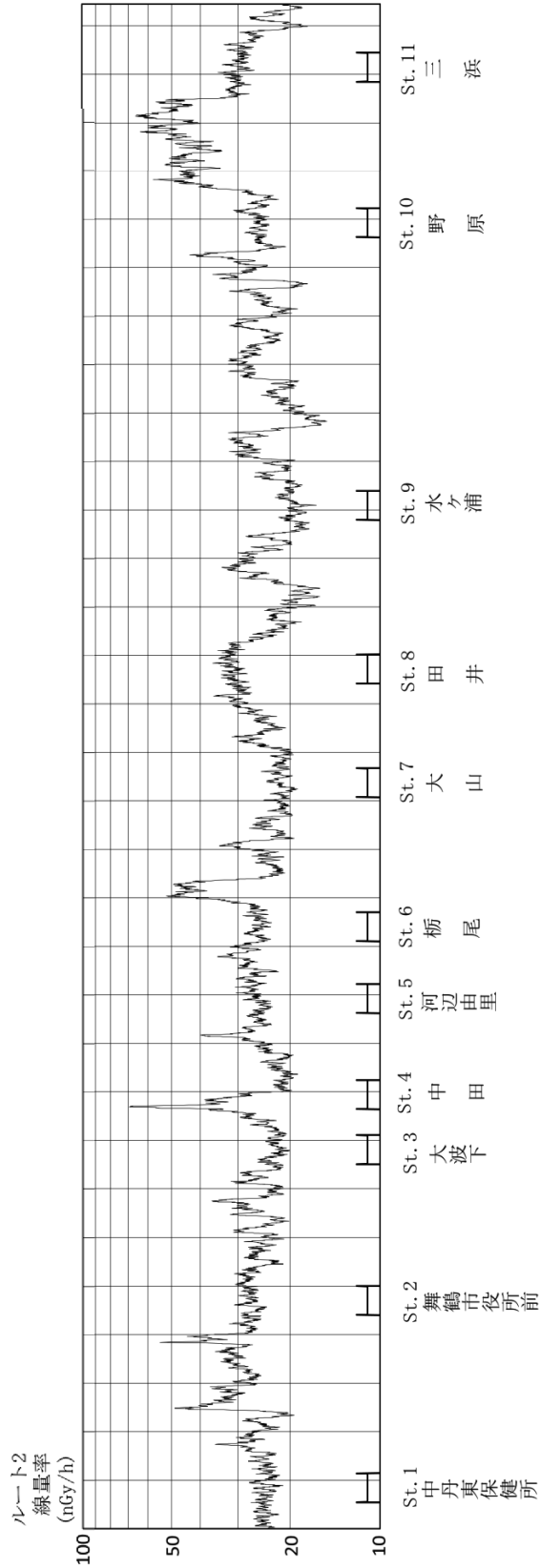
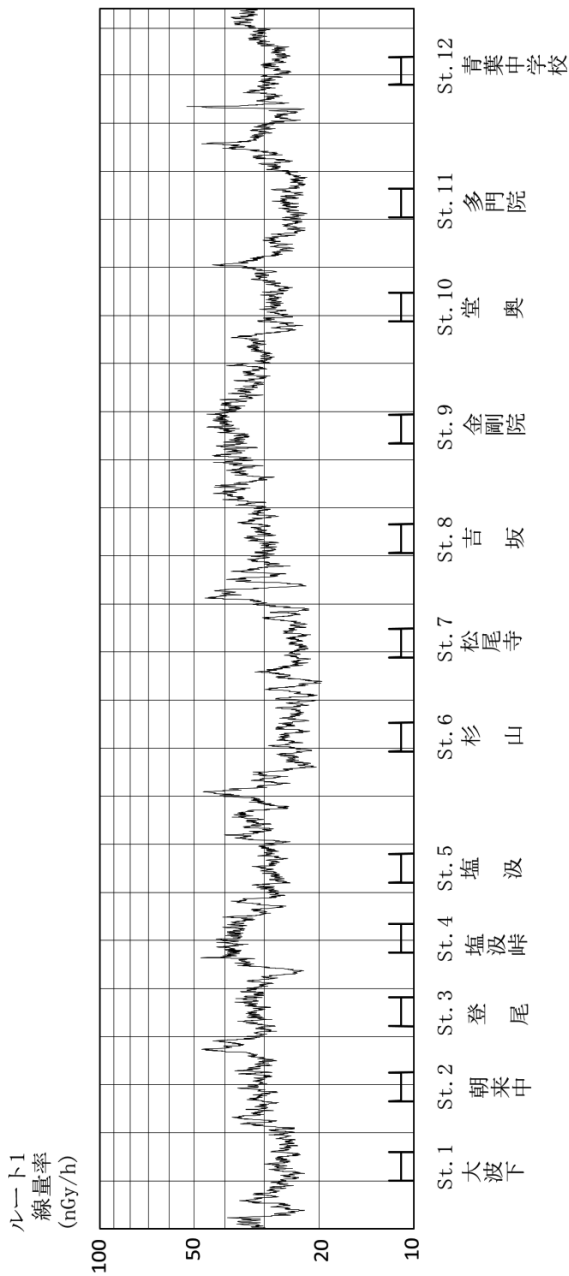
測定月日： 平成29年12月5日(火)

ルート9(南丹市美山町地域)

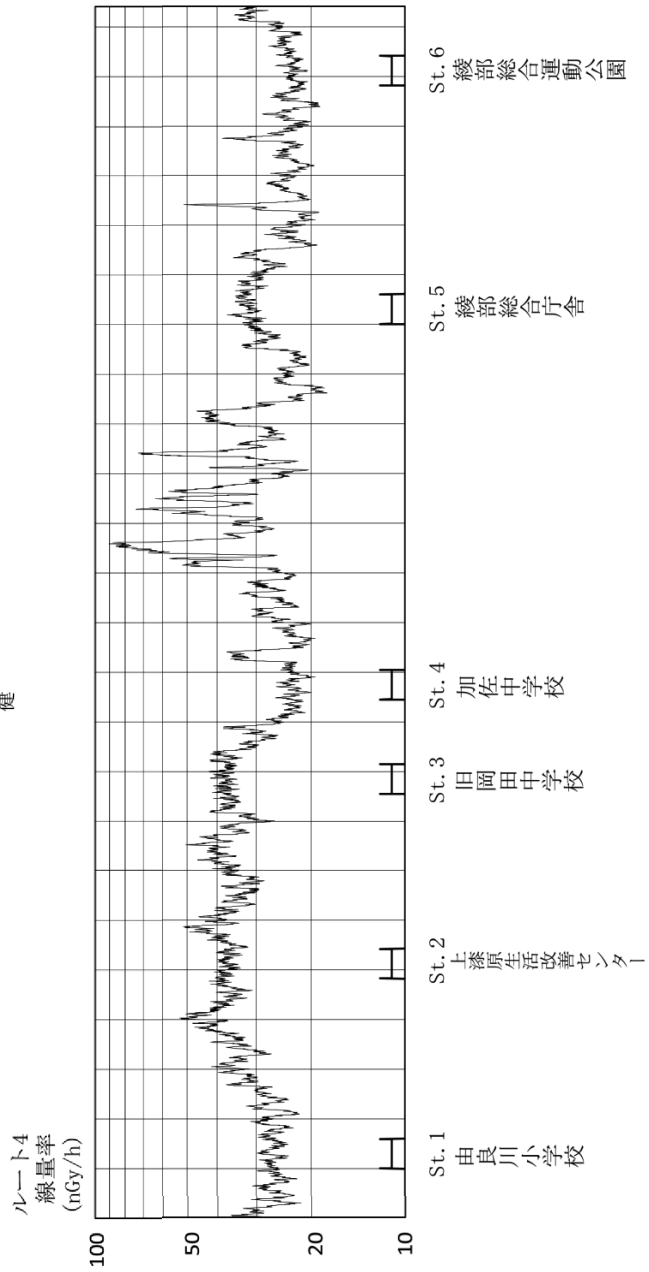
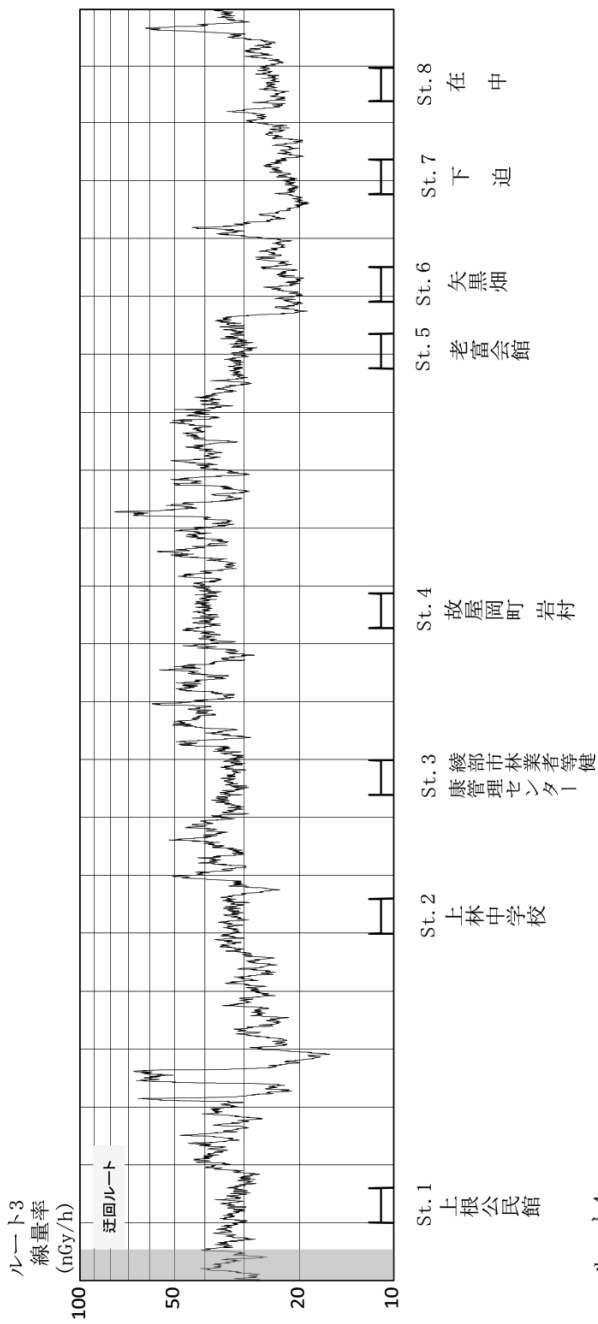
平成29年12月5日(火)

| 地点                   |    | 1     | 2     | 3     | 4     | 5     | 6     | 7     |
|----------------------|----|-------|-------|-------|-------|-------|-------|-------|
| 項目                   | 時刻 | 9:51  | 9:59  | 10:13 | 10:22 | 10:41 | 10:54 | 11:07 |
|                      | 候  | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    |
| 線量率(nGy/h)           |    | 40    | 38    | 27    | 35    | 41    | 34    | 36    |
| 過去4年間の<br>変動幅(nGy/h) |    | 32~48 | 32~47 | 22~42 | 29~50 | 37~61 | 30~49 | 33~53 |
| 地点                   |    | 1     | 2     | 3     | 4     | 5     |       |       |
| 項目                   | 時刻 | 14:01 | 14:16 | 14:28 | 14:46 | 15:03 |       |       |
|                      | 候  | 晴れ    | 晴れ    | 晴れ    | 晴れ    | 晴れ    |       |       |
| 線量率(nGy/h)           |    | 35    | 37    | 42    | 31    | 36    |       |       |
| 過去4年間の<br>変動幅(nGy/h) |    | 29~43 | 29~51 | 35~49 | 29~43 | 32~56 |       |       |

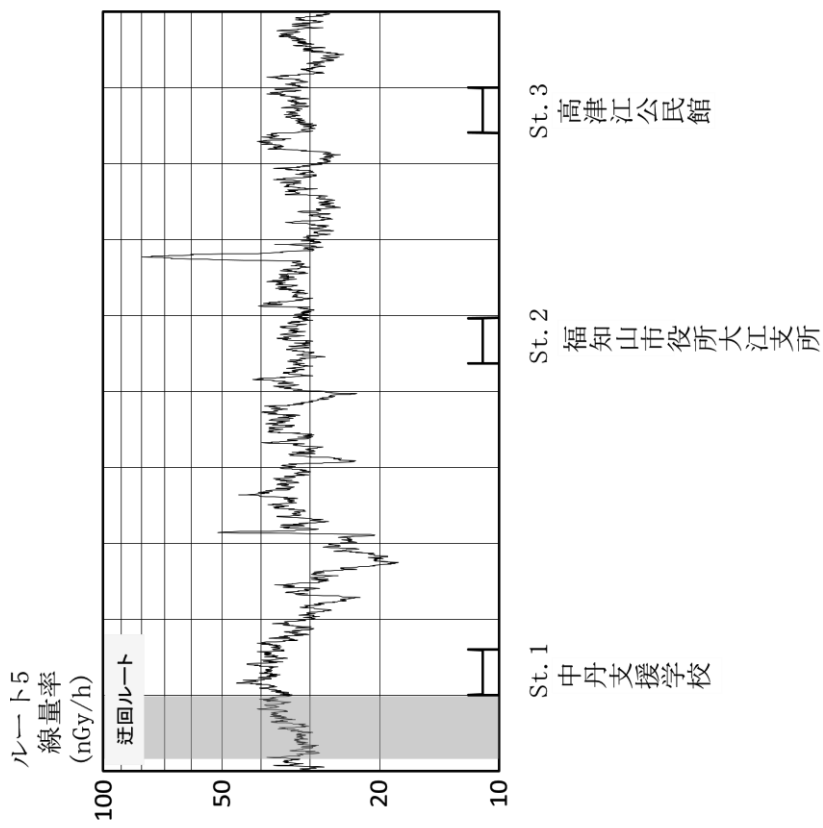
(注)前頁に同じ。



環境放射線調査車 測定チャート (レポート1) 平成29年12月4日  
(レポート2) 平成29年12月7日

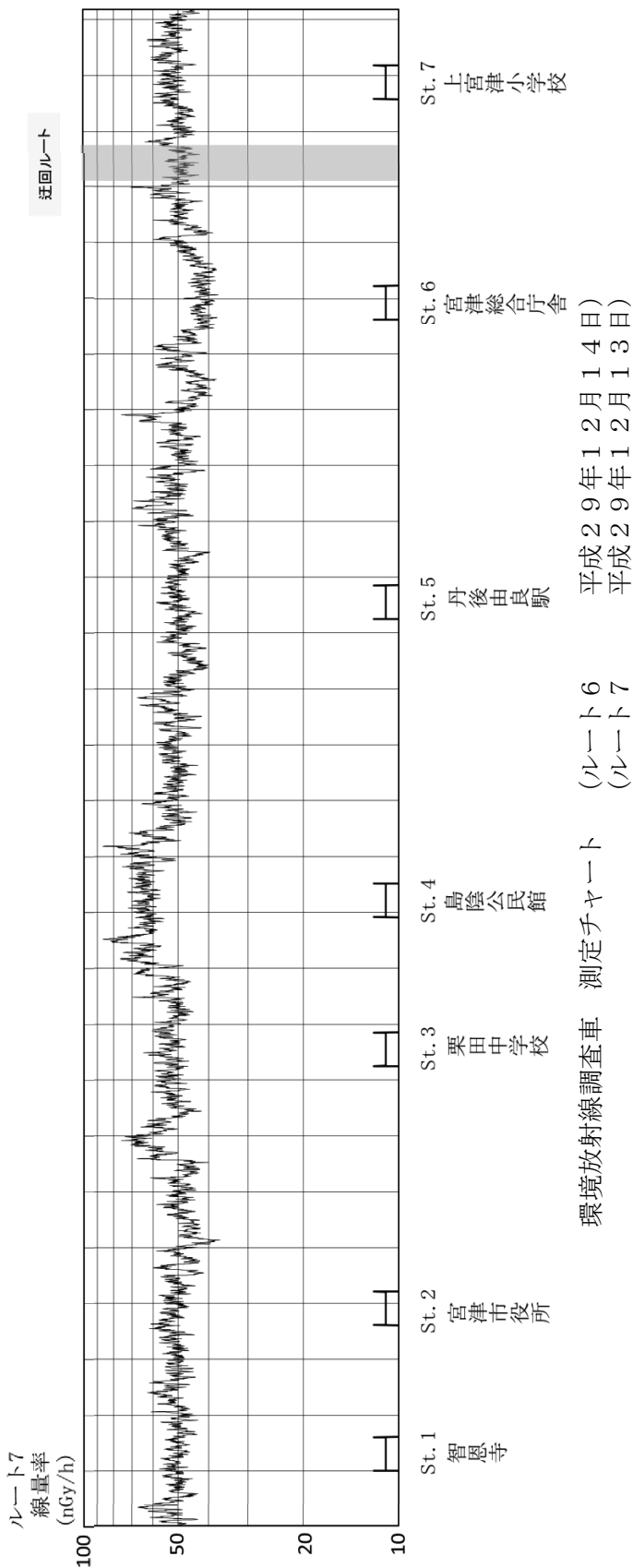
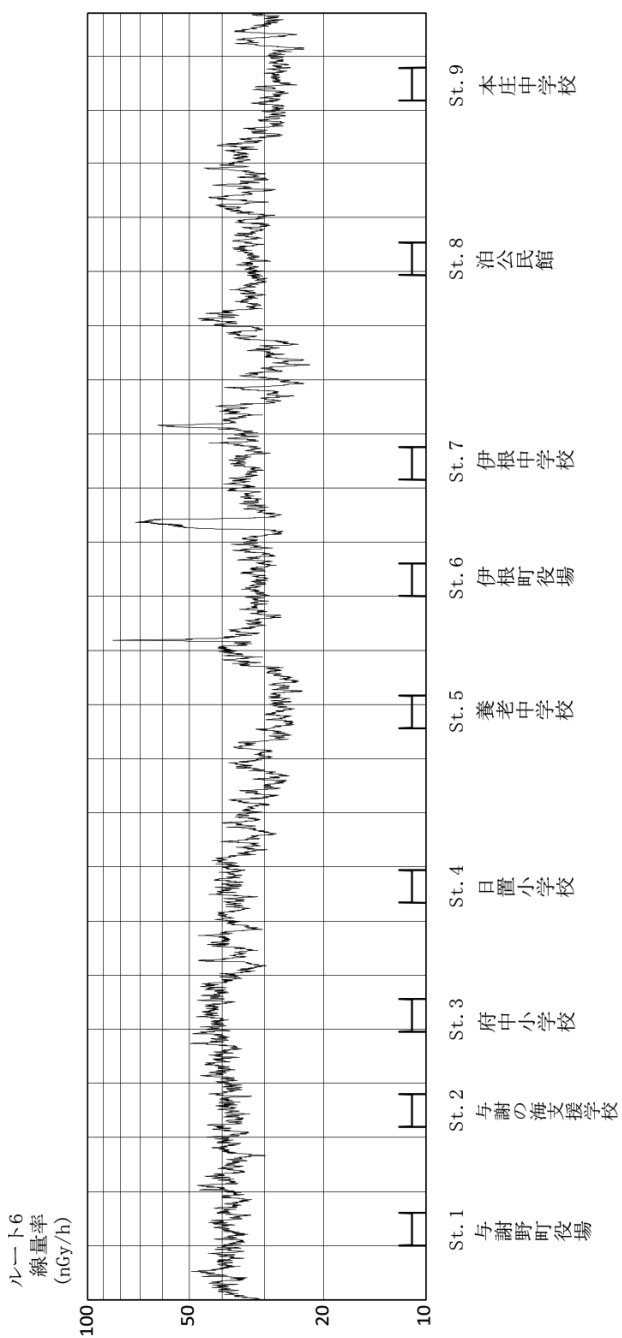


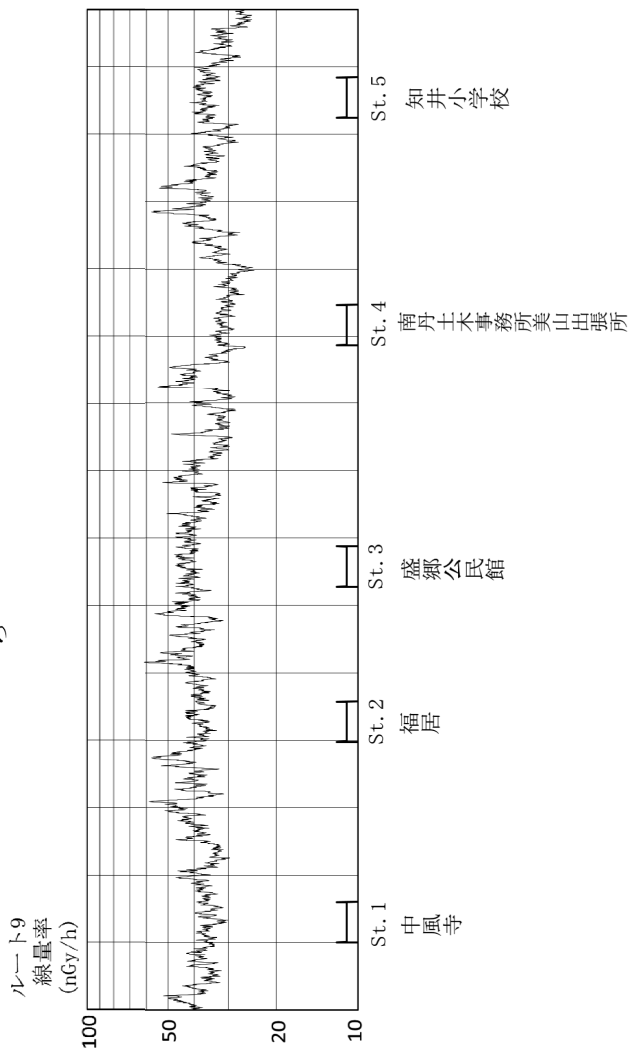
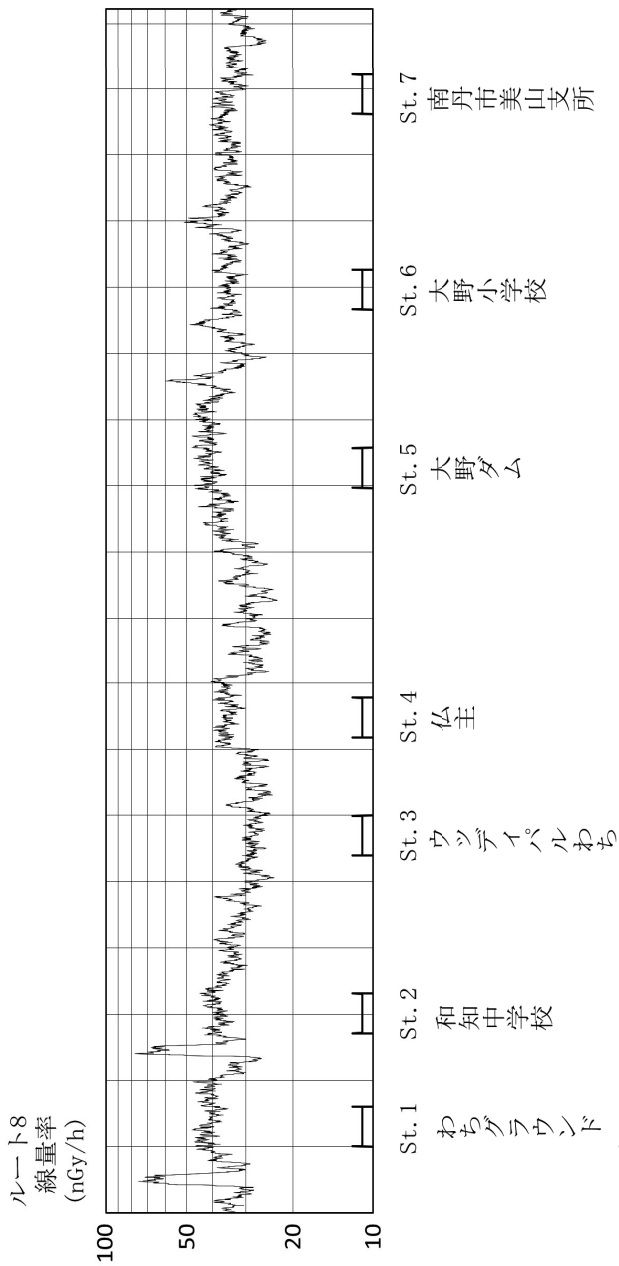
環境放射線調査車 測定チャート (ルート3 平成29年12月12日)  
(ルート4 平成29年12月21日)



環境放射線調査車 測定チャート (ルート5 平成29年12月5日)







環境放射線調査車 測定チャート (ルート8 (ルート9  
平成29年12月5日) (ルート9  
平成29年12月5日)

### 3 空間放射線積算線量測定結果

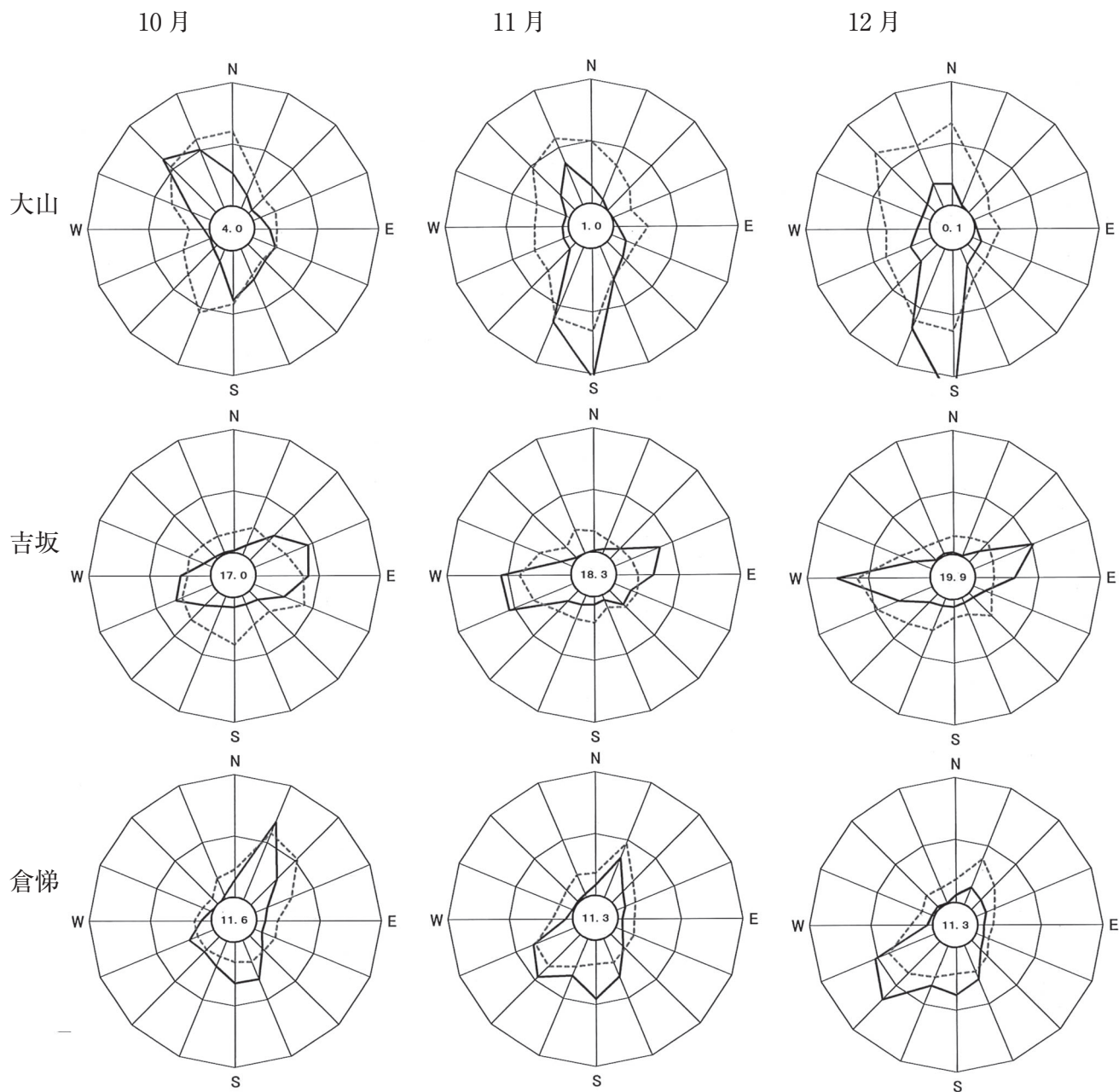
単位：ミリグレイ (mGy)

| 番号 | 測定地点 | 積算線量 (92日換算値) | 積算線量の変動幅*   |
|----|------|---------------|-------------|
|    |      | 10～12月        |             |
| 1  | 大山   | 0.12          | 0.11 ～ 0.13 |
| 2  | 松尾寺  | 0.11          | 0.10 ～ 0.12 |
| 3  | 吉坂   | 0.13          | 0.12 ～ 0.14 |
| 4  | 田井   | 0.14          | 0.12 ～ 0.15 |
| 5  | 河辺   | 0.12          | 0.11 ～ 0.13 |
| 6  | 朝来   | 0.14          | 0.12 ～ 0.16 |
| 7  | 金剛院  | 0.15          | 0.13 ～ 0.16 |
| 8  | 丸山   | 0.14          | 0.13 ～ 0.15 |
| 9  | 大浦   | 0.14          | 0.13 ～ 0.16 |
| 10 | 老富   | 0.13          | 0.10 ～ 0.15 |
| 11 | 倉梯   | 0.14          | 0.13 ～ 0.15 |
| 12 | 夕潮台  | 0.10          | 0.09 ～ 0.12 |
| 13 | 城北   | 0.13          | 0.11 ～ 0.14 |
| 14 | 水ヶ浦  | 0.11          | 0.10 ～ 0.12 |
| 15 | 野原   | 0.15          | 0.14 ～ 0.17 |
| 16 | 塩汲   | 0.14          | 0.13 ～ 0.15 |
| 17 | 栃尾   | 0.12          | 0.11 ～ 0.13 |
| 18 | 室牛   | 0.17          | 0.15 ～ 0.18 |
| 19 | 杉山   | 0.11          | 0.09 ～ 0.12 |
| 20 | 登尾   | 0.13          | 0.12 ～ 0.14 |
| 21 | 白屋   | 0.14          | 0.12 ～ 0.15 |
| 22 | 志楽   | 0.13          | 0.11 ～ 0.14 |
| 23 | 泉源寺  | 0.13          | 0.12 ～ 0.14 |
| 24 | 大波下  | 0.14          | 0.12 ～ 0.15 |
| 25 | 堂奥   | 0.11          | 0.10 ～ 0.14 |
| 26 | 多門院  | 0.10          | 0.09 ～ 0.10 |

(注) \* は、地点毎の過去10年間の変動幅

## 4 気象観測結果

### ア 放射線測定所別風配図



#### 凡例

- 風向出現頻度
- … 風向別平均風速

最大円周上風向出現頻度 30%  
風向別平均風速 5m/s

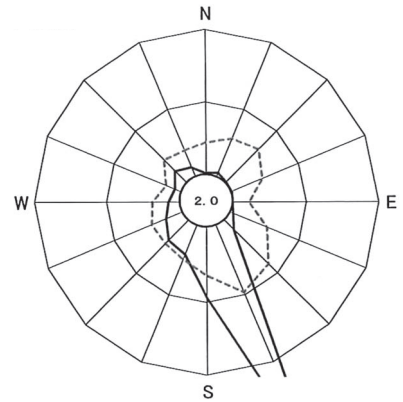
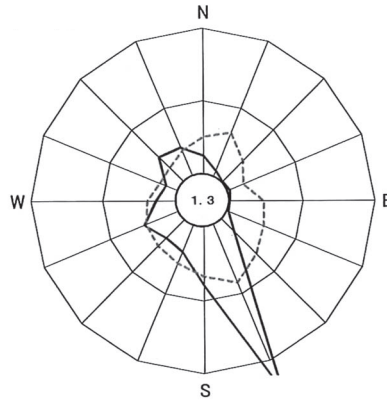
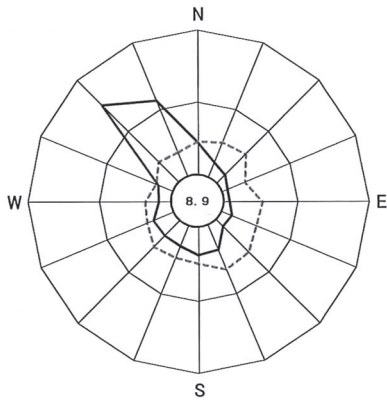
円内中央の数字は静穏時（風速 0.3 m/s 未満）の頻度を示す。

10月

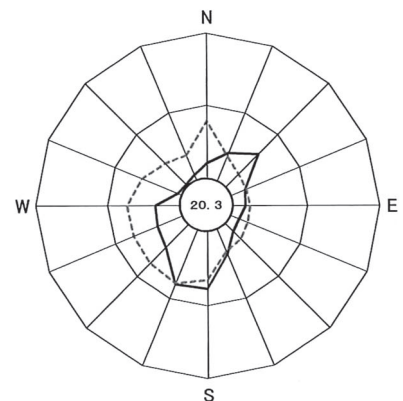
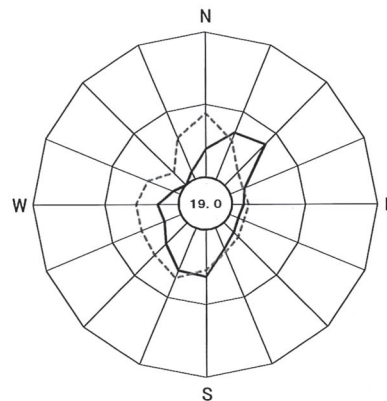
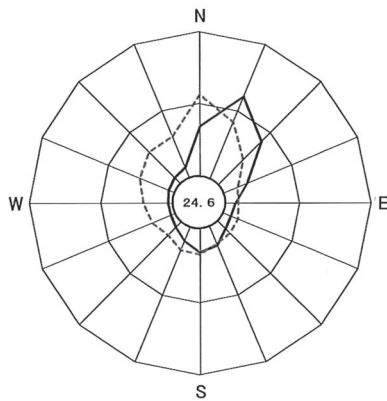
11月

12月

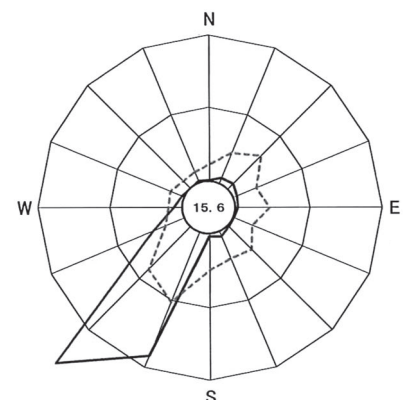
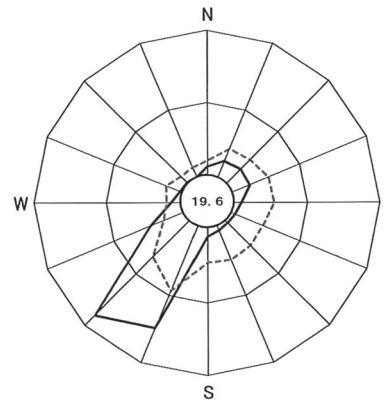
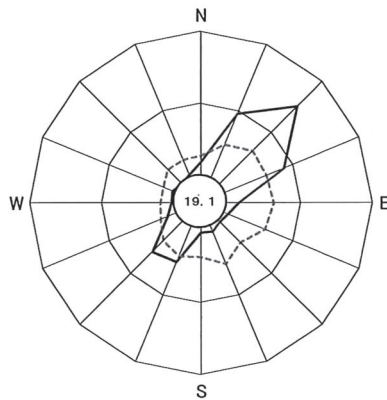
塩汲



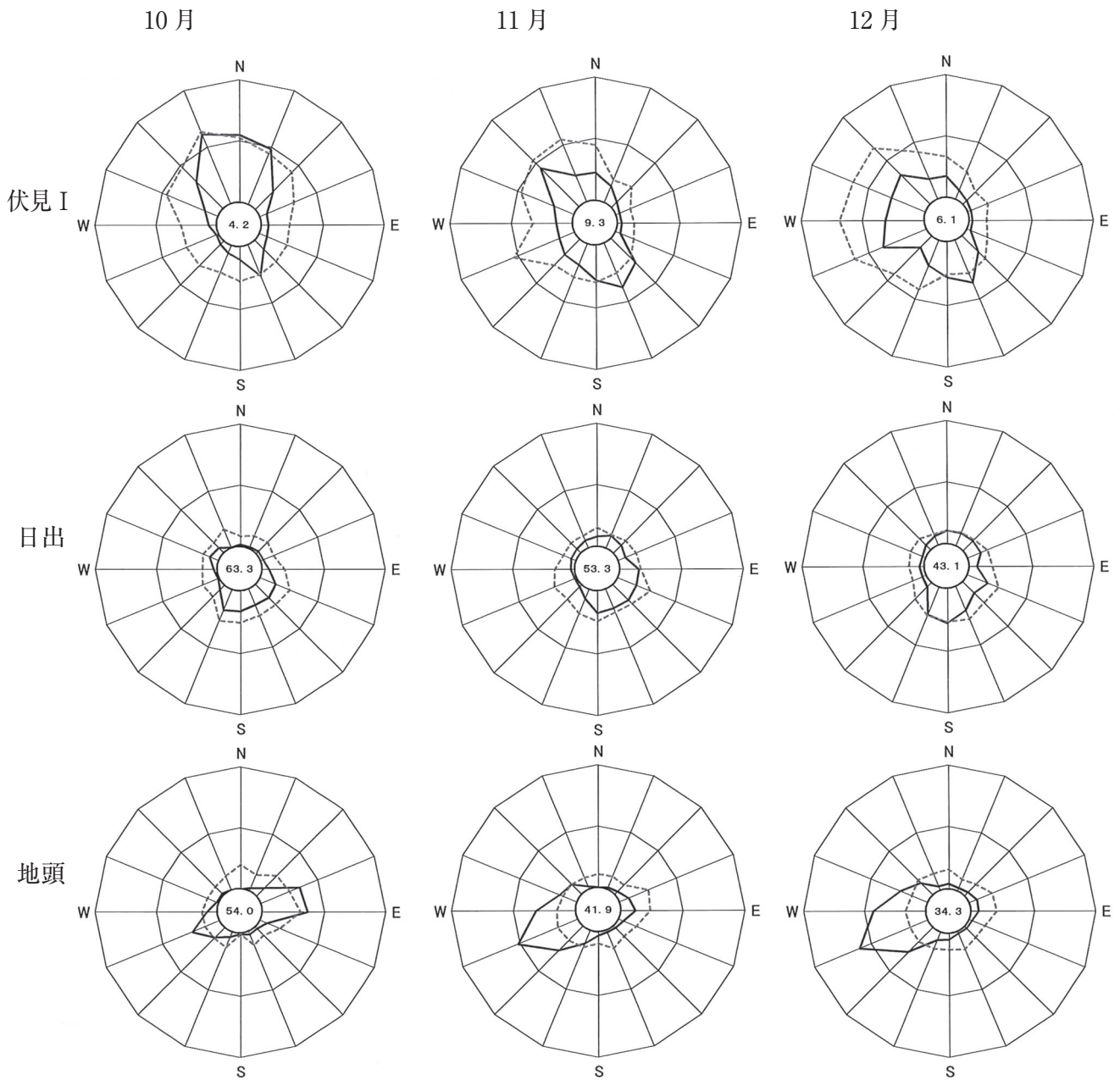
岡安



老富



凡例 前頁と同じ。



凡例

- 風向出現頻度
- ⋯ 風向別平均風速

最大円周上風向出現頻度 30%  
 風向別平均風速 5m/s

円内中央の数字は静穏時（風速 0.3 m / s 未満）の頻度を示す。

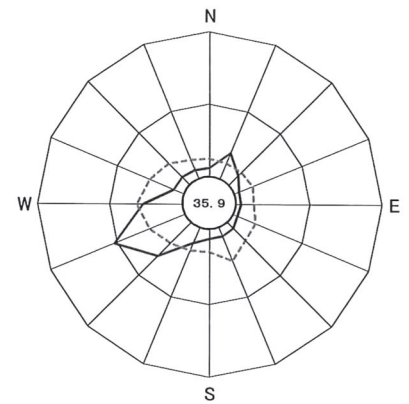
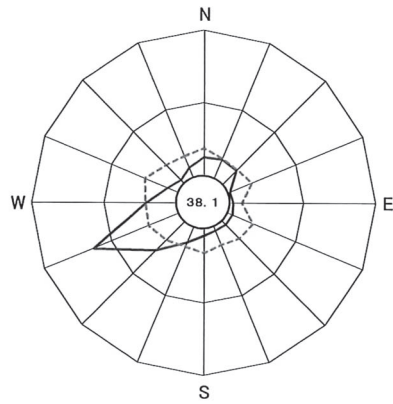
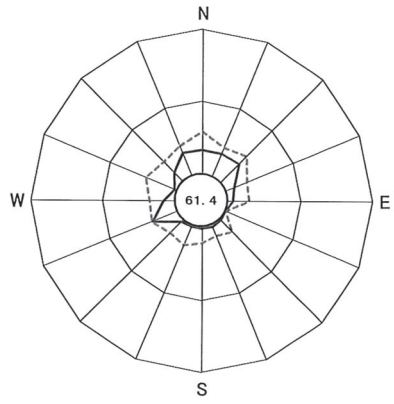


10月

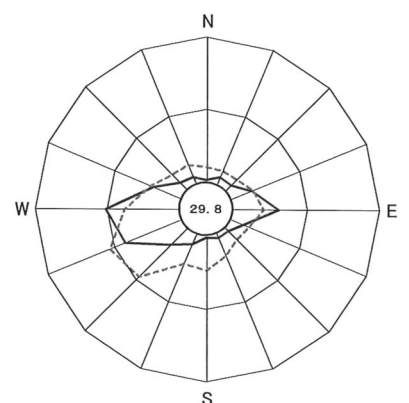
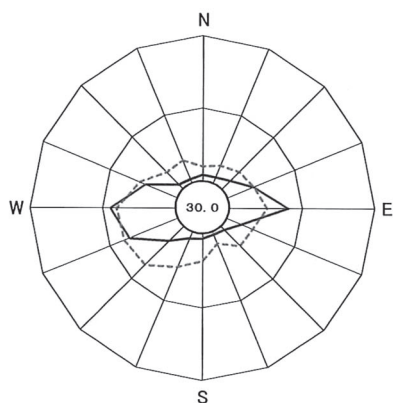
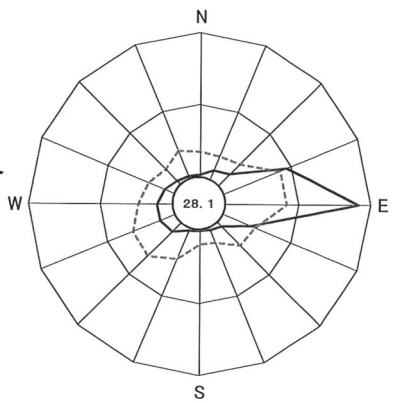
11月

12月

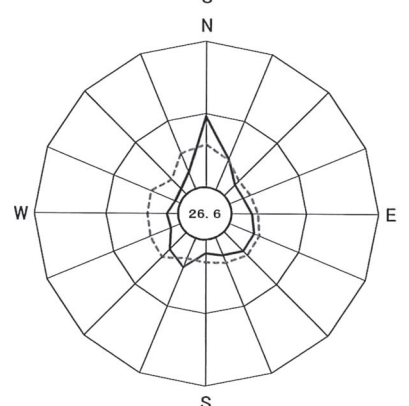
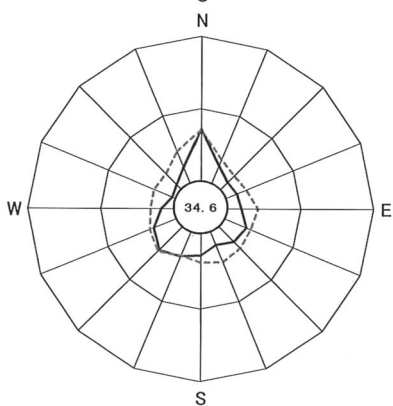
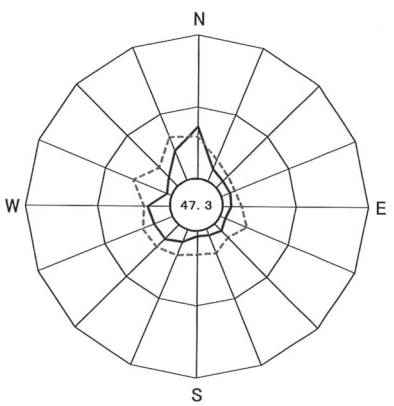
上杉



八津合



本庄



凡例 前頁に同じ。

イ 気温測定結果

単位:℃

| 測定所名 | 大山      |         |      | 吉坂      |         |      | 倉梯      |         |      |
|------|---------|---------|------|---------|---------|------|---------|---------|------|
|      | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   |
| 10   | 21.4    | 10.7    | 15.9 | 21.8    | 13.0    | 17.0 | 22.8    | 10.8    | 16.7 |
| 11   | 15.1    | 4.3     | 9.8  | 10.4    | 4.6     | 7.0  | 14.9    | 5.1     | 9.8  |
| 12   | 8.4     | -0.1    | 3.9  | 7.5     | 0.3     | 3.5  | 8.0     | 1.0     | 4.5  |

| 測定所名 | 塩汲      |         |      | 岡安      |         |      | 老富      |         |      |
|------|---------|---------|------|---------|---------|------|---------|---------|------|
|      | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   |
| 10   | 21.3    | 10.7    | 15.4 | 22.5    | 10.1    | 16.4 | 20.5    | 8.3     | 14.9 |
| 11   | 14.4    | 3.9     | 9.4  | 14.3    | 4.9     | 9.4  | 13.6    | 2.9     | 8.0  |
| 12   | 8.3     | -0.4    | 3.6  | 7.3     | 0.7     | 3.9  | 6.4     | -0.3    | 2.3  |

| 測定所名 | 日出      |         |      | 地頭      |         |      | 上杉      |         |      |
|------|---------|---------|------|---------|---------|------|---------|---------|------|
|      | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   |
| 10   | 22.2    | 10.7    | 16.5 | 22.1    | 9.9     | 15.9 | 21.7    | 8.6     | 15.5 |
| 11   | 15.2    | 5.1     | 9.8  | 13.7    | 4.4     | 8.6  | 14.0    | 3.2     | 8.4  |
| 12   | 8.6     | 0.2     | 4.6  | 6.0     | 0.4     | 3.4  | 6.5     | 0.0     | 2.9  |

| 測定所名 | 八津合     |         |      | 本庄      |         |      |
|------|---------|---------|------|---------|---------|------|
|      | 日平均値の最高 | 日平均値の最低 | 平均   | 日平均値の最高 | 日平均値の最低 | 平均   |
| 10   | 21.8    | 8.9     | 15.5 | 21.8    | 9.1     | 15.9 |
| 11   | 13.6    | 3.5     | 8.4  | 13.2    | 3.8     | 8.7  |
| 12   | 6.6     | -0.1    | 2.8  | 6.8     | 1.0     | 3.4  |

ウ 大気安定度

単位:時間数・( )内は%

| 大気安定度区分 |    | A           | A-B         | B           | B-C        | C           | C-D         | D             | E           | F           | -             | TOTAL        |
|---------|----|-------------|-------------|-------------|------------|-------------|-------------|---------------|-------------|-------------|---------------|--------------|
| 吉坂      | 10 | 10<br>(1.7) | 28<br>(4.8) | 53<br>(9.1) | 1<br>(0.2) | 10<br>(1.7) | 0<br>(0.0)  | 366<br>(63.0) | 7<br>(1.2)  | 6<br>(1.0)  | 100<br>(17.2) | 581<br>(100) |
|         | 11 | 0<br>(0.0)  | 16<br>(4.7) | 24<br>(7.0) | 6<br>(1.7) | 8<br>(2.3)  | 1<br>(0.3)  | 180<br>(52.3) | 2<br>(0.6)  | 0<br>(0.0)  | 107<br>(31.1) | 344<br>(100) |
|         | 12 | 0<br>(0.0)  | 34<br>(4.6) | 41<br>(5.6) | 6<br>(0.8) | 18<br>(2.4) | 5<br>(0.7)  | 392<br>(53.1) | 6<br>(0.8)  | 8<br>(1.1)  | 228<br>(30.9) | 738<br>(100) |
| 老富      | 10 | 8<br>(1.1)  | 36<br>(4.8) | 70<br>(9.4) | 1<br>(0.1) | 10<br>(1.3) | 1<br>(0.1)  | 465<br>(62.5) | 0<br>(0.0)  | 0<br>(0.0)  | 153<br>(20.6) | 744<br>(100) |
|         | 11 | 5<br>(0.7)  | 20<br>(2.8) | 47<br>(6.5) | 8<br>(1.1) | 13<br>(1.8) | 15<br>(2.1) | 358<br>(49.7) | 6<br>(0.8)  | 9<br>(1.3)  | 239<br>(33.2) | 720<br>(100) |
|         | 12 | 0<br>(0.0)  | 15<br>(2.0) | 28<br>(3.8) | 9<br>(1.2) | 26<br>(3.5) | 8<br>(1.1)  | 466<br>(63.1) | 20<br>(2.7) | 13<br>(1.8) | 153<br>(20.7) | 738<br>(100) |

(注) 1 大気安定度分類表(発電用原子炉施設の安全解析に関する気象指針について)による。

大気安定度区分

A: 強不安定 E: 弱安定

B: 並不安定 F: 並安定

C: 弱不安定 -: 強安定

D: 中立

2 1時間毎の大気安定度を月毎に集計したものである。



## 5 環境試料の核種分析結果

### ア ガンマ線放出核種分析結果

| 試料名        | 部位            | 採取地点 | 採取月日            | 単位                        | 検出された核種        |        |        |   |   |                                 |
|------------|---------------|------|-----------------|---------------------------|----------------|--------|--------|---|---|---------------------------------|
|            |               |      |                 |                           | I-131          | Cs-137 | Cs-134 | Ag-110m                                     | Be-7  | K-40                            |
| 浮遊じん       | -             | 吉坂   | 10月1日<br>～11月1日 | $\mu\text{Bq}/\text{m}^3$ | —              | —      | —      | —   | $3.7 \times 10^3$<br>$\pm 4.6 \times 10$    | —                               |
|            |               |      | 11月1日<br>～12月1日 |                           | —              | —      | —      | $4.0 \times 10^3$<br>$\pm 5.9 \times 10$    | —   |                                 |
|            |               |      | 12月1日<br>～1月1日  |                           | —              | —      | —      | $3.7 \times 10^3$<br>$\pm 4.5 \times 10$    | —   |                                 |
|            |               | 老富   | 10月1日<br>～11月1日 |                           | —              | —      | —      | $4.1 \times 10^3$<br>$\pm 4.7 \times 10$    | —   |                                 |
|            |               |      | 11月1日<br>～12月1日 |                           | —              | —      | —      | $4.9 \times 10^3$<br>$\pm 7.0 \times 10$    | —   |                                 |
|            |               |      | 12月1日<br>～1月1日  |                           | —              | —      | —      | $4.3 \times 10^3$<br>$\pm 5.5 \times 10$    | —   |                                 |
| 降水物        | 雨量<br>(569mm) | 吉坂   | 10月2日<br>～11月1日 | $\text{MBq}/\text{km}^2$  | —              | —      | —      | —   | $4.3 \times 10^2$<br>$\pm 1.9$              | 7.4<br>$\pm 3.6 \times 10^{-1}$ |
|            |               |      | 11月1日<br>～12月1日 |                           | —              | —      | —      | $3.9 \times 10^2$<br>$\pm 2.2$              | 2.2<br>$\pm 2.3 \times 10^{-1}$             |                                 |
|            | 雨量<br>(86mm)  | 吉坂   | 12月1日<br>～1月9日  |                           | —              | —      | —      | $7.2 \times 10^2$<br>$\pm 2.5$              | 3.6<br>$\pm 2.7 \times 10^{-1}$             |                                 |
|            |               |      | 10月2日<br>～11月1日 |                           | —              | —      | —      | $2.2 \times 10^2$<br>$\pm 1.2$              | —   |                                 |
|            | 雨量<br>(361mm) | 京都市  | 11月1日<br>～12月1日 |                           | —              | —      | —      | $9.8 \times 10$<br>$\pm 7.5 \times 10^{-1}$ | 1.5<br>$\pm 2.1 \times 10^{-1}$             |                                 |
|            |               |      |                 |                           | 12月1日<br>～1月4日 | —      | —      | —   | $5.0 \times 10$<br>$\pm 5.5 \times 10^{-1}$ | 6.5<br>$\pm 1.7 \times 10^{-1}$ |
|            |               |      | 雨量<br>(29mm)    |                           | 京都市            | —      | —      | —   | —   | —                               |
|            |               |      |                 |                           |                | —      | —      | —   | —   | —                               |
|            | 雨量<br>(22mm)  | 京都市  | —               |                           | —              | —      | —      | —   |   |                                 |
|            |               |      | —               |                           | —              | —      | —      | —   |   |                                 |
| 陸水・<br>源水  | 表層水           | 与保呂  | 11月13日          | mBq/L                     | —              | —      | —      | —   | $1.3 \times 10$<br>$\pm 2.3$                |                                 |
| 陸水・<br>河川水 | 表層水           | 朝来川  | 11月13日          | mBq/L                     | —              | —      | —      | $1.0 \times 10$<br>$\pm 2.5$                | $2.5 \times 10$<br>$\pm 2.7$                |                                 |

(注) 1. 測定値 $N \pm \Delta N$ において $\Delta N$ は計数誤差であり、 $N \leq 3 \times \Delta N$ のとき「検出限界以下」であるとし、「—」で表わしている。

| 試料名   | 部位 | 採取地点 | 採取月日   | 単位      | 検出された核種                                  |        |        |         |  |  |
|-------|----|------|--------|---------|--|--------|--------|---------|--|--|
|       |    |      |        |         | I-131                                    | Cs-137 | Cs-134 | Ag-110m | Be-7                                       | K-40                                       |
| 米     | 玄米 | 大山   | 10月17日 | mBq/kg生 | —  | —      | —      | —       | —  | $7.1 \times 10^4$<br>$\pm 1.1 \times 10^3$ |
|       |    | 吉坂   | 10月31日 |         | —  | —      | —      | —       | —  | $7.2 \times 10^4$<br>$\pm 1.1 \times 10^3$ |
|       |    | 杉山   | 10月5日  |         | —  | —      | —      | —       | —  | $7.5 \times 10^4$<br>$\pm 1.1 \times 10^3$ |
|       |    | 金剛院  | 10月31日 |         | —  | —      | —      | —       | —  | $6.6 \times 10^4$<br>$\pm 1.0 \times 10^3$ |
|       |    | 野原   | 10月27日 |         | $4.9 \times 10^2$<br>$\pm 3.2 \times 10$ | —      | —      | —       | —  | $6.8 \times 10^4$<br>$\pm 1.1 \times 10^3$ |
|       |    | 老富   | 10月6日  |         | $1.3 \times 10^2$<br>$\pm 2.5 \times 10$ | —      | —      | —       | —  | $7.1 \times 10^4$<br>$\pm 1.1 \times 10^3$ |
| 大根    | 根  | 大山   | 12月11日 | mBq/kg生 | —  | —      | —      | —       | $6.0 \times 10^2$<br>$\pm 7.4 \times 10$   | $8.9 \times 10^4$<br>$\pm 3.8 \times 10^2$ |
|       |    | 吉坂   | 12月4日  |         | —  | —      | —      | —       | $6.8 \times 10^2$<br>$\pm 7.3 \times 10$   | $7.5 \times 10^4$<br>$\pm 3.6 \times 10^2$ |
|       |    | 杉山   | 12月1日  |         | —  | —      | —      | —       | $1.3 \times 10^3$<br>$\pm 8.0 \times 10$   | $8.0 \times 10^4$<br>$\pm 3.6 \times 10^2$ |
|       |    | 大山   | 12月11日 |         | —  | —      | —      | —       | $6.5 \times 10^4$<br>$\pm 6.0 \times 10^2$ | $1.1 \times 10^5$<br>$\pm 8.4 \times 10^2$ |
|       |    | 吉坂   | 12月4日  |         | —  | —      | —      | —       | $3.8 \times 10^4$<br>$\pm 4.3 \times 10^2$ | $9.7 \times 10^4$<br>$\pm 6.9 \times 10^2$ |
|       |    | 杉山   | 12月1日  |         | —  | —      | —      | —       | $4.5 \times 10^4$<br>$\pm 4.7 \times 10^2$ | $1.1 \times 10^5$<br>$\pm 7.4 \times 10^2$ |
| ほうれん草 | 葉  | 大山   | 11月16日 | mBq/kg生 | —  | —      | —      | —       | $5.5 \times 10^3$<br>$\pm 1.9 \times 10^2$ | $2.2 \times 10^5$<br>$\pm 9.5 \times 10^2$ |
|       |    | 吉坂   | 11月13日 |         | —  | —      | —      | —       | $2.3 \times 10^4$<br>$\pm 4.0 \times 10^2$ | $2.2 \times 10^5$<br>$\pm 1.2 \times 10^3$ |

- (注) 1. 前頁と同じ。  
2. 「/kg生」とは、分析前処理前の試料 1 kgあたりという意味である。  
3. 過去 10 年間の最大値  
米 : Cs-137  $4.5 \times 10^2 \pm 3.0 \times 10$

| 試料名   | 部位 | 採取地点 | 採取月日   | 単位      | 検出された核種 |  |        |         |  |  |
|-------|----|------|--------|---------|---------|--|--------|---------|--|--|
|       |    |      |        |         | I-131   | Cs-137                                 | Cs-134 | Ag-110m | Be-7                                       | K-40                                       |
| 小豆    | 全体 | 大山   | 11月16日 | mBq/kg  | —       | —                                      | —      | —       | —  | $3.7 \times 10^5$<br>$\pm 1.9 \times 10^3$ |
|       |    | 杉山   | 11月2日  |         | —       | —                                      | —      | —       | —  | $3.8 \times 10^5$<br>$\pm 2.0 \times 10^3$ |
| よもぎ   | 葉  | 大山   | 10月12日 | mBq/kg生 | —       | $4.5 \times 10$<br>$\pm 1.1 \times 10$ | —      | —       | $8.4 \times 10^4$<br>$\pm 5.9 \times 10^2$ | $1.4 \times 10^5$<br>$\pm 7.9 \times 10^2$ |
|       |    | 吉坂   | 10月12日 |         | —       | $4.4 \times 10$<br>$\pm 1.3 \times 10$ | —      | —       | $8.4 \times 10^4$<br>$\pm 5.5 \times 10^2$ | $1.6 \times 10^5$<br>$\pm 9.5 \times 10^2$ |
|       |    | 杉山   | 10月27日 |         | —       | —                                      | —      | —       | $3.6 \times 10^5$<br>$\pm 1.5 \times 10^3$ | $2.0 \times 10^5$<br>$\pm 1.2 \times 10^3$ |
|       |    | 丸山   | 10月27日 |         | —       | $6.8 \times 10$<br>$\pm 1.3 \times 10$ | —      | —       | $2.0 \times 10^5$<br>$\pm 1.0 \times 10^3$ | $1.4 \times 10^5$<br>$\pm 9.1 \times 10^2$ |
|       |    | 老富   | 10月27日 |         | —       | —                                      | —      | —       | $8.2 \times 10^5$<br>$\pm 2.2 \times 10^3$ | $2.1 \times 10^5$<br>$\pm 1.3 \times 10^3$ |
|       |    | 多祢寺  | 11月29日 |         | —       | —                                      | —      | —       | —  | $4.9 \times 10^4$<br>$\pm 8.5 \times 10^2$ |
| 牛乳    | 原乳 | 多祢寺  | 11月29日 | mBq/L   | —       | —                                      | —      | —       | —  | $9.7 \times 10^4$<br>$\pm 7.5 \times 10^2$ |
| あじ    | 全身 | 田井沖  | 10月31日 | mBq/kg生 | —       | $9.3 \times 10$<br>$\pm 1.7 \times 10$ | —      | —       | —  | —  |
| あおりいか | 全身 | 田井沖  | 11月20日 | mBq/kg生 | —       | —                                      | —      | —       | —  | —  |

(注) 1、2. 前頁に同じ。

3. 過去10年間の最大値

よもぎ: Cs-137  $5.5 \times 10^2 \pm 2.1 \times 10$

あじ: Cs-137  $1.3 \times 10^2 \pm 1.5 \times 10$

イ トリチウム分析結果

| 試料名   | 部位  | 採取地点      | 採取月日   | 単位                        | トリチウム濃度                             | 気温<br>(°C) | 水温<br>(°C) | 過去10年間の最大値 |
|-------|-----|-----------|--------|---------------------------|-------------------------------------|------------|------------|------------|
| 陸水    | 源水  | 与保呂水源地    | 11月13日 | Bq/L                      | —                                   | 16.2       | 13.0       | 11 Bq/L    |
|       | 河川水 | 朝来川       | 11月13日 |                           | —                                   | 16.2       | 11.0       |            |
| 海水    | 表層水 | S t . 1   | 10月6日  | Bq/L                      | —                                   | 20.1       | 23.0       |            |
|       |     | S t . 2   |        |                           | —                                   | 19.8       | 23.1       |            |
|       |     | S t . 3-1 |        |                           | —                                   | 19.4       | 24.2       |            |
|       |     | S t . 3-2 |        |                           | —                                   | 17.8       | 24.4       |            |
|       | 表層水 | S t . 1   | 12月4日  | Bq/L                      | —                                   | 13.4       | 16.1       |            |
|       |     | S t . 2   |        |                           | —                                   | 13.8       | 16.1       |            |
|       |     | S t . 3-1 |        | —                         | 12.9                                | 16.9       |            |            |
|       |     | S t . 3-2 |        | —                         | 13.2                                | 16.8       |            |            |
| 試料名   | 部位  | 採取地点      | 採取月日   | 吸引量                       | トリチウム濃度                             |            |            | 過去10年間の最大値 |
| 空气中湿分 | —   | 大山        | 12月5日～ | 40.7<br>(m <sup>3</sup> ) | 0.58 ± 0.14 (Bq/L-水)                |            |            | 2.3        |
|       |     |           | 12月19日 |                           | 0.9 ± 0.21 (mBq/m <sup>3</sup> -空気) |            |            | 15         |

(注) 1. 測定値N±△Nにおいて△Nは計数誤差であり、N≦3×△Nのとき「検出限界以下」であるとし、「-」で表している。  
 2. 「Bq/L-水」は、水1LあたりのBq、「mBq/m<sup>3</sup>-空気」は、空気1m<sup>3</sup>あたりのmBqという意味である。

ウ ガス状ヨウ素分析結果

| 試料名    | 部位    | 採取地点  | 採取月日  | 単位                  | I-131濃度 |
|--------|-------|-------|-------|---------------------|---------|
| ガス状ヨウ素 | 活性炭ろ紙 | 吉坂測定所 | 12月6日 | μ Bq/m <sup>3</sup> | —       |

(注) 測定値N±△Nにおいて△Nは計数誤差であり、N≦3×△Nのとき「検出限界以下」であるとし、「-」で表している。

## 参 考



1 調査実施機関

環境部環境管理課  
中丹東保健所  
農林水産部水産課

南丹保健所  
丹後保健所  
農林水産技術センター海洋センター

中丹西保健所  
保健環境研究所

2 調査実施内容

| 区分                | 測定項目   | 調査地点             | 調査時期                       |
|-------------------|--|------------------|----------------------------|
| 空間放射線測定所          | 空間放射線測定所<br>空気吸収線量率<br>空間ガンマ線<br>スペクトル、風向、風速 | 放射線測定所           | 1 大山測定所                    |
|                   |  |                  | 2 吉坂測定所                    |
|                   |  |                  | 3 倉梯測定所                    |
|                   |  |                  | 4 塩汲測定所                    |
|                   |  |                  | 5 岡安測定所                    |
|                   |  |                  | 6 老富測定所                    |
|                   |  |                  | 7 日出測定所                    |
|                   |  |                  | 8 上司測定所                    |
|                   |  |                  | 9 地頭測定所                    |
|                   |  |                  | 10 上杉測定所                   |
|                   |  |                  | 11 八津合測定所                  |
|                   |  |                  | 12 盛郷測定所                   |
|                   |  |                  | 13 島測定所                    |
|                   |  |                  | 14 本庄測定所                   |
|                   |  |                  | 15 伏見 I 測定所                |
| 空間放射線測定車による定点測定   | 空間放射線測定車による定点測定                              | 1 河辺原地区          | 12月5日                      |
|                   |  | 2 三浜地区           | 12月4日                      |
|                   |  | 3 多門院地区          | 12月4日                      |
| 環境放射線調査車による走行サーベイ | 環境放射線調査車による走行サーベイ                            | 1 東舞鶴地域ルート1      | 12月4日                      |
|                   |  | 2 東舞鶴地域ルート2      | 12月7日                      |
|                   |  | 3 綾部老富地区ルート3     | 12月12日                     |
|                   |  | 4 綾部・西舞鶴地域ルート4   | 12月21日                     |
|                   |  | 5 福知山市区ルート5      | 12月5日                      |
|                   |  | 6 伊根・橋北地区ルート6    | 12月14日                     |
|                   |  | 7 宮津・栗田・由良地区ルート7 | 12月13日                     |
|                   |  | 8 京丹波町地域ルート8     | 12月5日                      |
|                   |  | 9 南丹市美山町地域ルート9   | 12月5日                      |
| モニタリングポイント        | 空間放射線測定<br>線量                                | モニタリングポイント       | 1 大山(測定所)                  |
|                   |  |                  | 2 松尾寺                      |
|                   |  |                  | 3 吉坂(測定所)                  |
|                   |  |                  | 4 田井(小学校跡地)                |
|                   |  |                  | 5 河辺(グラウンド)                |
|                   |  |                  | 6 朝来(小学校)                  |
|                   |  |                  | 7 金剛院                      |
|                   |  |                  | 8 丸山(小学校跡地)                |
|                   |  |                  | 9 大浦(小学校)                  |
|                   |  |                  | 10 老富(集会所)                 |
|                   |  |                  | 11 倉梯(測定所)                 |
|                   |  |                  | 12 夕潮台(公園)                 |
|                   |  |                  | 13 城北(中学校)                 |
|                   |  |                  | 14 水ヶ浦(駐車場)                |
|                   |  |                  | 15 野原(若宮神社)                |
|                   |  |                  | 16 塩汲(測定所)                 |
|                   |  |                  | 17 栃尾(記念碑)                 |
|                   |  |                  | 18 室牛(公民館)                 |
|                   |  |                  | 19 杉山(集会所)                 |
|                   |  |                  | 20 登尾(バス停)                 |
|                   |  |                  | 21 白屋(公民館)                 |
|                   |  |                  | 22 志楽(幼稚園)                 |
|                   |  |                  | 23 泉源寺(智性院)                |
|                   |  |                  | 24 大波下(東舞鶴病院)              |
|                   |  |                  | 25 堂奥(公民館)                 |
|                   |  |                  | 26 多門院(バス停)                |
|                   |  |                  | 9月12日<br>～12月13日<br>(曝露期間) |

(注) 1. 気象観測については、上司、盛郷及び島測定所を除く。  
2. 伏見 I 測定所については、対照地点として測定を行った。

| 区分                                   | 調査対象   |          | 測定項目                | 調査地点                    | 調査時期             | 採取量              |
|--------------------------------------|--------|----------|---------------------|-------------------------|------------------|------------------|
| 陸<br>上<br>モ<br>ニ<br>タ<br>リ<br>ン<br>グ | 浮遊じん   |          | ガンマ線放出核種            | 吉坂測定所<br>老富測定所          | 連続採取             | 1か月分             |
|                                      |        |          | 全アルファ放射能<br>全ベータ放射能 | 吉坂測定所<br>塩汲測定所<br>老富測定所 | 連続測定             | —                |
|                                      |        |          | ラドン子孫核種             | 倉梯測定所                   | 連続測定             | —                |
|                                      | 空気中湿分  |          | トリチウム               | 大山測定所                   | 12月5日<br>～12月19日 | 15日分             |
|                                      | ガス状ヨウ素 | 活性炭ろ紙    | ガンマ線放出核種            | 吉坂測定所                   | 12月6日            | 50m <sup>3</sup> |
|                                      | 降下物    | 雨水・ちり    | ガンマ線放出核種            | 吉坂測定所                   | 連続採取             | 1か月分             |
|                                      | 陸水     | 源水       | ガンマ線放出核種            | 与保呂水源地                  | 11月13日           | 42L              |
|                                      |        | 河川水      | トリチウム               | 朝来川                     | 11月13日           |                  |
|                                      | 米      | 玄米       | ガンマ線放出核種            | 大山                      | 10月17日           | 2kg              |
|                                      |        |          |                     | 吉坂                      | 10月31日           |                  |
|                                      |        |          |                     | 杉山                      | 10月5日            |                  |
|                                      |        |          |                     | 金剛院                     | 10月31日           |                  |
|                                      |        |          |                     | 野原                      | 10月27日           |                  |
|                                      |        |          |                     | 老富                      | 10月6日            |                  |
|                                      | 大根     | 根        | ガンマ線放出核種            | 大山                      | 12月11日           | 14kg             |
|                                      |        |          |                     | 吉坂                      | 12月4日            |                  |
| 葉                                    |        | 杉山       |                     | 12月1日                   |                  |                  |
|                                      |        | 大山       |                     | 12月11日                  |                  |                  |
|                                      |        | 吉坂       |                     | 12月4日                   |                  |                  |
| ほうれん草                                | 葉      | ガンマ線放出核種 | 大山                  | 11月16日                  | 4kg              |                  |
|                                      |        |          | 吉坂                  | 11月13日                  |                  |                  |
| 小豆                                   | 全体     | ガンマ線放出核種 | 大山                  | 11月16日                  | 2kg              |                  |
|                                      |        |          | 杉山                  | 11月2日                   |                  |                  |
| よもぎ                                  | 葉      | ガンマ線放出核種 | 大山                  | 10月12日                  | 3kg              |                  |
|                                      |        |          | 吉坂                  | 10月12日                  |                  |                  |
|                                      |        |          | 杉山                  | 10月27日                  |                  |                  |
|                                      |        |          | 丸山                  | 10月27日                  |                  |                  |
|                                      |        |          | 老富                  | 10月27日                  |                  |                  |
| 牛乳                                   | 原乳     | ガンマ線放出核種 | 多祢寺                 | 11月29日                  | 5L               |                  |
| あじ                                   | 全身     | ガンマ線放出核種 | 田井沖                 | 10月31日                  | 2kg              |                  |
| あおりいか                                | 全身     | ガンマ線放出核種 | 田井沖                 | 11月20日                  | 3kg              |                  |
| 海水                                   | 表層水    | トリチウム    | St.1                | 10月6日<br>12月4日          | 45L              |                  |
|                                      |        |          | St.2                |                         |                  |                  |
|                                      |        |          | St.3                |                         |                  |                  |

(注) 浮遊じんのラドン子孫核種及び降下物のガンマ線放出核種については、対照地点として伏見 I 測定所においても測定を行った。



### 3 測定方法等

#### (1) 空間放射線空気吸収線量率の測定

##### ア 放射線測定所

(ア) 測定器 : a 屋外固定式3"φ×3"エネルギー補償型NaI(Tl)シンチレーション測定装置

b 屋外固定式電離箱型(14L)測定装置

(イ) 測定高 : 地上約3.7m

(ウ) 校正線源 : Cs-137

##### イ 環境放射能測定車

(ア) 測定器 : 車上固定又は移動式3"φ球形エネルギー補償型NaI(Tl)シンチレーション測定装置

(イ) 測定高 : 地上2.9m(固定時)

(ウ) 校正線源 : Cs-137

##### ウ 環境放射線調査車

(ア) 測定器 : 車上固定式2"φ×2"エネルギー補償型NaI(Tl)シンチレーション測定装置

(イ) 測定高 : 地上2.2m(固定時)

(ウ) 校正線源 : Cs-137

(エ) その他 : 走行サーベイ及び定点サーベイ

#### (2) 空間放射線積算線量の測定(モニタリングポイント)

ア 測定器 : 熱蛍光線量計(TLD)

イ TLD素子 : CaSO<sub>4</sub>・Tm

ウ 測定高 : 地上1.5m

エ 曝露期間 : 3箇月

オ 設置方法 : 木製箱に収納

#### (3) 空間ガンマ線スペクトル測定

##### ア 放射線測定所

測定器 : 屋外固定式NaI(Tl)シンチレーション測定装置用空間ガンマ線スペクトル収録装置

イ 環境放射能測定車

(ア) 測定器 : 可搬式Ge半導体検出器・多重波高分析装置あるいは携帯型Ge半導体検出器・多重波高分析装置

(イ) 測定高 : 地上1.0m

(4) 浮遊じん中の全アルファ放射能及び全ベータ放射能の測定

【調査地点：吉坂、塩汲、老富測定所】

ア 測定器 : ZnS(Ag)+プラスチックシンチレーション検出器・ろ紙ステップ送り自動集じん装置

イ 試料採取高 : 地上約2.0m

ウ 吸引空気量 : 250 L<sub>N</sub>/分

エ 校正線源 : U<sub>3</sub>O<sub>8</sub>

(5) 空気中の放射性ヨウ素の測定 【調査地点：吉坂測定所】

ア 測定器 : NaI(Tl)シンチレーション検出器

イ 試料採取高 : 地上約2.0m

ウ 吸引空気量 : 50 L<sub>N</sub>/分

エ 校正線源 : ヨウ素-131模擬線源

(6) 空気中ラドン子孫核種濃度の測定 【調査地点：倉梯測定所】

ア 測定器 : 半導体検出器・ろ紙ステップ送り自動集じん装置

イ 試料採取高 : 地上1.2m

ウ 吸引空気量 : 80 L<sub>N</sub>/分

エ 校正線源 : Am-241

(7) 環境試料の測定

ア 陸上環境試料中の放射能測定

(ア) 浮遊じん 【調査地点：吉坂、老富測定所】

a 試料採取 : 浮遊じん1箇月分をろ紙ステップ送り自動集じん装置により採取

b ガンマ線放出核種分析

(a) 試料の処理 : 1箇月連続集じんしたろ紙を電気炉で灰化(450℃)し、一定規格のプラスチック容器に固定

(b) 測定器 : Ge半導体検出器・多重波高分析装置

(イ) 空気中湿分 【調査地点：大山測定所】

a 試料採取：空気中湿分を吸収剤に捕集し、7日～15日採取後蒸留して100mLに調整

b トリチウム分析

測定器：低バックグラウンド液体シンチレーション計数装置

(ウ) ガス状ヨウ素 【調査地点：吉坂測定所】

a 試料採取：ヨウ素モニターに活性炭フィルターを装着し、ヨウ素を捕集

b ガンマ線放出核種分析

測定器：Ge半導体検出器・多重波高分析装置

(エ) 降下物（雨水・ちり）【調査地点：吉坂測定所】

a 試料採取：降下物1箇月分を大型水盤により採取

b ガンマ線放出核種分析

(a) 試料の処理：降下物1箇月分を蒸発濃縮し、一定規格のプラスチック容器に固定

(b) 測定器：Ge半導体検出器・多重波高分析装置

(オ) 河川水、上水道源水

a 試料の採取：試料42Lをポリエチレンびんに採水

b ガンマ線放出核種分析 【調査地点：与保呂水源地、朝来川、上林川】

(a) 試料の処理：40Lを蒸発濃縮し、一定規格のプラスチック容器に固定

(b) 測定器：Ge半導体検出器・多重波高分析装置

c トリチウム分析 【調査地点：与保呂水源地、朝来川、上林川】

(a) 試料の処理：蒸留して100mLに調整

(b) 測定器：低バックグラウンド液体シンチレーション計数装置

d ストロンチウム-90分析（放射化学分析）【調査地点：朝来川】

(a) 試料の処理：蒸発濃縮試料を塩酸に溶かし、イオン交換法でストロンチウム-90を分離し、ステンレス製試料皿（直径2.5cm）に固定

(b) 比較試料：Sr-90+Y-90

(c) 測定器：低バックグラウンド放射能自動測定装置

(カ) 陸土

a 試料採取：採土器により未耕土0～5cmの深さを1地点当たり5箇所程度採取

b ガンマ線放出核種分析

【調査地点：大山、吉坂、杉山、丸山、金剛院、岡安、老富地区】

(a) 試料の処理：乾燥細土を一定規格のプラスチック容器に固定

(b) 測定器 : Ge半導体検出器・多重波高分析装置

c プルトニウム分析 【調査地点: 杉山、丸山地区】

(a) 試料の処理 : 乾燥細土から硝酸で抽出し、イオン交換法で分離を行い、精製したプルトニウムをステンレス板上に電着固定

(b) 測定器 : アルファ線スペクトロメータ

(キ) 農畜産物・植物

a 試料

|                          | 種類               | 調査地点      | 部位  | 採取量  |
|--------------------------|------------------|-----------|-----|------|
| 農畜産物                     | 米 <sup>(1)</sup> | 大山、吉坂地区など | 玄米  | 2kg  |
|                          | 大根               | 大山、吉坂地区など | 葉・根 | 14kg |
|                          | ほうれん草            | 大山、吉坂地区   | 葉   | 4kg  |
|                          | 高菜               | 吉坂地区      | 葉   | 4kg  |
|                          | 生椎茸              | 大山地区      | 全体  | 3kg  |
|                          | 小豆               | 大山、杉山地区   | 全体  | 2kg  |
|                          | 馬鈴薯              | 大山、杉山地区   | 可食部 | 4kg  |
|                          | 梅                | 大山地区      | 可食部 | 5kg  |
|                          | きゅうり             | 大山、杉山地区   | 全体  | 10kg |
|                          | 牛乳               | 多祢寺地区     | 原乳  | 10L  |
| 指標植物(松葉)                 | 大山、岡安地区など        | 葉         | 2kg |      |
| 指標植物(よもぎ) <sup>(2)</sup> | 大山、吉坂地区など        | 葉         | 3kg |      |

(1) 大山では5kg、杉山では3kg採取

(2) 大山、吉坂では5kg採取

b ガンマ線放出核種分析

(a) 試料の処理 : 灰分試料を一定規格のプラスチック容器に固定  
(牛乳及び米は未処理で、マリネリ容器に固定)

(b) 測定器 : Ge半導体検出器・多重波高分析装置

c ストロンチウム-90分析(放射化学分析)

灰試料を用い、河川水の測定方法に同じ

d プルトニウム分析

硫酸及び過酸化水素水を加えて加熱分解後、陸土の測定方法に同じ

イ 海洋環境試料中の放射能測定

(ア) 海洋生物・指標海洋生物・海底沈積物

a 試料

| 種類                           |                         | 調査地点              | 採取量 |
|------------------------------|-------------------------|-------------------|-----|
| 海洋生物                         | めばる <sup>(1)</sup> ・さざえ | 毛島沖、馬立島沖など        | 2kg |
|                              | なまこ <sup>(2)</sup>      |                   | 3kg |
|                              | わかめ                     |                   | 4kg |
|                              | あじ                      | 田井沖               | 2kg |
|                              | あおりいか                   |                   | 3kg |
|                              | うまづらはぎ                  |                   | 2kg |
|                              | するめいか                   |                   | 3kg |
| かたくちいわし                      | 2kg                     |                   |     |
| 指標海洋生物（ほんだわら） <sup>(2)</sup> |                         | 毛島沖、馬立島沖など        | 3kg |
| 海底沈積物 <sup>(3)</sup>         |                         | St. 1、St. 2、St. 3 | 2kg |

(1) 毛島沖は4kg採取

(2) 毛島沖は6kg採取

(3) 8月は4kg採取

b ガンマ線放出核種分析、ストロンチウム-90分析、プルトニウム分析

陸上環境試料の測定方法に同じ

(イ) 海水 【調査地点：St. 1、St. 2、St. 3】

a 試料採取：表層の海水45 Lをポリエチレンびんに採水

b ガンマ線放出核種分析

(a) 試料の処理：りんモリブデン酸塩-水酸化物-硫化物沈殿法で得た沈殿を均一に混合し、一定規格のプラスチック容器に固定

(b) 測定器：Ge半導体検出器・多重波高分析装置

c トリチウム分析

河川水、上水道源水の測定方法に同じ

(8) 気象観測

ア 風向・風速

【調査地点：放射線測定所(上司、盛郷、島測定所以外)及び環境放射能測定車の測定地点】

(ア) 放射線測定所：プロペラ式微風向風速計

(イ) 環境放射能測定車：超音波式微風向風速計

イ 気 温 【調査地点：放射線測定所(上司、盛郷、島測定所以外)】

白金抵抗体温度計

ウ 湿 度 【調査地点：放射線測定所(上司、盛郷、島測定所以外)】

静電容器型湿度計

エ 日 射 量 【調査地点：吉坂、老富測定所】

熱電堆式全天日射計

オ 放射収支量 【調査地点：吉坂、老富測定所】

熱電堆式示差放射収支計

カ 大気安定度 【調査地点：吉坂、老富測定所】

風速、日射量又は放射収支量から日本式パスキル安定度を算出

キ 雨雪量・感雨 【調査地点：放射線測定所(上司、盛郷、島測定所以外)】

(ア) 雨雪量：ヒータ付転倒ます型雨量計

(イ) 感 雨：電極面短絡電流方式感雨計

ク 積 雪 深 【調査地点：大山、老富測定所】

レーザ反射方式積雪深計

# 資 料





## 1 調査の目的

環境放射線モニタリング指針（原子力安全委員会）によると、モニタリングの基本目標は、原子力施設の周辺住民等の健康と安全を守ることにあるが、具体的には次の4項目とされている。

- ① 周辺住民等の線量を推定、評価すること。
- ② 環境における放射性物質の蓄積状況を把握すること。
- ③ 原子力施設からの予期しない放射性物質又は放射線の放出による周辺環境への影響の評価に資すること。
- ④ 異常事態発生の際の通報があった場合に、平常時のモニタリングを強化するとともに、緊急時モニタリングの準備を開始できるように整えること。

京都府では、上記の目標を達成するために下記のような測定を実施している。

### (1) 空間放射線モニタリング

#### ① 空間放射線量率

ガンマ線を対象として放射線量率を測定するもので、原子力施設に起因する外部被ばく線量の推定、評価に資する。

#### (ア) 放射線測定所での連続測定（15か所）

野外に設置した測定所で24時間連続監視を行っており、短期間での放射線量率の変動を把握することができる。同時に気象要素も測定しており、モニタリング結果を解釈する上での参考としている。測定データはテレメータシステムにより中央監視局に自動伝送され、集中監視を行っている。

#### (イ) 環境放射能測定車での定点測定（3地点）及び環境放射線調査車での走行サーベイ（9ルート）

放射線測定所の設置されていない地域における放射線量を把握するため、定期的に測定を実施している。環境放射能測定車では、空間線量率測定装置の他、核種分析装置、気象観測装置を搭載しており総合的な測定ができるようになっている。環境放射線調査車では、空間線量率を走行しながら測定できる。

#### ② 積算線量（26か所）

原子力発電所から5～10km以内の集落を対象に、一定期間の放射線量を測定するもので、長期的な変動監視に適している。京都府では3か月毎（92日）に測定している。

#### ③ 浮遊じんの放射能の全アルファ・ベータ放射能連続測定

大気中の浮遊じんが付着している、アルファ線やベータ線を放出する放射性核種の放射能を測定している。

#### ④ 空気中のラドン子孫核種濃度

浮遊じんが付着している天然放射性核種のうち、ほとんどを占めるラドン-222、

ラドン-220（トロンとも呼ばれる。）の崩壊によって生成する固体状の放射性核種（これらをラドン子孫核種という）濃度を測定している。

(2) 環境試料の放射能測定

放射性核種を含む環境試料の吸入、経口摂取等により、人が被ばくする状況を把握するため、環境試料を採取し、その放射能を測定する。また、人の被ばくに関係が無くても、放射性核種の分布、蓄積状況等の把握に役立つ試料についても測定を行っている。

分析には以下のようなものがある。

- ガンマ線放出核種

ガンマ線を放出する核種のうち、ベリリウム (Be) -7、カリウム (K) -40等の天然放射性核種のほか、下表の人工放射性核種について測定している。ゲルマニウム半導体検出器を備えた測定装置を用いて、これらの濃度を一括して測定することができる。

| 分析対象核種          | 半減期   | 分析対象核種          | 半減期   |
|-----------------|-------|-----------------|-------|
| コバルト (Co) -60   | 5.3年  | ルテニウム (Ru) -106 | 372日  |
| セシウム (Cs) -137  | 30年   | セリウム (Ce) -141  | 32.5日 |
| マンガン (Mn) -54   | 312日  | セリウム (Ce) -144  | 285日  |
| ジルコニウム (Zr) -95 | 64日   | ヨウ素 (I) -131    | 8日    |
| ニオブ (Nb) -95    | 35日   | セシウム (Cs) -134  | 2.1年  |
| ルテニウム (Ru) -103 | 39.3日 |                 |       |

- トリチウム (H-3)

ベータ線を放出する、原子炉内で生成する水素の同位元素の一つ。自然界でも宇宙線によって生成される。半減期12.3年。

- ストロンチウム (Sr) -90

ベータ線を放出する、原子炉内で生成する人工放射性核種。半減期28.8年。

- プルトニウム (Pu) -239、-240

アルファ線を放出する人工放射性核種。半減期はPu-239で2.4万年、Pu-240で6570年。

- ヨウ素 (I) -131

ガンマ線及びベータ線を放出する揮発性の人工放射性核種。半減期8日。

環境試料として、以下のようなものを採取している。

- ① 浮遊じん、空気中湿分・・・浮遊じんは、大気中に放出された放射性物質の拡散状況を最も早く知ることのできる環境試料であり、また、空気吸入による内部被ばく線量を把握することができる。

- ② 降下物（雨水・ちり）・・・放射性物質の降下量を把握し、核種の起源を推定する。
- ③ 陸土・海底沈積物・・・大気中の放射性物質は地表に降下し、土壌に蓄積する。また、放射性物質が海中に入ると、そのかなりの部分が海底に沈積する。そこで、これらを採用・分析し、環境中の放射性物質の蓄積状況を把握する。
- ④ 陸水、農畜産物、海産物・・・陸水は、地球上の循環水の一部として自然環境において放射性物質を輸送、拡散するとともに、農業用水や飲用水源となる。これらとともに、原子力発電所の周辺住民が多く摂取する農畜産物や、定着性の高い海洋生物の放射能を分析し、飲食物の摂取による内部被ばく線量を把握する。
- ⑤ 指標植物・指標海洋生物・・・食用には供しないが、放射性核種の付着や濃縮度が大きく、かつ継続的に採取可能な指標生物を採用・分析し、環境放射能の変動を把握する。
- ⑥ 海水・・・海域に降下・放出された放射性物質は、海水中に広がり、海底に沈積したり、生物に移行する。食用となる魚介藻類が生育する環境の安全性を確かめるため、海水の放射能レベルを把握する。

## 2 測定結果の評価について

### (1) 測定値の変動について

空間放射線、環境試料等の放射能の測定値を評価するにあたり、「平常の変動幅」を設定し、測定値がその変動幅内に納まるかどうかをひとつの目安にする。

例えば、京都府では、空間放射線量率の連続測定については「平均値 $\pm 3 \times$ 標準偏差 ( $M \pm 3 \sigma$ )」を、環境試料等データ数が多くない場合は、過去の測定値の最小値と最大値の範囲を平常の変動幅としている。

降雪等自然条件の変化や、核実験等の影響、原子力発電所の影響等でこの幅を超えることがあり、原因の特定を行う。

降雪時には、大気中のラドン子孫核種、浮遊じん等に含まれる天然放射性核種が雨等に取り込まれ、地上に降下し空間線量率が上昇する傾向がある。逆に積雪があると、大地からの放射線が遮へいされるため、空間線量率は低下する。

### (2) 環境試料の核種分析

昭和50年代まで実施されていた大気中核実験や昭和61年のチェルノブイリ原子力発電所事故の直後には、全国的に環境試料中の人工放射性核種の放射能が増加したが、それ以後は年々減少傾向にあり、東京電力福島第一原子力発電所事故前までは半減期の長いセシウム-137、プルトニウム、ストロンチウム-90がわずかに検出される程度である。

東京電力福島第一原子力発電所事故後は、同事故の影響とみられる半減期の短いセシウム-134が極めて微量検出されている。

### 3 用語の説明

#### 放射線

原子核が崩壊するときなどに放出される高速の粒子や電磁波のこと。

主な放射線の種類には、アルファ（ $\alpha$ ）線、ベータ（ $\beta$ ）線及びガンマ（ $\gamma$ ）線がある。アルファ線はヘリウムの原子核で、陽子2個と中性子2個から成り立っており、プラスの電荷を持っている。ベータ線は高速の電子でマイナスの電荷を持っている。また、ガンマ線は電磁波の一種で最も強い透過力を持っている。その他、X線、中性子線等も放射線の一種である。

#### 自然放射線

われわれの日常生活の中では、どこにいても宇宙や大地、食物から放射線をあびる。これを自然放射線という。自然放射線による被ばく線量は地域差があり、日本国内でも花崗岩地帯である関西、中国地方は多い傾向がある。ブラジルやインドでは日本の10倍強いところもある。

#### 放射能、放射性物質、Bq（ベクレル）

放射線を出す能力（性質）を放射能、放射能を持つ物質を放射性物質という。

Bqは放射能の強さの単位であり、1秒間に1個の原子核が崩壊するときの放射性物質の放射能の強さを1Bqという。

#### 放射性核種

自然界には約90種の元素があるが、同じ元素でも原子核の重さ（質量数）の違うものを同位元素（アイソトープ）という。それらの区別は「元素記号（名）－質量数」または「<sup>（質量数）</sup>元素記号」で表す。同位元素のうち、放射能を持つ核種を放射性核種という。例えば、自然界に存在するコバルト－59は放射能を持たない安定核種であるが、核実験や原子炉内で生成するコバルト－60は放射能を持つ放射性核種である。

#### 半減期

放射性核種の濃度は原子核の崩壊によって時間とともに減少するが、核種の種類によってその減少の速度が決まっている。当初の濃度が半分まで減少するのにかかる時間を半減期という。例えば、セシウム－137の半減期は約30年であるが、これはセシウム－137が始めに1Bqあった場合、30年後には0.5Bqになるという意味である。

## 天然放射性核種と人工放射性核種

カリウム-40やベリリウム-7等の核種は地殻の中に存在したり宇宙線で生成される放射性核種で、このようなものを天然放射性核種という。

一方、核実験や原子炉内で生成するストロンチウム-90やセシウム-137等の核種は人工放射性核種という。

## 空間放射線空気吸収線量率（空間放射線量率又は空間線量率）、空間放射線積算線量（積算線量）とGy（グレイ）

放射線が当たった物質が、どの程度のエネルギーを吸収したかを示す量を吸収線量といい、物質1kg当たり1J（ジュール）のエネルギーを与えた場合、これを1Gyという。空間放射線空気吸収線量率（空間放射線量率又は空間線量率）とは、ある地点の一定時間当たりの吸収線量のことであるnGy/h（ナノグレイ/時）等で示される。空間放射線積算線量（積算線量）とは、ある地点の一定期間の吸収線量の合計のことである。

## m（ミリ）、μ（マイクロ）、n（ナノ）、M（メガ）

単位の接頭語であり、mは1000分の1、μは100万分の1、nは10億分の1、Mは100万倍を表す。例えば、1Gyの10億分の1を1nGy（ナノグレイ）と呼ぶ。

## TLD（熱蛍光線量計）

TLDは積算線量を測定する方法の一つである。フッ化リチウム、フッ化カルシウム、硫酸カルシウム等の化学物質は、放射線が当たるとそのエネルギーを吸収し、その後それを加熱すると吸収した放射線のエネルギーを光として放出する性質（熱蛍光）がある。この光の量を測定することにより放射線の量を知ることができる。

## 放射線被ばくとSv（シーベルト）

放射線被ばくには、外部被ばくと内部被ばくの2種類がある。

外部被ばくとは、体外の放射線源から放出される放射線を受けることで、放射線に当たっているときだけ被ばくする。内部被ばくとは、飲食や呼吸により体内に入った放射性物質から受ける被ばくのことであり、放射性物質が体内に存在する限り被ばくが続く。

吸収線量が同じでも、被ばくによる人体への影響は放射線の種類やエネルギーの強さによって異なる。このため、吸収線量に種々の係数を掛けて同じ尺度で知ることができるように補正する。この単位をシーベルトという。



大山放射線測定所

2017年11月

単位:nGy/h

| 時刻<br>日  | 1   | 2   | 3   | 4   | 5    | 6    | 7    | 8    | 9    | 10     | 11    | 12    | 13   | 14   | 15   | 16   | 17    | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 最大値   | 最小値  | 平均値  | 標準偏差 | 測定時間 |    |     |  |  |
|----------|-----|-----|-----|-----|------|------|------|------|------|--------|-------|-------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|------|------|------|------|----|-----|--|--|
| 1        | 307 | 309 | 311 | 310 | 316  | 317  | 318  | 317  | 318  | 316    | 320   | 322   | 321  | 320  | 316  | 317  | 317   | 316  | 317  | 315  | 316  | 316  | 313  | 313  | 322   | 307  | 316  | 04   | 24   |    |     |  |  |
| 2        | 313 | 312 | 312 | 316 | 318  | 317  | 317  | 320  | 320  | 321    | 317   | 316   | 317  | 314  | 312  | 310  | 309   | 312  | 310  | 311  | 312  | 309  | 310  | 310  | 321   | 309  | 31.4 | 04   | 24   |    |     |  |  |
| 3        | 311 | 313 | 312 | 314 | 314  | 316  | 315  | 315  | 318  | 320    | 317   | 316   | 310  | 311  | 309  | 310  | 310   | 309  | 308  | 308  | 308  | 307  | 308  | 308  | 320   | 307  | 31.2 | 04   | 24   |    |     |  |  |
| 4        | 309 | 309 | 311 | 311 | 313  | 334  | 372  | 345  | 342  | 351    | 328.8 | 370   | 64.0 | 52.6 | 37.9 | 33.4 | 34.3  | 34.4 | 36.5 | 34.2 | 33.9 | 31.6 | 30.9 | 30.5 | 64.0  | 30.5 | 35.6 | 7.5  | 24   |    |     |  |  |
| 5        | 303 | 304 | 303 | 305 | 303  | 304  | 304  | 304  | 304  | 302    | 304   | 305   | 303  | 304  | 304  | 304  | 304   | 304  | 303  | 305  | 304  | 304  | 305  | 311  | 302   | 30.4 | 02   | 24   |      |    |     |  |  |
| 6        | 314 | 316 | 318 | 316 | 317  | 320  | 319  | 318  | 319  | 318    | 317   | 318   | 317  | 316  | 313  | 313  | 310   | 308  | 311  | 310  | 310  | 313  | 314  | 312  | 320   | 308  | 31.5 | 03   | 24   |    |     |  |  |
| 7        | 312 | 315 | 315 | 315 | 314  | 315  | 314  | 315  | 317  | 319    | 320   | 320   | 318  | 315  | 312  | 314  | 313   | 314  | 312  | 310  | 311  | 313  | 314  | 314  | 320   | 310  | 31.4 | 03   | 24   |    |     |  |  |
| 8        | 314 | 314 | 312 | 315 | 316  | 332  | 330  | 320  | 328  | 331    | 323   | 317   | 319  | 317  | 316  | 315  | 317   | 32.4 | 33.4 | 32.2 | 31.4 | 33.0 | 32.5 | 31.5 | 33.4  | 31.2 | 32.1 | 07   | 24   |    |     |  |  |
| 9        | 313 | 312 | 314 | 314 | 317  | 316  | 331  | 337  | 326  | 324    | 323   | 322   | 324  | 321  | 319  | 320  | 316   | 313  | 315  | 313  | 312  | 310  | 310  | 309  | 337   | 309  | 31.8 | 07   | 24   |    |     |  |  |
| 10       | 309 | 308 | 309 | 311 | 316  | 313  | 314  | 318  | 328  | 335    | 335   | 331   | 325  | 321  | 322  | 321  | 320   | 317  | 319  | 319  | 318  | 319  | 317  | 317  | 335   | 308  | 31.9 | 07   | 24   |    |     |  |  |
| 11       | 320 | 337 | 338 | 359 | 478  | 473  | 365  | 327  | 320  | 444    | 43.0  | 37.3  | 35.3 | 33.5 | 32.4 | 34.5 | 39.5  | 34.9 | 43.2 | 37.4 | 33.6 | 32.5 | 31.6 | 31.1 | 47.8  | 31.1 | 36.5 | 5.0  | 24   |    |     |  |  |
| 12       | 309 | 310 | 313 | 311 | 308  | 306  | 307  | 306  | 305  | 306    | 305   | 306   | 306  | 307  | 307  | 307  | 307   | 30.7 | 30.5 | 30.6 | 30.6 | 30.8 | 31.0 | 31.0 | 31.3  | 30.5 | 30.7 | 02   | 24   |    |     |  |  |
| 13       | 310 | 311 | 313 | 312 | 314  | 318  | 322  | 323  | 319  | 324    | 332   | 330   | 327  | 320  | 322  | 319  | 317   | 31.7 | 31.6 | 31.4 | 31.4 | 31.6 | 31.4 | 31.5 | 332   | 310  | 31.8 | 06   | 24   |    |     |  |  |
| 14       | 311 | 312 | 312 | 316 | 358  | 426  | 483  | 473  | 43.9 | 438    | 42.6  | 38.7  | 36.4 | 33.2 | 32.4 | 32.3 | 31.7  | 31.3 | 31.5 | 31.6 | 31.6 | 31.9 | 32.0 | 32.1 | 48.3  | 31.1 | 35.7 | 5.8  | 24   |    |     |  |  |
| 15       | 324 | 322 | 316 | 319 | 320  | 321  | 322  | 324  | 324  | 326    | 324   | 317   | 313  | 314  | 313  | 313  | 31.3  | 31.1 | 31.0 | 31.0 | 30.9 | 31.2 | 31.5 | 34.2 | 34.2  | 30.9 | 31.8 | 07   | 24   |    |     |  |  |
| 16       | 348 | 327 | 318 | 320 | 348  | 354  | 338  | 322  | 324  | 316    | 324   | 321   | 321  | 314  | 310  | 344  | 36.7  | 38.1 | 38.6 | 37.1 | 36.8 | 39.7 | 36.2 | 30.0 | 39.7  | 31.0 | 34.3 | 2.6  | 24   |    |     |  |  |
| 17       | 327 | 316 | 314 | 316 | 314  | 314  | 317  | 314  | 317  | 318    | 323   | 313   | 314  | 312  | 314  | 313  | 312   | 31.4 | 31.6 | 31.7 | 31.4 | 31.4 | 31.6 | 31.6 | 32.7  | 31.2 | 31.6 | 03   | 24   |    |     |  |  |
| 18       | 316 | 317 | 318 | 333 | 362  | 367  | 366  | 367  | 362  | 369    | 39.4  | 39.1  | 35.4 | 43.3 | 69.7 | 94.3 | 100.9 | 68.9 | 67.4 | 60.3 | 56.7 | 48.9 | 45.7 | 48.4 | 100.9 | 31.6 | 48.5 | 19.3 | 24   |    |     |  |  |
| 19       | 403 | 365 | 370 | 367 | 358  | 350  | 357  | 420  | 39.9 | 43.7   | 50.9  | 48.4  | 42.4 | 39.9 | 38.8 | 42.6 | 45.9  | 64.4 | 78.3 | 63.8 | 45.5 | 36.9 | 38.7 | 34.4 | 78.3  | 34.4 | 43.8 | 10.8 | 24   |    |     |  |  |
| 20       | 333 | 327 | 334 | 331 | 334  | 32.3 | 34.3 | 33.9 | 32.7 | 328    | 32.9  | 33.3  | 33.6 | 32.8 | 32.2 | 31.8 | 31.7  | 35.4 | 38.0 | 42.2 | 44.0 | 43.5 | 36.3 | 45.5 | 45.5  | 31.7 | 35.2 | 4.2  | 24   |    |     |  |  |
| 21       | 421 | 385 | 370 | 345 | 373  | 346  | 370  | 346  | 346  | 329    | 33.3  | 34.7  | 34.1 | 34.1 | 32.7 | 31.3 | 30.9  | 30.8 | 30.8 | 30.7 | 30.9 | 30.7 | 30.8 | 31.1 | 42.1  | 30.7 | 33.8 | 3.0  | 24   |    |     |  |  |
| 22       | 313 | 317 | 321 | 321 | 322  | 322  | 323  | 320  | 321  | 322    | 324   | 324   | 325  | 35.5 | 35.2 | 34.9 | 39.0  | 41.0 | 42.8 | 43.6 | 42.9 | 40.2 | 38.6 | 40.9 | 43.6  | 31.3 | 35.5 | 4.3  | 24   |    |     |  |  |
| 23       | 365 | 336 | 325 | 319 | 317  | 320  | 316  | 316  | 320  | 321    | 317   | 326   | 351  | 31.7 | 32.5 | 32.2 | 33.9  | 37.9 | 37.9 | 36.0 | 33.1 | 33.5 | 37.1 | 34.8 | 37.9  | 31.6 | 33.4 | 1.9  | 24   |    |     |  |  |
| 24       | 350 | 359 | 406 | 385 | 36.3 | 36.1 | 382  | 356  | 349  | 331    | 31.9  | 31.4  | 31.5 | 31.4 | 33.1 | 33.0 | 32.7  | 31.5 | 31.1 | 30.9 | 31.0 | 31.3 | 31.3 | 31.6 | 40.6  | 30.9 | 33.7 | 2.8  | 24   |    |     |  |  |
| 25       | 319 | 340 | 333 | 325 | 318  | 316  | 320  | 332  | 328  | 321    | 314   | 312   | 310  | 306  | 308  | 307  | 309   | 308  | 30.8 | 31.1 | 31.3 | 31.4 | 31.6 | 31.5 | 34.0  | 30.6 | 31.7 | 0.9  | 24   |    |     |  |  |
| 26       | 314 | 314 | 314 | 315 | 316  | 314  | 316  | 315  | 314  | 315    | 318   | 315   | 316  | 317  | 317  | 318  | 318   | 32.1 | 32.0 | 31.9 | 32.2 | 34.2 | 32.1 | 31.9 | 34.2  | 31.4 | 31.8 | 0.6  | 24   |    |     |  |  |
| 27       | 312 | 321 | 320 | 314 | 311  | 311  | 310  | 311  | 312  | 311    | 312   | 311   | 313  | 315  | 314  | 313  | 311   | 312  | 310  | 310  | 311  | 311  | 312  | 313  | 32.1  | 31.0 | 31.3 | 0.3  | 24   |    |     |  |  |
| 28       | 314 | 316 | 314 | 314 | 316  | 317  | 322  | 325  | 328  | 330    | 332   | 328   | 322  | 324  | 321  | 320  | 315   | 313  | 313  | 314  | 31.5 | 31.5 | 31.4 | 31.5 | 33.2  | 31.3 | 31.9 | 0.6  | 24   |    |     |  |  |
| 29       | 316 | 314 | 316 | 314 | 315  | 316  | 317  | 366  | 410  | 401    | 35.8  | 32.5  | 320  | 326  | 316  | 315  | 314   | 312  | 310  | 311  | 31.1 | 30.9 | 31.1 | 34.6 | 410   | 30.9 | 32.8 | 2.8  | 24   |    |     |  |  |
| 30       | 390 | 392 | 429 | 362 | 371  | 55.6 | 61.0 | 62.4 | 71.5 | 68.6   | 66.8  | 600   | 52.9 | 54.8 | 52.8 | 49.4 | 37.4  | 32.7 | 31.4 | 31.1 | 31.4 | 37.3 | 35.3 | 32.4 | 71.5  | 31.1 | 46.6 | 13.4 | 24   |    |     |  |  |
| 31       |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 最大値      | 421 | 392 | 429 | 385 | 478  | 55.6 | 61.0 | 62.4 | 71.5 | 68.6   | 66.8  | 600   | 54.8 | 54.8 | 69.7 | 94.3 | 100.9 | 68.9 | 78.3 | 63.8 | 56.7 | 48.9 | 45.7 | 48.4 | 100.9 |      | 48.5 |      |      |    |     |  |  |
| 最小値      | 303 | 304 | 303 | 305 | 303  | 305  | 304  | 304  | 304  | 302    | 304   | 305   | 303  | 304  | 304  | 304  | 304   | 304  | 303  | 305  | 304  | 304  | 305  | 305  | 305   | 302  | 30.4 | 30.4 |      |    |     |  |  |
| 平均値      | 327 | 325 | 327 | 324 | 332  | 34.1 | 34.5 | 34.4 | 34.7 | 350    | 35.0  | 34.3  | 34.5 | 34.1 | 34.2 | 350  | 352   | 34.7 | 35.7 | 34.7 | 33.8 | 33.5 | 33.0 | 33.2 | 33.2  | 34.0 | 34.0 | 34.0 |      |    |     |  |  |
| 標準偏差     | 30  | 2.2 | 2.9 | 1.9 | 3.4  | 5.4  | 6.1  | 6.3  | 7.6  | 7.4    | 7.5   | 5.9   | 7.1  | 6.0  | 7.9  | 11.9 | 12.9  | 9.0  | 10.8 | 8.2  | 5.9  | 4.4  | 3.4  | 4.1  |       |      | 6.9  |      |      |    |     |  |  |
| 測定時間     | 30  | 30  | 30  | 30  | 30   | 30   | 30   | 30   | 30   | 30     | 30    | 30    | 30   | 30   | 30   | 30   | 30    | 30   | 30   | 30   | 30   | 30   | 30   | 30   | 30    | 30   | 30   | 30   | 30   | 30 | 720 |  |  |
| 有効測定日数   | 30  |     |     |     |      |      |      |      |      | 245104 |       | 100.9 |      |      |      | 30.2 |       | 34.0 |      |      |      | 48.5 |      |      |       | 30.4 |      |      |      |    |     |  |  |
| 測定値合計    |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 次測定時間    |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 測定時間     |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 測定値ランク   |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 時間数      |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 出現割合(%)  |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |
| 局番/項目コード |     |     |     |     |      |      |      |      |      |        |       |       |      |      |      |      |       |      |      |      |      |      |      |      |       |      |      |      |      |    |     |  |  |



大山放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8       | 9      | 10    | 11    | 12    | 13    | 14    | 15    | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24    | 最大値  | 最小値  | 平均値  | 標準偏差   | 測定時間 |     |  |
|---------|------|------|------|------|------|------|------|---------|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|------|------|------|--------|------|-----|--|
| 1       | 32.1 | 33.3 | 31.8 | 31.5 | 31.5 | 31.8 | 32.4 | 32.9    | 33.4   | 39.6  | 42.9  | 39.7  | 38.4  | 39.4  | 35.9  | 34.3 | 32.8 | 31.6 | 31.0 | 30.7 | 30.8 | 30.5 | 30.8 | 30.8  | 42.9 | 30.5 | 33.8 | 3.6    | 24   |     |  |
| 2       | 30.5 | 31.2 | 31.0 | 30.6 | 30.6 | 30.8 | 31.4 | 32.0    | 32.3   | 31.8  | 31.8  | 31.5  | 31.2  | 31.0  | 31.0  | 30.8 | 30.9 | 30.8 | 30.8 | 31.0 | 30.7 | 31.0 | 31.0 | 31.0  | 31.0 | 32.3 | 30.5 | 31.1   | 0.5  | 24  |  |
| 3       | 31.3 | 31.6 | 32.0 | 31.8 | 31.9 | 32.0 | 32.2 | 32.2    | 32.4   | 32.8  | 32.6  | 32.1  | 31.8  | 31.5  | 31.3  | 31.2 | 31.1 | 31.1 | 31.1 | 30.9 | 31.0 | 31.1 | 31.2 | 31.5  | 32.8 | 30.9 | 31.7 | 0.5    | 24   |     |  |
| 4       | 31.5 | 31.7 | 31.7 | 31.4 | 31.3 | 31.6 | 32.3 | 32.7    | 33.2   | 33.0  | 33.0  | 32.8  | 33.4  | 33.3  | 35.6  | 35.6 | 38.2 | 40.3 | 35.6 | 33.2 | 33.1 | 32.4 | 32.1 | 32.1  | 40.3 | 31.3 | 33.5 | 2.4    | 24   |     |  |
| 5       | 32.3 | 32.0 | 31.4 | 31.5 | 31.2 | 31.4 | 31.3 | 31.7    | 32.1   | 32.3  | 32.3  | 32.1  | 31.5  | 30.6  | 30.8  | 30.6 | 30.6 | 30.6 | 30.8 | 30.7 | 30.6 | 30.7 | 30.8 | 31.0  | 32.3 | 30.6 | 31.3 | 0.6    | 24   |     |  |
| 6       | 31.2 | 31.3 | 31.4 | 32.7 | 33.8 | 33.3 | 34.6 | 32.6    | 32.4   | 31.7  | 30.9  | 30.9  | 31.0  | 31.0  | 31.2  | 32.3 | 32.3 | 32.2 | 32.0 | 31.5 | 31.1 | 31.1 | 31.5 | 31.3  | 34.6 | 30.9 | 32.0 | 1.1    | 24   |     |  |
| 7       | 31.4 | 31.6 | 31.7 | 32.3 | 32.3 | 31.7 | 32.7 | 33.5    | 33.6   | 32.8  | 32.8  | 32.3  | 32.1  | 31.5  | 31.3  | 31.5 | 31.8 | 31.6 | 31.8 | 31.8 | 31.8 | 31.8 | 31.7 | 31.8  | 33.6 | 31.3 | 32.0 | 0.6    | 24   |     |  |
| 8       | 31.8 | 31.9 | 32.1 | 32.4 | 31.7 | 31.5 | 33.8 | 43.2    | 39.1   | 33.9  | 31.8  | 32.0  | 32.9  | 47.7  | 60.6  | 45.9 | 41.0 | 40.2 | 36.2 | 32.0 | 34.8 | 33.9 | 32.6 | 32.0  | 60.6 | 31.5 | 36.8 | 7.0    | 24   |     |  |
| 9       | 33.1 | 41.2 | 49.1 | 49.2 | 42.6 | 35.6 | 32.9 | 32.8    | 31.9   | 32.6  | 32.5  | 32.4  | 33.0  | 32.7  | 32.1  | 32.0 | 31.4 | 31.7 | 31.9 | 31.9 | 31.9 | 31.8 | 31.8 | 31.8  | 49.2 | 31.4 | 34.6 | 5.3    | 24   |     |  |
| 10      | 31.9 | 31.6 | 32.2 | 32.1 | 32.0 | 32.2 | 31.8 | 31.9    | 32.5   | 32.3  | 32.3  | 32.2  | 32.1  | 31.8  | 31.9  | 31.9 | 32.2 | 31.6 | 31.9 | 32.2 | 31.8 | 31.7 | 32.7 | 33.3  | 33.3 | 31.6 | 32.1 | 0.4    | 24   |     |  |
| 11      | 32.1 | 31.7 | 31.7 | 31.6 | 31.7 | 31.9 | 34.2 | 35.3    | 32.5   | 31.4  | 31.4  | 31.3  | 31.4  | 31.2  | 31.1  | 31.1 | 31.1 | 31.1 | 31.2 | 31.3 | 35.4 | 35.2 | 34.5 | 33.2  | 35.4 | 31.1 | 32.3 | 1.5    | 24   |     |  |
| 12      | 35.5 | 40.1 | 38.3 | 33.8 | 37.8 | 41.3 | 42.5 | 43.3    | 41.0   | 40.4  | 38.5  | 36.2  | 37.0  | 34.3  | 32.7  | 33.1 | 33.8 | 33.9 | 35.8 | 35.2 | 31.5 | 31.3 | 31.3 | 31.3  | 43.3 | 31.3 | 36.3 | 3.7    | 24   |     |  |
| 13      | 32.6 | 33.1 | 32.5 | 33.4 | 33.5 | 33.0 | 32.7 | 32.6    | 35.3   | 40.8  | 38.7  | 39.2  | 41.1  | 45.5  | 39.4  | 41.4 | 42.1 | 42.1 | 42.5 | 47.0 | 46.1 | 34.3 | 38.6 | 37.0  | 47.0 | 32.5 | 38.1 | 4.7    | 24   |     |  |
| 14      | 33.1 | 33.2 | 36.5 | 34.3 | 30.0 | 28.6 | 28.3 | 29.4    | 30.5   | ***   | ***   | ***   | ***   | ***   | ***   | 29.1 | 28.7 | 29.2 | 29.1 | 29.2 | 28.8 | 29.0 | 29.4 | 30.5  | 36.5 | 29.3 | 30.4 | 2.3    | 18   |     |  |
| 15      | 30.8 | 31.3 | 32.3 | 30.6 | 30.1 | 29.8 | 30.3 | 30.3    | 30.4   | 30.4  | 30.3  | 31.0  | 30.3  | 29.8  | 29.9  | 30.1 | 30.0 | 29.9 | 30.4 | 30.5 | 30.8 | 30.8 | 30.8 | 32.3  | 29.8 | 28.3 | 30.4 | 0.6    | 24   |     |  |
| 16      | 31.1 | 31.9 | 33.5 | 32.2 | 31.6 | 31.5 | 31.4 | 31.5    | 31.8   | 31.9  | 32.0  | 32.3  | 32.2  | 32.2  | 31.9  | 31.6 | 31.6 | 32.2 | 31.9 | 31.2 | 31.1 | 30.9 | 32.6 | 34.8  | 34.8 | 30.9 | 31.9 | 0.8    | 24   |     |  |
| 17      | 42.8 | 44.7 | 53.2 | 43.9 | 39.0 | 38.7 | 41.6 | 38.8    | 46.5   | 46.2  | 49.7  | 48.5  | 51.6  | 60.8  | 60.0  | 45.2 | 35.6 | 32.1 | 30.2 | 29.3 | 30.8 | 34.0 | 37.4 | 32.1  | 60.8 | 29.3 | 42.2 | 8.9    | 24   |     |  |
| 18      | 30.1 | 29.3 | 29.0 | 29.3 | 29.4 | 29.5 | 29.9 | 30.5    | 31.0   | 31.5  | 31.0  | 31.2  | 31.2  | 30.8  | 30.1  | 29.9 | 29.3 | 29.4 | 29.7 | 30.1 | 30.1 | 30.0 | 30.0 | 30.0  | 31.5 | 29.0 | 30.1 | 0.7    | 24   |     |  |
| 19      | 30.0 | 30.0 | 30.1 | 30.2 | 30.2 | 30.4 | 30.3 | 30.4    | 30.5   | 30.8  | 37.3  | 45.1  | 47.0  | 49.7  | 51.1  | 52.5 | 46.5 | 38.8 | 33.6 | 32.1 | 31.6 | 31.2 | 30.8 | 31.1  | 52.5 | 30.0 | 35.9 | 7.9    | 24   |     |  |
| 20      | 30.7 | 30.5 | 30.7 | 31.0 | 31.3 | 31.4 | 31.4 | 31.5    | 31.6   | 32.1  | 31.9  | 31.8  | 31.4  | 31.4  | 31.3  | 30.8 | 30.5 | 30.4 | 30.6 | 30.7 | 30.9 | 30.8 | 31.0 | 30.9  | 32.1 | 30.4 | 31.1 | 0.5    | 24   |     |  |
| 21      | 30.7 | 30.8 | 31.0 | 30.6 | 30.8 | 30.5 | 34.7 | 35.9    | 32.6   | 31.5  | 30.9  | 30.7  | 30.7  | 30.6  | 30.7  | 30.9 | 30.7 | 30.7 | 30.9 | 30.9 | 30.8 | 30.6 | 31.2 | 31.2  | 35.9 | 30.5 | 31.3 | 1.3    | 24   |     |  |
| 22      | 31.3 | 31.8 | 32.1 | 31.9 | 31.8 | 31.9 | 32.4 | 32.5    | 32.4   | 32.4  | 32.1  | 31.8  | 31.9  | 31.6  | 31.5  | 31.4 | 31.5 | 31.5 | 31.7 | 31.9 | 32.1 | 32.3 | 32.3 | 32.1  | 32.5 | 31.3 | 31.9 | 0.3    | 24   |     |  |
| 23      | 32.0 | 32.2 | 32.0 | 32.0 | 32.1 | 31.9 | 32.0 | 31.9    | 32.0   | 32.3  | 32.3  | 32.2  | 32.4  | 32.4  | 32.0  | 32.0 | 31.4 | 31.2 | 31.2 | 31.2 | 31.4 | 31.7 | 31.6 | 31.7  | 32.4 | 31.2 | 31.9 | 0.4    | 24   |     |  |
| 24      | 32.2 | 32.2 | 32.1 | 32.3 | 32.7 | 32.2 | 32.0 | 32.3    | 32.4   | 32.8  | 33.3  | 32.9  | 32.3  | 31.9  | 31.5  | 31.5 | 31.5 | 32.6 | 35.4 | 36.6 | 37.3 | 37.7 | 36.1 | 37.1  | 37.7 | 31.5 | 33.4 | 2.0    | 24   |     |  |
| 25      | 33.8 | 31.9 | 31.7 | 32.9 | 38.5 | 44.1 | 44.2 | 52.8    | 56.7   | 48.1  | 54.7  | 55.0  | 56.2  | 54.8  | 63.6  | 61.0 | 53.9 | 56.4 | 51.3 | 43.0 | 45.3 | 40.9 | 38.5 | 37.4  | 63.6 | 31.7 | 47.1 | 9.8    | 24   |     |  |
| 26      | 33.5 | 32.6 | 33.5 | 33.2 | 32.4 | 32.4 | 32.9 | 33.1    | 33.5   | 34.4  | 36.1  | 37.4  | 44.2  | 49.5  | 41.7  | 45.1 | 42.0 | 41.1 | 46.5 | 51.5 | 50.8 | 53.9 | 54.0 | 48.9  | 54.0 | 32.4 | 40.5 | 7.7    | 24   |     |  |
| 27      | 43.7 | 41.4 | 34.8 | 37.5 | 45.3 | 42.9 | 37.8 | 32.6    | 32.6   | 32.3  | 31.6  | 31.4  | 38.8  | 43.7  | 47.2  | 45.9 | 37.5 | 32.5 | 31.7 | 31.7 | 30.4 | 32.5 | 30.8 | 31.2  | 47.2 | 30.4 | 36.6 | 5.6    | 24   |     |  |
| 28      | 30.7 | 29.4 | 29.3 | 30.9 | 31.5 | 30.1 | 29.4 | 31.1    | 30.1   | 32.1  | 31.2  | 29.6  | 28.9  | 30.1  | 30.2  | 29.2 | 29.1 | 28.9 | 28.8 | 28.9 | 28.8 | 28.7 | 28.7 | 29.0  | 32.1 | 28.7 | 29.8 | 1.0    | 24   |     |  |
| 29      | 29.1 | 30.0 | 29.9 | 29.9 | 29.7 | 29.8 | 30.0 | 30.1    | 30.6   | 30.6  | 30.8  | 32.3  | 37.0  | 35.1  | 32.8  | 35.2 | 40.3 | 35.2 | 35.4 | 35.5 | 32.5 | 31.7 | 31.3 | 30.8  | 40.3 | 29.1 | 32.3 | 2.9    | 24   |     |  |
| 30      | 30.7 | 30.6 | 30.5 | 30.4 | 30.6 | 30.5 | 30.4 | 30.3    | 30.2   | 30.2  | 30.3  | 30.3  | 30.4  | 30.4  | 30.3  | 30.4 | 30.5 | 30.4 | 30.4 | 30.2 | 30.2 | 30.3 | 30.7 | 30.7  | 30.7 | 30.2 | 30.4 | 0.2    | 24   |     |  |
| 31      | 31.0 | 31.2 | 31.2 | 31.3 | 30.9 | 30.9 | 32.5 | 33.5    | 33.4   | 32.8  | 32.4  | 32.1  | 32.0  | 32.7  | 33.3  | 32.4 | 31.9 | 32.0 | 31.9 | 31.7 | 31.4 | 32.8 | 36.7 | 34.5  | 36.7 | 30.9 | 32.3 | 1.3    | 24   |     |  |
| 最大値     | 43.7 | 44.7 | 53.2 | 49.2 | 45.3 | 44.1 | 44.2 | 52.8    | 56.7   | 48.1  | 54.7  | 55.0  | 56.2  | 60.8  | 63.6  | 61.0 | 53.9 | 56.4 | 51.3 | 50.8 | 53.9 | 54.0 | 48.9 | 54.0  | 46.9 | 63.6 | 47.1 |        |      |     |  |
| 最小値     | 29.1 | 29.3 | 29.0 | 29.3 | 29.4 | 28.6 | 28.3 | 29.4    | 30.1   | 30.2  | 30.3  | 29.6  | 28.9  | 29.8  | 29.9  | 29.1 | 28.7 | 28.9 | 28.8 | 28.9 | 28.8 | 28.7 | 28.7 | 29.0  | 29.0 | 28.3 | 29.8 |        |      |     |  |
| 平均値     | 32.4 | 32.8 | 33.2 | 32.9 | 32.9 | 32.7 | 33.0 | 33.7    | 33.8   | 34.2  | 34.5  | 35.3  | 36.3  | 36.3  | 36.5  | 35.4 | 34.3 | 33.7 | 33.6 | 33.3 | 33.1 | 32.8 | 33.1 | 32.6  | 33.7 | 33.7 | 33.7 |        |      |     |  |
| 標準偏差    | 3.2  | 3.7  | 5.2  | 4.0  | 3.8  | 3.8  | 3.7  | 4.8     | 5.4    | 4.3   | 5.5   | 5.9   | 6.9   | 8.4   | 9.9   | 7.8  | 5.8  | 5.5  | 5.3  | 5.1  | 5.1  | 4.6  | 4.7  | 3.3   | 3.3  | 3.3  | 5.5  |        |      |     |  |
| 測定時間    | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31      | 31     | 30    | 30    | 30    | 30    | 30    | 30    | 30   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31   | 31   | 31   | 7:08   |      |     |  |
| 有効測定日数  | 30   |      |      |      |      |      |      | 6       |        |       |       |       | 63.6  |       |       | 28.3 |      | 33.7 |      |      |      | 47.1 |      |       | 29.8 |      |      | 101/01 |      |     |  |
| 測定値合計   |      |      |      |      |      |      |      | 24897.1 |        |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |      |      |      |        |      |     |  |
| 測定時間    |      |      |      |      |      |      |      | 738     |        |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |      |      |      |        |      |     |  |
| 測定時間数   |      |      |      |      |      |      |      | 6       |        |       |       |       |       |       |       |      |      |      |      |      |      |      |      |       |      |      |      |        |      |     |  |
| 測定値ランク  | 0    |      |      |      |      |      |      | 26      | 31     | 36    | 41    | 46    | 51    | 56    | 61    | 66   | 71   | 76   | 81   | 86   | 91   | 96   | 101  | TOTAL |      |      |      |        |      |     |  |
| 時間数     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 190     | 423    | 51    | 35    | 18    | 13    | 6     | 2     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0      | 0    | 738 |  |
| 出現割合(%) | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 25.745  | 57.317 | 6.911 | 4.743 | 2.439 | 1.762 | 0.813 | 0.271 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0      | 100  |     |  |





吉坂放射線測定所

2017年11月

単位:nGy/h

Main data table with columns for date, time, and radiation level measurements. Includes a summary row for '測定値合計' (Total Measurement Value) and '測定時間' (Measurement Time).

Summary table with columns for '有効測定日数' (Valid Measurement Days), '測定時間' (Measurement Time), and '測定値合計' (Total Measurement Value). Includes a 'TOTAL' row and '出現割合(%)' (Occurrence Ratio %).





















岡安放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日 | 1    | 2    | 3       | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22    | 23   | 24   | 最大値  | 最小値  | 平均値   | 標準偏差 | 測定時間   |    |
|---------|------|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|------|--------|----|
| 1       | 35.7 | 36.3 | 36.2    | 36.5 | 36.8 | 37.1 | 37.1 | 37.0 | 37.4 | 39.9 | 45.0 | 47.9 | 42.7 | 40.8 | 39.6 | 38.8 | 38.0 | 37.1 | 36.1 | 36.4 | 36.4 | 36.5  | 36.5 | 36.1 | 47.9 | 35.7 | 38.2  | 3.1  | 24     |    |
| 2       | 35.9 | 36.0 | 36.5    | 36.2 | 36.5 | 36.8 | 37.1 | 37.2 | 37.3 | 36.7 | 36.6 | 36.5 | 35.9 | 35.9 | 35.8 | 36.1 | 36.2 | 35.9 | 36.0 | 36.6 | 36.9 | 37.2  | 37.6 | 37.9 | 37.9 | 37.9 | 35.8  | 0.6  | 24     |    |
| 3       | 38.4 | 38.6 | 39.1    | 39.6 | 39.8 | 39.9 | 40.2 | 40.2 | 40.1 | 39.2 | 39.0 | 38.6 | 37.3 | 36.3 | 36.2 | 36.1 | 36.2 | 36.1 | 36.1 | 36.6 | 37.0 | 37.2  | 37.7 | 37.9 | 40.2 | 38.1 | 38.1  | 1.5  | 24     |    |
| 4       | 38.1 | 38.5 | 38.8    | 38.2 | 38.8 | 40.1 | 40.5 | 40.5 | 40.4 | 39.9 | 39.8 | 38.2 | 38.5 | 39.4 | 39.5 | 40.7 | 43.4 | 42.7 | 42.2 | 39.9 | 39.0 | 39.4  | 38.8 | 39.0 | 43.4 | 38.1 | 39.9  | 1.3  | 24     |    |
| 5       | 39.0 | 38.8 | 38.7    | 37.7 | 37.5 | 37.0 | 36.8 | 36.8 | 36.8 | 36.7 | 36.9 | 36.7 | 36.1 | 35.8 | 35.5 | 35.6 | 35.4 | 35.7 | 35.8 | 35.8 | 35.9 | 35.9  | 36.1 | 35.9 | 39.0 | 35.4 | 36.7  | 1.1  | 24     |    |
| 6       | 36.3 | 36.4 | 36.2    | 37.5 | 40.2 | 46.1 | 41.6 | 38.2 | 37.0 | 37.0 | 36.7 | 36.0 | 35.6 | 35.7 | 35.6 | 35.8 | 36.8 | 36.8 | 36.4 | 36.2 | 36.4 | 36.8  | 37.2 | 37.6 | 46.1 | 35.6 | 37.3  | 2.4  | 24     |    |
| 7       | 36.0 | 38.1 | 38.6    | 39.0 | 39.3 | 39.3 | 39.6 | 40.1 | 40.0 | 39.1 | 38.2 | 36.7 | 36.3 | 36.2 | 36.2 | 36.3 | 36.4 | 36.4 | 37.0 | 37.1 | 37.4 | 37.7  | 37.7 | 40.1 | 36.2 | 37.8 | 1.3   | 24   |        |    |
| 8       | 38.3 | 38.3 | 38.6    | 39.0 | 38.7 | 38.4 | 39.2 | 47.2 | 44.3 | 39.1 | 37.1 | 37.2 | 37.5 | 48.3 | 63.0 | 55.3 | 51.5 | 55.2 | 52.8 | 45.3 | 43.3 | 43.6  | 41.0 | 39.9 | 63.0 | 37.1 | 43.8  | 7.2  | 24     |    |
| 9       | 48.0 | 59.1 | 59.9    | 53.4 | 44.6 | 39.9 | 37.9 | 37.7 | 37.5 | 37.3 | 37.1 | 36.8 | 37.2 | 36.9 | 36.8 | 36.4 | 36.5 | 36.5 | 36.6 | 36.9 | 37.2 | 37.4  | 37.7 | 37.8 | 59.1 | 36.4 | 40.4  | 6.7  | 24     |    |
| 10      | 37.9 | 38.4 | 38.6    | 38.3 | 38.5 | 38.1 | 37.8 | 38.4 | 38.5 | 37.8 | 37.5 | 36.7 | 36.9 | 36.8 | 36.5 | 36.3 | 36.5 | 36.4 | 36.6 | 36.9 | 37.0 | 37.0  | 37.3 | 36.0 | 38.6 | 36.3 | 37.4  | 0.8  | 24     |    |
| 11      | 36.8 | 36.6 | 36.5    | 36.6 | 36.6 | 36.6 | 36.8 | 41.5 | 38.5 | 36.7 | 36.4 | 36.6 | 36.2 | 36.0 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 36.1 | 36.5 | 37.6  | 37.6 | 36.2 | 41.5 | 35.8 | 36.8  | 1.3  | 24     |    |
| 12      | 36.1 | 37.0 | 37.4    | 36.9 | 36.7 | 38.4 | 39.6 | 40.7 | 38.6 | 38.0 | 37.3 | 37.8 | 37.0 | 36.4 | 36.0 | 36.2 | 36.0 | 36.2 | 36.8 | 37.2 | 36.3 | 36.1  | 36.1 | 36.1 | 36.5 | 40.7 | 36.0  | 37.1 | 1.2    | 24 |
| 13      | 36.5 | 36.7 | 37.0    | 37.3 | 37.6 | 37.3 | 36.9 | 37.0 | 37.8 | 41.7 | 44.4 | 45.2 | 46.7 | 48.2 | 46.3 | 46.0 | 46.3 | 45.7 | 45.3 | 43.5 | 42.0 | 39.0  | 41.2 | 42.8 | 48.2 | 36.5 | 41.6  | 4.1  | 24     |    |
| 14      | 41.0 | 43.4 | 39.1    | 37.1 | 35.8 | 35.5 | 36.3 | 36.2 | 39.8 | 38.2 | 39.7 | 37.9 | 36.1 | 38.1 | 38.1 | 36.9 | 36.0 | 35.3 | 36.3 | 36.0 | 35.4 | 35.8  | 35.8 | 36.2 | 43.4 | 35.3 | 37.2  | 2.0  | 24     |    |
| 15      | 36.4 | 39.3 | 41.5    | 38.9 | 37.9 | 37.8 | 37.5 | 37.3 | 37.3 | 37.4 | 37.0 | 37.0 | 36.3 | 35.4 | 35.3 | 35.2 | 35.6 | 35.6 | 35.8 | 35.8 | 36.8 | 37.0  | 37.6 | 37.6 | 41.5 | 35.2 | 37.1  | 1.4  | 24     |    |
| 16      | 37.6 | 37.5 | 38.3    | 37.9 | 37.4 | 37.4 | 37.8 | 38.0 | 38.2 | 37.8 | 37.1 | 37.4 | 37.4 | 37.4 | 37.2 | 36.5 | 38.0 | 39.4 | 37.7 | 36.6 | 36.1 | 36.0  | 35.9 | 36.2 | 38.1 | 39.4 | 37.4  | 0.8  | 24     |    |
| 17      | 41.2 | 45.8 | 55.4    | 47.2 | 44.6 | 46.2 | 46.2 | 48.1 | 53.7 | 58.6 | 56.2 | 63.2 | 62.3 | 53.3 | 54.1 | 43.6 | 39.7 | 37.4 | 36.1 | 34.9 | 34.6 | 36.0  | 36.8 | 36.2 | 63.2 | 34.6 | 46.3  | 9.0  | 24     |    |
| 18      | 35.9 | 35.7 | 36.0    | 36.3 | 36.8 | 36.9 | 37.2 | 37.1 | 36.9 | 36.9 | 36.8 | 37.0 | 36.7 | 36.3 | 35.8 | 35.3 | 35.0 | 35.5 | 35.8 | 36.1 | 36.3 | 36.3  | 36.1 | 36.1 | 37.2 | 35.0 | 36.3  | 0.6  | 24     |    |
| 19      | 36.0 | 36.0 | 36.5    | 36.6 | 36.7 | 36.8 | 37.0 | 37.1 | 36.8 | 36.7 | 40.9 | 47.5 | 51.4 | 52.2 | 51.5 | 54.2 | 54.2 | 46.6 | 41.6 | 38.9 | 38.0 | 37.5  | 37.9 | 37.8 | 54.2 | 36.0 | 41.5  | 6.6  | 24     |    |
| 20      | 37.6 | 37.7 | 38.0    | 38.3 | 38.2 | 38.3 | 38.4 | 38.3 | 38.3 | 38.4 | 37.9 | 37.9 | 37.4 | 36.6 | 36.0 | 36.2 | 35.7 | 35.5 | 36.0 | 36.4 | 36.8 | 36.9  | 37.2 | 37.5 | 38.6 | 35.5 | 37.3  | 1.0  | 24     |    |
| 21      | 37.7 | 37.7 | 37.7    | 37.6 | 37.3 | 37.0 | 38.4 | 38.9 | 37.5 | 36.3 | 35.6 | 35.7 | 35.6 | 35.7 | 35.6 | 35.6 | 35.6 | 35.7 | 35.7 | 36.1 | 36.3 | 36.5  | 37.0 | 37.4 | 37.7 | 38.9 | 35.6  | 36.8 | 1.0    | 24 |
| 22      | 38.3 | 38.8 | 39.0    | 39.0 | 39.2 | 39.4 | 39.6 | 39.8 | 40.1 | 39.3 | 37.8 | 36.4 | 36.4 | 36.2 | 36.1 | 36.0 | 35.9 | 36.1 | 36.5 | 37.0 | 37.4 | 37.5  | 37.8 | 37.8 | 40.1 | 35.9 | 37.8  | 1.4  | 24     |    |
| 23      | 38.1 | 38.3 | 38.8    | 38.8 | 38.9 | 38.7 | 39.2 | 39.3 | 39.2 | 38.5 | 37.7 | 37.3 | 37.3 | 36.9 | 36.7 | 36.6 | 36.6 | 36.3 | 36.5 | 36.8 | 37.0 | 37.2  | 37.3 | 37.7 | 39.3 | 36.3 | 37.7  | 1.0  | 24     |    |
| 24      | 38.1 | 38.3 | 38.5    | 39.1 | 39.1 | 39.3 | 39.6 | 40.0 | 40.2 | 39.9 | 39.0 | 38.1 | 36.9 | 36.6 | 36.4 | 36.3 | 36.5 | 37.7 | 41.0 | 42.5 | 42.9 | 43.1  | 40.7 | 41.0 | 43.1 | 36.3 | 39.2  | 2.0  | 24     |    |
| 25      | 36.3 | 36.4 | 36.3    | 36.7 | 42.6 | 53.2 | 51.2 | 64.2 | 60.1 | ***  | ***  | ***  | ***  | ***  | ***  | 65.4 | 61.9 | 62.1 | 59.0 | 48.9 | 53.6 | 49.6  | 45.1 | 44.8 | 65.4 | 36.3 | *50.5 | 10.1 | 18     |    |
| 26      | 39.9 | 37.9 | 38.1    | 37.6 | 37.0 | 38.9 | 37.3 | 37.8 | 37.8 | 37.4 | 37.0 | 38.2 | 44.0 | 48.0 | 42.0 | 40.9 | 40.1 | 43.8 | 42.7 | 51.5 | 59.3 | 56.3  | 54.8 | 52.1 | 59.3 | 36.9 | 42.9  | 7.0  | 24     |    |
| 27      | 47.5 | 45.6 | 43.1    | 46.7 | 48.8 | 55.5 | 53.4 | 43.2 | 39.2 | 38.7 | 36.6 | 35.6 | 42.4 | 45.6 | 51.7 | 50.8 | 45.3 | 42.2 | 40.3 | 38.6 | 37.1 | 35.7  | 35.7 | 37.3 | 55.5 | 35.6 | 43.2  | 6.0  | 24     |    |
| 28      | 36.0 | 35.1 | 35.9    | 37.6 | 40.7 | 37.2 | 35.9 | 36.4 | 36.0 | 37.3 | 36.4 | 39.8 | 39.5 | 38.3 | 37.3 | 35.8 | 35.5 | 35.0 | 35.0 | 35.1 | 35.3 | 35.6  | 36.0 | 36.5 | 40.7 | 35.0 | 36.6  | 1.6  | 24     |    |
| 29      | 37.0 | 37.4 | 37.7    | 37.8 | 38.0 | 38.0 | 38.2 | 38.2 | 38.3 | 38.4 | 38.6 | 40.4 | 41.7 | 41.7 | 39.7 | 40.9 | 44.6 | 43.1 | 43.7 | 42.7 | 38.2 | 36.1  | 36.1 | 36.0 | 44.6 | 36.0 | 39.3  | 2.5  | 24     |    |
| 30      | 35.7 | 35.4 | 35.5    | 35.5 | 35.4 | 35.2 | 35.2 | 35.3 | 35.2 | 35.3 | 35.1 | 35.2 | 35.0 | 35.1 | 35.3 | 35.2 | 35.3 | 35.3 | 35.6 | 35.8 | 36.0 | 36.3  | 36.3 | 36.7 | 36.7 | 35.0 | 35.5  | 0.5  | 24     |    |
| 31      | 37.1 | 37.5 | 38.0    | 38.3 | 37.9 | 38.3 | 38.9 | 38.8 | 38.7 | 38.1 | 37.0 | 36.6 | 36.4 | 37.0 | 37.7 | 36.4 | 36.5 | 36.5 | 36.8 | 36.6 | 36.4 | 36.7  | 37.6 | 37.5 | 38.9 | 36.4 | 37.4  | 0.9  | 24     |    |
| 最大値     | 48.0 | 59.1 | 59.9    | 53.4 | 44.6 | 39.9 | 37.9 | 37.7 | 37.5 | 37.3 | 37.1 | 36.8 | 37.2 | 36.9 | 36.8 | 36.4 | 36.5 | 36.4 | 36.6 | 36.9 | 37.0 | 37.0  | 37.3 | 36.0 | 38.6 | 36.3 | 37.4  | 0.8  | 24     |    |
| 最小値     | 35.7 | 36.0 | 36.5    | 36.2 | 36.5 | 36.8 | 37.1 | 37.2 | 37.3 | 36.7 | 36.6 | 36.5 | 35.9 | 35.9 | 35.8 | 36.1 | 36.2 | 36.0 | 36.2 | 36.8 | 37.2 | 36.3  | 36.1 | 36.1 | 36.5 | 40.7 | 36.0  | 37.1 | 1.2    | 24 |
| 平均値     | 38.2 | 38.6 | 39.1    | 38.8 | 39.3 | 39.3 | 39.6 | 40.0 | 39.6 | 38.7 | 38.6 | 39.1 | 39.3 | 39.4 | 39.6 | 39.8 | 39.8 | 39.4 | 39.2 | 39.9 | 38.4 | 38.5  | 38.3 | 38.2 | 38.3 | 34.6 | 35.5  | 39.0 | 0.6    | 24 |
| 標準偏差    | 2.9  | 4.5  | 4.7     | 3.7  | 3.0  | 4.5  | 4.2  | 5.3  | 5.0  | 4.0  | 4.0  | 5.5  | 5.7  | 5.4  | 6.8  | 7.3  | 6.5  | 6.2  | 5.4  | 4.1  | 5.2  | 4.4   | 3.7  | 3.2  | 3.6  | 3.5  | 3.0   | 4.9  | 0.6    | 24 |
| 測定時間    | 31   | 31   | 31      | 31   | 31   | 31   | 31   | 31   | 31   | 30   | 30   | 30   | 30   | 30   | 30   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31   | 31   | 31   | 31   | 31    | 31   | 7.08   |    |
| 有効測定日数  | 30   | 738  | 28780.1 | 65.4 | 34.6 | 39.0 | 50.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5  | 35.5 | 35.5 | 35.5 | 35.5 | 35.5  | 35.5 | 105/01 |    |
| 測定値ラック  | 0    | 6    | 11      | 16   | 21   | 26   | 31   | 36   | 41   | 46   | 51   | 56   | 61   | 66   | 71   | 76   | 81   | 86   | 91   | 96   | 101  | TOTAL |      |      |      |      |       |      |        |    |
| 時間数     | 0    | 0    | 0       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0     | 0    | 738    |    |
| 出現割合(%) | 0    | 0    | 0       | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0    | 0    | 0    | 0     | 0    | 100    |    |

老雷放射線測定所

2017年10月

単位:nGy/h

| 時刻<br>日 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 最大値 | 最小値  | 平均値  | 標準偏差  | 測定時間 |    |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-------|------|----|
| 1       | 424 | 425 | 423 | 427 | 430 | 428 | 430 | 428 | 421 | 418 | 420 | 418 | 421 | 418 | 420 | 418 | 418 | 422 | 423 | 423 | 423 | 422 | 418 | 414 | 430 | 414  | 423  | 0.4   | 24   |    |
| 2       | 414 | 414 | 416 | 416 | 425 | 465 | 510 | 526 | 514 | 494 | 467 | 489 | 526 | 498 | 463 | 453 | 555 | 576 | 580 | 573 | 553 | 482 | 457 | 441 | 580 | 414  | 48.8 | 54    | 24   |    |
| 3       | 428 | 425 | 458 | 522 | 512 | 509 | 512 | 474 | 512 | 555 | 584 | 682 | 588 | 525 | 460 | 421 | 411 | 408 | 422 | 422 | 414 | 412 | 412 | 410 | 682 | 408  | 47.8 | 73    | 24   |    |
| 4       | 410 | 410 | 411 | 409 | 406 | 405 | 406 | 405 | 407 | 404 | 408 | 408 | 408 | 409 | 410 | 410 | 407 | 408 | 408 | 408 | 408 | 407 | 408 | 408 | 411 | 404  | 40.8 | 0.2   | 24   |    |
| 5       | 409 | 408 | 408 | 409 | 410 | 412 | 414 | 414 | 417 | 411 | *** | *** | *** | *** | *** | *** | 406 | 406 | 409 | 409 | 412 | 414 | 414 | 414 | 413 | 417  | 406  | *41.1 | 0.3  | 19 |
| 6       | 411 | 410 | 411 | 403 | 406 | 405 | 404 | 403 | 405 | 437 | 464 | 486 | 473 | 472 | 520 | 538 | 488 | 481 | 546 | 503 | 449 | 423 | 407 | 404 | 546 | 403  | 44.7 | 4.7   | 24   |    |
| 7       | 406 | 405 | 409 | 410 | 411 | 414 | 410 | 410 | 406 | 407 | 407 | 407 | 407 | 407 | 408 | 409 | 406 | 405 | 408 | 404 | 406 | 410 | 415 | 415 | 416 | 404  | 40.9 | 0.3   | 24   |    |
| 8       | 415 | 417 | 419 | 424 | 420 | 421 | 415 | 408 | 407 | 406 | 406 | 404 | 403 | 405 | 405 | 404 | 408 | 405 | 403 | 406 | 409 | 412 | 417 | 417 | 424 | 403  | 41.1 | 0.7   | 24   |    |
| 9       | 420 | 421 | 418 | 424 | 429 | 430 | 432 | 429 | 420 | 411 | 411 | 411 | 415 | 414 | 411 | 414 | 414 | 411 | 411 | 411 | 415 | 412 | 419 | 422 | 432 | 407  | 41.8 | 0.7   | 24   |    |
| 10      | 422 | 421 | 423 | 428 | 428 | 429 | 428 | 428 | 420 | 417 | 419 | 418 | 417 | 419 | 417 | 417 | 416 | 414 | 417 | 420 | 423 | 425 | 429 | 432 | 432 | 414  | 42.2 | 0.5   | 24   |    |
| 11      | 435 | 437 | 433 | 429 | 429 | 431 | 434 | 433 | 428 | 422 | 421 | 423 | 425 | 423 | 422 | 423 | 421 | 424 | 423 | 417 | 410 | 411 | 415 | 422 | 437 | 410  | 42.5 | 0.7   | 24   |    |
| 12      | 422 | 431 | 520 | 518 | 497 | 484 | 505 | 468 | 486 | 500 | 482 | 476 | 479 | 491 | 561 | 603 | 716 | 839 | 856 | 782 | 686 | 619 | 619 | 618 | 856 | 422  | 56.9 | 1.25  | 24   |    |
| 13      | 629 | 589 | 479 | 480 | 519 | 470 | 534 | 566 | 539 | 484 | 426 | 406 | 401 | 401 | 402 | 401 | 401 | 402 | 402 | 406 | 407 | 410 | 413 | 414 | 629 | 401  | 45.8 | 7.0   | 24   |    |
| 14      | 417 | 419 | 419 | 418 | 418 | 419 | 421 | 423 | 422 | 419 | 417 | 409 | 405 | 407 | 407 | 406 | 406 | 404 | 408 | 404 | 410 | 411 | 412 | 415 | 429 | 429  | 404  | 41.4  | 0.7  | 24 |
| 15      | 436 | 420 | 415 | 459 | 506 | 552 | 515 | 517 | 485 | 480 | 532 | 489 | 473 | 457 | 455 | 449 | 446 | 433 | 419 | 426 | 501 | 528 | 511 | 478 | 552 | 415  | 47.4 | 4.0   | 24   |    |
| 16      | 470 | 480 | 476 | 481 | 457 | 475 | 461 | 476 | 504 | 497 | 474 | 513 | 493 | 446 | 446 | 451 | 418 | 406 | 406 | 406 | 409 | 412 | 430 | 444 | 513 | 406  | 45.6 | 3.3   | 24   |    |
| 17      | 455 | 444 | 445 | 497 | 522 | 463 | 431 | 417 | 407 | 406 | 405 | 403 | 402 | 403 | 403 | 404 | 403 | 401 | 401 | 401 | 400 | 401 | 400 | 399 | 522 | 399  | 42.1 | 3.3   | 24   |    |
| 18      | 401 | 400 | 400 | 403 | 403 | 403 | 404 | 405 | 405 | 407 | 406 | 405 | 405 | 405 | 405 | 404 | 403 | 405 | 407 | 409 | 416 | 433 | 470 | 506 | 506 | 400  | 41.3 | 2.5   | 24   |    |
| 19      | 499 | 481 | 495 | 520 | 517 | 515 | 509 | 512 | 507 | 470 | 434 | 430 | 428 | 419 | 410 | 412 | 418 | 412 | 423 | 457 | 466 | 473 | 486 | 473 | 520 | 410  | 46.5 | 3.9   | 24   |    |
| 20      | 479 | 468 | 476 | 454 | 442 | 431 | 415 | 416 | 406 | 402 | 400 | 403 | 400 | 401 | 407 | 406 | 403 | 402 | 404 | 402 | 405 | 528 | 511 | 478 | 552 | 400  | 41.8 | 2.6   | 24   |    |
| 21      | 404 | 420 | 421 | 414 | 407 | 413 | 426 | 411 | 409 | 428 | 444 | 445 | 446 | 447 | 439 | 432 | 431 | 431 | 459 | 466 | 458 | 448 | 448 | 442 | 466 | 404  | 43.4 | 1.8   | 24   |    |
| 22      | 440 | 438 | 449 | 472 | 474 | 480 | 481 | 492 | 508 | 526 | 533 | 587 | 610 | 629 | 626 | 649 | 655 | 661 | 669 | 676 | 666 | 618 | 588 | 634 | 676 | 438  | 56.5 | 8.4   | 24   |    |
| 23      | 659 | 688 | *** | 641 | 630 | 618 | 591 | 620 | 630 | 570 | 537 | 453 | 409 | 401 | 401 | 414 | 450 | 419 | 405 | 401 | 399 | 401 | 400 | 400 | 688 | 399  | 50.2 | 10.9  | 23   |    |
| 24      | 401 | 400 | 401 | 400 | 402 | 402 | 402 | 402 | 403 | 402 | 403 | 403 | 402 | 403 | 401 | 402 | 403 | 402 | 408 | 426 | 453 | 459 | 478 | 514 | 514 | 400  | 41.5 | 3.0   | 24   |    |
| 25      | 561 | 569 | 574 | 510 | 478 | 438 | 418 | 410 | 415 | 464 | 467 | 447 | 421 | 406 | 400 | 399 | 399 | 397 | 412 | 400 | 398 | 398 | 397 | 397 | 574 | 397  | 44.6 | 5.7   | 24   |    |
| 26      | 397 | 400 | 396 | 399 | 399 | 400 | 399 | 398 | 399 | 400 | 400 | 400 | 400 | 400 | 401 | 401 | 401 | 400 | 401 | 404 | 407 | 411 | 413 | 416 | 416 | 396  | 40.2 | 0.5   | 24   |    |
| 27      | 417 | 420 | 421 | 424 | 424 | 424 | 423 | 423 | 413 | 409 | 409 | 411 | 410 | 408 | 408 | 407 | 406 | 408 | 408 | 408 | 410 | 412 | 410 | 408 | 406 | 424  | 406  | 41.3  | 0.7  | 24 |
| 28      | 406 | 404 | 404 | 405 | 406 | 407 | 407 | 412 | 423 | 421 | 410 | 414 | 418 | 410 | 409 | 418 | 411 | 414 | 418 | 412 | 408 | 409 | 409 | 417 | 423 | 404  | 41.1 | 0.5   | 24   |    |
| 29      | 429 | 430 | 450 | 473 | 467 | 473 | 485 | 460 | 425 | 437 | 454 | 454 | 452 | 468 | 474 | 472 | 453 | 427 | 429 | 413 | 434 | 444 | 454 | 425 | 485 | 413  | 44.9 | 2.0   | 24   |    |
| 30      | 457 | 536 | 615 | 594 | 478 | 429 | 410 | 406 | 403 | 402 | 400 | 399 | 399 | 401 | 399 | 401 | 401 | 399 | 398 | 399 | 400 | 399 | 397 | 398 | 615 | 397  | 43.0 | 6.3   | 24   |    |
| 31      | 399 | 400 | 398 | 399 | 399 | 415 | 422 | 424 | 417 | 405 | 401 | 397 | 400 | 398 | 398 | 399 | 397 | 397 | 400 | 403 | 408 | 412 | 414 | 416 | 424 | 397  | 40.5 | 0.9   | 24   |    |
| 最大値     | 659 | 688 | 615 | 641 | 630 | 618 | 591 | 620 | 630 | 570 | 584 | 662 | 610 | 629 | 626 | 649 | 716 | 839 | 856 | 782 | 686 | 619 | 619 | 634 | 856 | 569  | 56.9 |       |      |    |
| 最小値     | 397 | 400 | 396 | 399 | 399 | 400 | 399 | 398 | 399 | 400 | 400 | 397 | 399 | 398 | 398 | 399 | 397 | 397 | 398 | 399 | 398 | 398 | 397 | 397 | 397 | 396  | 40.2 |       |      |    |
| 平均値     | 444 | 446 | 443 | 454 | 450 | 447 | 446 | 444 | 444 | 442 | 441 | 442 | 438 | 433 | 433 | 434 | 440 | 442 | 445 | 442 | 441 | 437 | 437 | 440 | 440 | 44.2 | 44.2 |       |      |    |
| 標準偏差    | 63  | 65  | 52  | 59  | 53  | 50  | 49  | 54  | 55  | 48  | 49  | 62  | 54  | 50  | 53  | 59  | 74  | 92  | 97  | 85  | 71  | 56  | 53  | 58  | 58  | 6.2  | 6.2  |       |      |    |
| 測定時間    | 31  | 31  | 30  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 30  | 30  | 30  | 30  | 30  | 30  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31   |      |       | 738  |    |

|        |    |      |     |       |         |          |      |          |      |     |      |          |    |          |     |          |      |          |      |          |        |
|--------|----|------|-----|-------|---------|----------|------|----------|------|-----|------|----------|----|----------|-----|----------|------|----------|------|----------|--------|
| 有効測定日数 | 30 | 測定時間 | 738 | 測定値合計 | 32621.5 | 1時間間の最大値 | 85.6 | 1時間間の最小値 | 39.6 | 平均値 | 44.2 | 1時間間の最大値 | 96 | 1時間間の最小値 | 101 | 日平均値の最大値 | 56.9 | 日平均値の最小値 | 40.2 | 局番/項目コード | 106/01 |
|--------|----|------|-----|-------|---------|----------|------|----------|------|-----|------|----------|----|----------|-----|----------|------|----------|------|----------|--------|

|         |   |   |    |    |    |    |    |    |        |        |        |       |       |       |       |       |       |       |    |    |     |       |     |
|---------|---|---|----|----|----|----|----|----|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|-----|-------|-----|
| 測定値ランク  | 0 | 6 | 11 | 16 | 21 | 26 | 31 | 36 | 41     | 46     | 51     | 56    | 61    | 66    | 71    | 76    | 81    | 86    | 91 | 96 | 101 | TOTAL |     |
| 時間数     | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 266    | 302    | 87     | 37    | 18    | 7     | 1     | 1     | 2     | 0     | 0  | 0  | 0   | 0     | 738 |
| 出現割合(%) | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 36.043 | 40.921 | 11.789 | 5.014 | 2.439 | 2.304 | 0.949 | 0.136 | 0.136 | 0.271 | 0  | 0  | 0   | 0     | 100 |

| 時刻<br>日 | 1    | 2    | 3     | 4       | 5       | 6    | 7    | 8      | 9       | 10    | 11       | 12    | 13       | 14    | 15    | 16   | 17       | 18    | 19       | 20   | 21   | 22     | 23   | 24   | 最大値  | 最小値  | 平均値   | 標準偏差 | 測定時間 |    |
|---------|------|------|-------|---------|---------|------|------|--------|---------|-------|----------|-------|----------|-------|-------|------|----------|-------|----------|------|------|--------|------|------|------|------|-------|------|------|----|
| 1       | 41.8 | 42.0 | 42.3  | 42.4    | 42.6    | 42.8 | 43.3 | 42.9   | 41.7    | 41.1  | 41.0     | 41.3  | 41.4     | 41.1  | ***   | ***  | 41.3     | 41.1  | 41.5     | 41.6 | 41.9 | 42.0   | 42.0 | 42.4 | 43.3 | 41.0 | 41.9  | 0.7  | 22   |    |
| 2       | 42.3 | 42.4 | 42.3  | 42.4    | 42.7    | 43.4 | 43.4 | 43.7   | 43.2    | 42.6  | 41.7     | 41.1  | 41.6     | 41.5  | 41.3  | 41.0 | 40.8     | 40.8  | 40.7     | 41.1 | 41.4 | 41.5   | 42.0 | 42.3 | 43.7 | 40.7 | 40.7  | 0.9  | 24   |    |
| 3       | 42.3 | 42.5 | 42.7  | 43.0    | 43.1    | 43.1 | 43.6 | 43.8   | 43.1    | 41.8  | 41.4     | 40.9  | 40.8     | 41.1  | 41.1  | 40.8 | 40.5     | 40.6  | 40.8     | 41.1 | 41.4 | 41.3   | 41.6 | 41.9 | 43.8 | 40.5 | 41.9  | 1.0  | 24   |    |
| 4       | 42.1 | 42.3 | 42.5  | 42.5    | 42.3    | 43.3 | 43.5 | 43.5   | 42.4    | 42.4  | 46.6     | 55.4  | 63.3     | 62.0  | 59.7  | 52.9 | 58.1     | 52.9  | 56.1     | 49.4 | 48.8 | 43.5   | 41.1 | 40.3 | 63.3 | 40.3 | 49.8  | 7.4  | 24   |    |
| 5       | 39.9 | 39.8 | 39.9  | 39.9    | 39.9    | 40.1 | 40.1 | 40.2   | 40.0    | 39.8  | 40.0     | 40.0  | 40.0     | 40.0  | 40.1  | 39.9 | 39.9     | 40.0  | 40.4     | 40.6 | 40.9 | 41.2   | 41.3 | 42.3 | 42.3 | 39.8 | 40.3  | 0.6  | 24   |    |
| 6       | 42.7 | 42.7 | 42.8  | 43.0    | 43.2    | 43.2 | 42.8 | 41.7   | 40.9    | 40.8  | 40.8     | 40.8  | 41.0     | 41.0  | 41.1  | 40.8 | 40.4     | 40.7  | 41.1     | 41.2 | 41.3 | 41.6   | 41.6 | 41.5 | 43.2 | 40.4 | 41.6  | 0.9  | 24   |    |
| 7       | 41.8 | 41.6 | 41.7  | 41.8    | 42.0    | 41.9 | 42.3 | 42.2   | 41.1    | 40.8  | 40.9     | 40.9  | 40.9     | 41.0  | 41.0  | 40.9 | 41.1     | 41.4  | 41.6     | 41.6 | 41.2 | 41.3   | 41.7 | 41.6 | 42.3 | 40.8 | 41.4  | 0.4  | 24   |    |
| 8       | 41.8 | 41.8 | 42.1  | 42.2    | 42.1    | 43.0 | 43.1 | 42.6   | 42.2    | 43.0  | 42.7     | 41.4  | 41.2     | 41.3  | 41.1  | 41.3 | 41.2     | 41.0  | 41.9     | 41.2 | 40.9 | 40.9   | 41.8 | 41.3 | 43.1 | 40.9 | 41.8  | 0.7  | 24   |    |
| 9       | 40.7 | 40.8 | 41.1  | 41.1    | 41.0    | 41.2 | 41.5 | 43.8   | 42.6    | 42.0  | 41.9     | 41.7  | 41.8     | 41.8  | 41.6  | 41.6 | 41.3     | 41.0  | 40.9     | 41.1 | 40.8 | 41.0   | 40.8 | 41.1 | 43.8 | 40.7 | 41.4  | 0.7  | 24   |    |
| 10      | 40.9 | 41.7 | 42.7  | 43.2    | 44.2    | 44.0 | 43.9 | 44.1   | 43.4    | 43.5  | 43.4     | 42.3  | 41.9     | 41.6  | 41.7  | 41.7 | 41.3     | 41.3  | 41.2     | 41.3 | 41.2 | 41.1   | 41.1 | 44.2 | 40.9 | 42.3 | 1.1   | 24   |      |    |
| 11      | 41.4 | 42.4 | 47.3  | 46.9    | 44.7    | 45.9 | 43.0 | 41.3   | 41.0    | 49.3  | 56.2     | 51.8  | 46.4     | 44.7  | 42.4  | 42.9 | 64.4     | 58.4  | 52.2     | 48.2 | 43.6 | 42.7   | 41.6 | 40.8 | 64.4 | 40.8 | 46.6  | 6.1  | 24   |    |
| 12      | 40.6 | 40.4 | 40.6  | 40.5    | 40.4    | 40.3 | 40.3 | 40.2   | 40.2    | 40.3  | 40.2     | 40.4  | 40.4     | 40.4  | 40.4  | 40.3 | 40.4     | 40.3  | 40.5     | 40.7 | 41.3 | 41.5   | 42.4 | 42.8 | 42.8 | 40.2 | 40.7  | 0.7  | 24   |    |
| 13      | 42.7 | 43.3 | 43.8  | 43.9    | 44.0    | 43.9 | 44.7 | 45.4   | 45.6    | 45.6  | ***      | ***   | ***      | ***   | ***   | ***  | ***      | ***   | 41.5     | 41.3 | 41.5 | 41.2   | 41.2 | 41.4 | 45.6 | 41.2 | *43.0 | 1.6  | 15   |    |
| 14      | 41.9 | 42.2 | 42.2  | 43.2    | 44.3    | 51.3 | 56.0 | 58.1   | 53.8    | 55.1  | 55.4     | 54.4  | 51.2     | 44.5  | 42.8  | 42.2 | 41.8     | 41.8  | 42.0     | 42.4 | 42.6 | 42.8   | 42.7 | 42.8 | 58.1 | 41.8 | 46.6  | 6.0  | 24   |    |
| 15      | 42.6 | 42.4 | 42.3  | 42.8    | 43.1    | 43.0 | 43.0 | 43.1   | 42.9    | 42.1  | 41.6     | 41.5  | 41.3     | 41.0  | 41.0  | 41.0 | 40.6     | 41.0  | 40.7     | 41.3 | 42.1 | 42.2   | 42.6 | 42.7 | 43.1 | 40.6 | 42.0  | 0.9  | 24   |    |
| 16      | 42.2 | 42.3 | 41.9  | 41.9    | 41.7    | 41.1 | 41.2 | 41.2   | 42.8    | 42.5  | 41.7     | 41.2  | 41.1     | 40.9  | 41.0  | 40.9 | 40.9     | 40.9  | 40.9     | 41.3 | 44.8 | 46.1   | 48.1 | 48.0 | 48.1 | 40.9 | 42.4  | 1.9  | 24   |    |
| 17      | 42.0 | 42.1 | 42.4  | 42.8    | 43.3    | 43.0 | 43.9 | 43.7   | 43.0    | ***   | ***      | ***   | ***      | ***   | ***   | 41.4 | 41.2     | 41.2  | 41.6     | 41.6 | 41.5 | 41.1   | 41.3 | 41.5 | 43.9 | 41.1 | *42.1 | 0.9  | 19   |    |
| 18      | 41.5 | 41.4 | 41.7  | 44.5    | 45.3    | 44.9 | 45.6 | 46.1   | 46.3    | 47.1  | 48.6     | 48.6  | 45.5     | 42.7  | 46.6  | 58.6 | 71.2     | 83.8  | 81.2     | 83.5 | 87.1 | 87.8   | 74.9 | 67.6 | 87.8 | 41.4 | 57.2  | 1.71 | 24   |    |
| 19      | 58.6 | 50.8 | 48.1  | 49.1    | 47.2    | 47.7 | 46.1 | 49.5   | 47.3    | 48.9  | 47.7     | 47.8  | 46.2     | 44.4  | 44.6  | 48.6 | 51.8     | 62.3  | 68.1     | 61.7 | 49.7 | 44.5   | 43.2 | 42.4 | 68.1 | 42.4 | 49.9  | 6.4  | 24   |    |
| 20      | 42.2 | 42.0 | 41.7  | 41.6    | 41.1    | 41.6 | 42.7 | 42.6   | 42.2    | 42.1  | 42.1     | 42.6  | 42.8     | 42.3  | 41.7  | 41.7 | 41.4     | 41.5  | 43.6     | 49.3 | 55.3 | 61.3   | 55.2 | 56.3 | 61.3 | 41.1 | 44.9  | 5.9  | 24   |    |
| 21      | 53.6 | 48.7 | 45.3  | 42.9    | 43.5    | 42.6 | 47.5 | 47.5   | 50.7    | 50.4  | 47.9     | 44.1  | 42.8     | 41.7  | 41.1  | 40.9 | 40.8     | 40.8  | 41.4     | 42.0 | 42.6 | 43.2   | 43.2 | 43.4 | 53.6 | 40.8 | 44.5  | 3.6  | 24   |    |
| 22      | 43.4 | 43.1 | 42.9  | 42.5    | 42.7    | 42.8 | 42.6 | 42.9   | 42.8    | 42.1  | 41.1     | 40.9  | 40.7     | 41.8  | 42.0  | 42.2 | 46.3     | 48.0  | 51.0     | 53.9 | 54.1 | 52.6   | 50.3 | 51.0 | 54.1 | 40.7 | 45.2  | 4.5  | 24   |    |
| 23      | 48.6 | 47.8 | 45.9  | 44.3    | 42.8    | 42.4 | 42.4 | 41.5   | 41.7    | 42.0  | 41.7     | 42.3  | 43.5     | 44.8  | 50.1  | 52.6 | 49.7     | 44.5  | 46.3     | 47.7 | 44.1 | 43.1   | 42.2 | 42.0 | 52.6 | 41.5 | 44.8  | 3.1  | 24   |    |
| 24      | 42.5 | 41.9 | 42.0  | 42.0    | 41.9    | 41.9 | 42.3 | 42.5   | 41.8    | 41.5  | 41.4     | 41.3  | 41.4     | 41.4  | 41.3  | 41.3 | 40.9     | 40.8  | 40.9     | 41.4 | 41.8 | 41.8   | 42.0 | 42.4 | 42.5 | 40.8 | 41.7  | 0.5  | 24   |    |
| 25      | 42.3 | 42.6 | 43.1  | 42.4    | 41.5    | 41.3 | 41.5 | 41.7   | 41.9    | 41.3  | 41.1     | 40.9  | 40.9     | 41.0  | 40.7  | 40.9 | 40.8     | 41.0  | 41.6     | 42.1 | 42.0 | 41.7   | 41.4 | 41.3 | 43.1 | 40.7 | 41.5  | 0.6  | 24   |    |
| 26      | 41.4 | 41.2 | 41.3  | 41.4    | 41.3    | 41.3 | 41.0 | 41.0   | 41.1    | 41.1  | 41.1     | 41.3  | 41.3     | 41.3  | 41.3  | 41.6 | 41.3     | 41.5  | 42.2     | 42.3 | 42.0 | 41.7   | 44.0 | 43.9 | 44.0 | 41.0 | 41.7  | 0.9  | 24   |    |
| 27      | 42.2 | 41.5 | 42.5  | 41.8    | 41.3    | 41.0 | 41.1 | 41.7   | 41.5    | 41.6  | 42.0     | 41.5  | 41.3     | 41.2  | 41.4  | 41.3 | 41.3     | 41.1  | 41.1     | 41.5 | 41.9 | 42.1   | 42.4 | 42.5 | 42.5 | 41.0 | 41.6  | 0.5  | 24   |    |
| 28      | 43.2 | 43.2 | 43.4  | 43.5    | 43.7    | 43.7 | 43.6 | 44.4   | 44.4    | 44.4  | 44.1     | 42.5  | 41.7     | 41.6  | 41.8  | 41.7 | 41.3     | 41.0  | 41.4     | 41.6 | 41.6 | 42.0   | 41.8 | 42.0 | 41.9 | 44.4 | 41.0  | 42.5 | 1.1  | 24 |
| 29      | 41.8 | 42.0 | 42.0  | 41.9    | 41.4    | 41.8 | 42.3 | 47.4   | 46.4    | 47.1  | 45.3     | 43.1  | 41.5     | 41.7  | 41.5  | 42.0 | 41.6     | 41.2  | 41.5     | 41.8 | 42.2 | 42.2   | 42.4 | 43.0 | 47.4 | 41.2 | 42.7  | 1.8  | 24   |    |
| 30      | 43.7 | 45.6 | 45.1  | 43.7    | 42.5    | 42.9 | 51.0 | 55.2   | 47.3    | 43.3  | 41.6     | 41.9  | 43.7     | 46.3  | 52.8  | 53.7 | 46.3     | 42.4  | 42.1     | 43.6 | 42.0 | 41.1   | 40.9 | 40.5 | 55.2 | 40.5 | 45.0  | 4.2  | 24   |    |
| 31      | 58.6 | 50.8 | 48.1  | 49.1    | 47.2    | 51.3 | 56.0 | 58.1   | 53.8    | 55.1  | 56.2     | 55.4  | 63.3     | 62.0  | 59.7  | 60.4 | 71.2     | 83.8  | 81.2     | 83.5 | 87.1 | 87.8   | 74.9 | 67.6 | 87.8 | 41.0 | 57.2  | 1.71 | 24   |    |
| 最大値     | 39.9 | 39.8 | 39.9  | 39.9    | 39.9    | 40.1 | 40.1 | 40.2   | 40.0    | 39.8  | 40.0     | 40.0  | 40.0     | 40.0  | 40.1  | 39.9 | 40.1     | 40.0  | 40.4     | 40.6 | 40.8 | 40.9   | 40.8 | 40.3 | 39.8 | 40.3 | 40.3  | 56   |      |    |
| 最小値     | 42.8 | 42.8 | 42.8  | 42.8    | 42.7    | 43.0 | 43.9 | 44.4   | 43.7    | 44.0  | 43.5     | 43.3  | 43.1     | 42.7  | 43.0  | 43.7 | 44.5     | 44.7  | 45.0     | 45.1 | 44.8 | 44.8   | 44.8 | 43.9 | 43.6 | 43.7 | 43.7  | 43.7 |      |    |
| 平均値     | 39   | 2.4  | 1.8   | 1.8     | 1.5     | 2.2  | 3.7  | 4.1    | 3.2     | 4.1   | 4.2      | 4.2   | 4.6      | 4.1   | 4.4   | 5.6  | 7.7      | 9.3   | 9.1      | 8.7  | 8.8  | 9.1    | 6.6  | 5.5  | 5.5  | 5.5  | 5.6   | 56   |      |    |
| 測定時間    | 30   | 30   | 30    | 30      | 30      | 30   | 30   | 30     | 30      | 30    | 28       | 28    | 28       | 28    | 28    | 28   | 28       | 28    | 28       | 30   | 30   | 30     | 30   | 30   | 30   | 30   | 30    | 704  |      |    |
| 有効測定日数  | 28   | 704  | 測定値合計 | 30778.5 | 測定値の最小値 | 39.8 | 平均値  | 43.7   | 測定値の最大値 | 57.2  | 日平均値の最大値 | 57.2  | 日平均値の最小値 | 40.3  | 日平均値  | 40.3 | 日平均値の最大値 | 57.2  | 日平均値の最小値 | 40.3 | 測定日数 | 106/01 |      |      |      |      |       |      |      |    |
| 測定値ランク  | 0    | 6    | 11    | 16      | 21      | 26   | 31   | 36     | 41      | 46    | 51       | 56    | 61       | 66    | 71    | 76   | 81       | 86    | 91       | 96   | 101  | TOTAL  |      |      |      |      |       |      |      |    |
| 時間数     | 0    | 0    | 0     | 0       | 0       | 0    | 0    | 102    | 496     | 57    | 23       | 11    | 6        | 2     | 2     | 0    | 3        | 2     | 0        | 0    | 0    | 0      | 704  |      |      |      |       |      |      |    |
| 出現割合(%) | 0    | 0    | 0     | 0       | 0       | 0    | 0    | 14.489 | 70.455  | 8.097 | 3.267    | 1.563 | 0.852    | 0.284 | 0.284 | 0    | 0.426    | 0.284 | 0        | 0    | 0    | 0      | 100  |      |      |      |       |      |      |    |

老富放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日  | 1   | 2   | 3   | 4   | 5    | 6   | 7   | 8   | 9   | 10     | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 最大値 | 最小値 | 平均値   | 標準偏差 | 測定時間 |  |  |
|----------|-----|-----|-----|-----|------|-----|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|------|--|--|
| 1        | 406 | 408 | 412 | 413 | 414  | 415 | 417 | 419 | 425 | 462    | 497 | 524 | 508 | 487 | 490 | 463 | 455 | 437 | 413 | 412 | 416 | 417 | 420 | 413 | 524 | 406 | 439   | 37   | 24   |  |  |
| 2        | 409 | 408 | 408 | 413 | 416  | 421 | 426 | 429 | 428 | 423    | 418 | 412 | 412 | 409 | 409 | 407 | 407 | 410 | 415 | 420 | 421 | 423 | 426 | 428 | 429 | 407 | 41.7  | 08   | 24   |  |  |
| 3        | 428 | 434 | 436 | 440 | 446  | 442 | 447 | 450 | 446 | 430    | 417 | 418 | 416 | 409 | 409 | 410 | 410 | 412 | 413 | 419 | 421 | 424 | 425 | 433 | 450 | 409 | 42.7  | 14   | 24   |  |  |
| 4        | 435 | 435 | 438 | 437 | 435  | 432 | 445 | 445 | 450 | 440    | 432 | 430 | 425 | 426 | 436 | 447 | 460 | 455 | 437 | 427 | 420 | 444 | 433 | 424 | 460 | 420 | 43.7  | 10   | 24   |  |  |
| 5        | 421 | 421 | 416 | 419 | 414  | 418 | 428 | 428 | 425 | 421    | 418 | 420 | 415 | 413 | 410 | 409 | 407 | 407 | 409 | 408 | 408 | 410 | 413 | 412 | 428 | 407 | 41.5  | 06   | 24   |  |  |
| 6        | 415 | 413 | 415 | 416 | 419  | 433 | 457 | 438 | 425 | 417    | 413 | 414 | 412 | 410 | 410 | 411 | 414 | 417 | 412 | 410 | 415 | 423 | 429 | 431 | 457 | 410 | 41.9  | 11   | 24   |  |  |
| 7        | 431 | 434 | 435 | 437 | 442  | 441 | 444 | 443 | 442 | 429    | 421 | 419 | 420 | 414 | 412 | 413 | 414 | 418 | 421 | 426 | 431 | 432 | 434 | 435 | 444 | 412 | 42.9  | 11   | 24   |  |  |
| 8        | 431 | 428 | 433 | 436 | 429  | 426 | 435 | 508 | 512 | 449    | 424 | 429 | 505 | 518 | 645 | 740 | 582 | 583 | 544 | 514 | 497 | 551 | 588 | 526 | 740 | 424 | 50.3  | 79   | 24   |  |  |
| 9        | 609 | 610 | 533 | 448 | 423  | 421 | 419 | 417 | 414 | 412    | 415 | 419 | 421 | 421 | 420 | 420 | 417 | 419 | 424 | 429 | 428 | 431 | 430 | 426 | 610 | 412 | 44.3  | 57   | 24   |  |  |
| 10       | 426 | 428 | 433 | 435 | 432  | 437 | 435 | 432 | 425 | 414    | 410 | 416 | 419 | 415 | 416 | 413 | 411 | 412 | 413 | 414 | 413 | 415 | 415 | 413 | 437 | 410 | 42.1  | 09   | 24   |  |  |
| 11       | 413 | 414 | 412 | 413 | 415  | 417 | 419 | 513 | 503 | 441    | 422 | 417 | 413 | 414 | 410 | 411 | 408 | 410 | 408 | 411 | 412 | 416 | 413 | 409 | 513 | 408 | 42.2  | 27   | 24   |  |  |
| 12       | 410 | 413 | 419 | 416 | 412  | 418 | 426 | 426 | 424 | 426    | 423 | 424 | 422 | 419 | 415 | 416 | 413 | 414 | 415 | 414 | 412 | 413 | 414 | 416 | 426 | 410 | 41.8  | 05   | 24   |  |  |
| 13       | 418 | 418 | 419 | 420 | 422  | 419 | 419 | 420 | 423 | ***    | *** | *** | *** | *** | *** | 524 | 521 | 538 | 539 | 493 | 455 | 451 | 466 | 503 | 539 | 418 | *45.9 | 47   | 18   |  |  |
| 14       | 466 | 492 | 441 | 425 | 397  | 386 | 384 | 391 | 416 | 429    | 425 | 430 | 389 | 412 | 412 | 393 | 384 | 385 | 385 | 397 | 399 | 398 | 406 | 423 | 482 | 384 | 41.2  | 27   | 24   |  |  |
| 15       | 412 | 408 | 403 | 409 | 413  | 416 | 424 | 428 | 416 | 409    | 404 | 403 | 400 | 397 | 399 | 398 | 401 | 401 | 419 | 421 | 421 | 423 | 417 | 413 | 428 | 397 | 41.0  | 09   | 24   |  |  |
| 16       | 411 | 412 | 420 | 421 | 415  | 417 | 418 | 421 | 418 | 412    | 411 | 415 | 414 | 414 | 412 | 416 | 417 | 436 | 423 | 413 | 409 | 409 | 409 | 412 | 436 | 409 | 41.6  | 06   | 24   |  |  |
| 17       | 421 | 446 | 517 | 476 | 453  | 458 | 490 | 501 | 548 | 568    | 547 | 600 | 637 | 540 | 565 | 477 | 430 | 410 | 402 | 397 | 396 | 399 | 409 | 405 | 637 | 396 | 47.9  | 72   | 24   |  |  |
| 18       | 405 | 404 | 408 | 410 | 412  | 413 | 413 | 416 | 414 | 412    | 412 | 411 | 409 | 409 | 403 | 403 | 403 | 400 | 403 | 411 | 414 | 412 | 412 | 412 | 416 | 400 | 41.0  | 04   | 24   |  |  |
| 19       | 410 | 410 | 410 | 411 | 412  | 413 | 415 | 415 | 414 | 411    | 424 | 534 | 550 | 542 | 545 | 547 | 564 | 528 | 479 | 446 | 429 | 415 | 415 | 415 | 564 | 410 | 45.6  | 60   | 24   |  |  |
| 20       | 414 | 416 | 417 | 419 | 423  | 428 | 433 | 431 | 431 | 425    | 417 | 412 | 410 | 413 | 410 | 408 | 405 | 410 | 413 | 420 | 421 | 426 | 431 | 431 | 433 | 405 | 41.9  | 09   | 24   |  |  |
| 21       | 431 | 432 | 426 | 423 | 422  | 424 | 423 | 429 | 426 | 415    | 411 | 407 | 406 | 405 | 406 | 408 | 406 | 405 | 411 | 417 | 421 | 422 | 427 | 428 | 432 | 403 | 41.8  | 10   | 24   |  |  |
| 22       | 428 | 434 | 437 | 436 | 438  | 436 | 434 | 435 | 428 | 417    | 415 | 418 | 420 | 418 | 412 | 408 | 407 | 411 | 415 | 420 | 424 | 429 | 432 | 435 | 438 | 407 | 42.4  | 10   | 24   |  |  |
| 23       | 437 | 436 | 437 | 438 | 432  | 432 | 429 | 429 | 426 | 417    | 415 | 414 | 413 | 414 | 414 | 413 | 414 | 414 | 415 | 420 | 421 | 423 | 428 | 428 | 438 | 413 | 42.3  | 09   | 24   |  |  |
| 24       | 433 | 432 | 434 | 439 | 446  | 444 | 436 | 437 | 437 | 432    | 420 | 416 | 415 | 414 | 413 | 413 | 417 | 435 | 460 | 474 | 481 | 484 | 470 | 472 | 484 | 413 | 44.0  | 23   | 24   |  |  |
| 25       | 446 | 423 | 415 | 414 | 4377 | 536 | 546 | 661 | 685 | 588    | 570 | 639 | 665 | 651 | 717 | 712 | 658 | 608 | 610 | 527 | 517 | 495 | 454 | 454 | 717 | 414 | 56.0  | 102  | 24   |  |  |
| 26       | 445 | 430 | 445 | 425 | 419  | 419 | 418 | 420 | 416 | 417    | 420 | 416 | 423 | 437 | 425 | 429 | 438 | 473 | 458 | 507 | 601 | 641 | 632 | 589 | 641 | 416 | 46.4  | 73   | 24   |  |  |
| 27       | 539 | 530 | 558 | 529 | 526  | 586 | 615 | 536 | 430 | 401    | 410 | 402 | 418 | 483 | 495 | 567 | 552 | 473 | 450 | 401 | 386 | 362 | 362 | 381 | 615 | 362 | 47.5  | 78   | 24   |  |  |
| 28       | 376 | 353 | 354 | 368 | 373  | 348 | 340 | 345 | 343 | 353    | 349 | 357 | 364 | 359 | 362 | 347 | 339 | 334 | 335 | 342 | 349 | 350 | 355 | 357 | 376 | 334 | 35.2  | 11   | 24   |  |  |
| 29       | 361 | 363 | 361 | 362 | 359  | 359 | 362 | 360 | 365 | 365    | 365 | 384 | 406 | 399 | 394 | 410 | 447 | 439 | 491 | 428 | 384 | 363 | 364 | 361 | 491 | 359 | 38.5  | 35   | 24   |  |  |
| 30       | 358 | 358 | 357 | 356 | 358  | 358 | 358 | 357 | 358 | 359    | 357 | 358 | 358 | 361 | 360 | 362 | 364 | 367 | 370 | 376 | 384 | 384 | 387 | 390 | 390 | 356 | 36.5  | 11   | 24   |  |  |
| 31       | 392 | 399 | 398 | 400 | 403  | 401 | 400 | 405 | 396 | 384    | 380 | 380 | 385 | 395 | 411 | 395 | 393 | 396 | 398 | 391 | 393 | 399 | 401 | 400 | 411 | 380 | 39.6  | 08   | 24   |  |  |
| 最大値      | 609 | 610 | 558 | 529 | 526  | 586 | 615 | 661 | 685 | 588    | 570 | 639 | 665 | 651 | 717 | 740 | 658 | 608 | 610 | 527 | 601 | 641 | 632 | 589 | 740 | 560 |       |      |      |  |  |
| 最小値      | 358 | 353 | 354 | 356 | 358  | 348 | 340 | 345 | 343 | 353    | 349 | 357 | 358 | 359 | 360 | 347 | 339 | 334 | 335 | 342 | 349 | 350 | 355 | 357 | 376 | 334 | 35.2  |      |      |  |  |
| 平均値      | 427 | 427 | 427 | 423 | 421  | 426 | 431 | 438 | 436 | 426    | 422 | 431 | 437 | 434 | 441 | 445 | 437 | 433 | 432 | 426 | 426 | 429 | 429 | 428 | 428 | 430 | 43.0  |      |      |  |  |
| 標準偏差     | 46  | 47  | 43  | 31  | 30   | 44  | 50  | 58  | 61  | 48     | 45  | 62  | 72  | 60  | 79  | 89  | 68  | 56  | 54  | 39  | 46  | 55  | 52  | 45  | 54  | 5.4 |       |      |      |  |  |
| 測定時間     | 31  | 31  | 31  | 31  | 31   | 31  | 31  | 31  | 31  | 30     | 30  | 30  | 30  | 30  | 30  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  |       |      |      |  |  |
| 有効測定日数   | 30  |     |     |     |      |     |     |     |     | 317697 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 測定時間     |     |     |     |     |      |     |     |     |     | 738    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 次測定時間    |     |     |     |     |      |     |     |     |     | 6      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 測定時間数    |     |     |     |     |      |     |     |     |     | 31     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 測定値合計    |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 1時間値の最大値 |     |     |     |     |      |     |     |     |     | 41     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 1時間値の最小値 |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 平均値      |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 日平均値の最大値 |     |     |     |     |      |     |     |     |     | 41     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 日平均値の最小値 |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 日平均値     |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| TOTAL    |     |     |     |     |      |     |     |     |     | 36     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 測定値ランク   |     |     |     |     |      |     |     |     |     | 31     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 時間数      |     |     |     |     |      |     |     |     |     | 0      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 出現割合(%)  |     |     |     |     |      |     |     |     |     | 0      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |
| 局番/項目コード |     |     |     |     |      |     |     |     |     | 106/01 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |       |      |      |  |  |





単位:nGy/h

2017年11月

日出放射線測定所

| 時刻<br>日 | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 最大値  | 最小値  | 平均値  | 標準偏差  | 測定時間 |    |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|----|
| 1       | *** | *** | *** | *** | *** | *** | *** | *** | *** | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***   | ***  |    |
| 2       | *** | *** | *** | *** | *** | *** | *** | *** | *** | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***   | ***  |    |
| 3       | 358 | 358 | 358 | 359 | 359 | 361 | 362 | 363 | 363 | 363  | 364  | 362  | 363  | 360  | 358  | 355  | 354  | 353  | 356  | 357  | 359  | 360  | 362  | 358  | 364  | 353  | 359  | 0.3   | 24   |    |
| 4       | 358 | 360 | 363 | 370 | 394 | 386 | 402 | 418 | 405 | 392  | 42.1 | 61.6 | 62.6 | 48.5 | 42.6 | 47.8 | 40.4 | 44.7 | 41.1 | 38.6 | 35.9 | 35.1 | 34.9 | 34.9 | 62.6 | 34.9 | 41.5 | 7.4   | 24   |    |
| 5       | 348 | 349 | 347 | 346 | 346 | 348 | 345 | 347 | 347 | 347  | 349  | 350  | 352  | 351  | 352  | 350  | 350  | 350  | 351  | 351  | 351  | 352  | 352  | 352  | 352  | 34.5 | 34.9 | 0.2   | 24   |    |
| 6       | 355 | 355 | 354 | 354 | 355 | 353 | 354 | 355 | 348 | 347  | 350  | 352  | 356  | 355  | 353  | 349  | 348  | 351  | 355  | 354  | 355  | 358  | 360  | 361  | 361  | 346  | 35.4 | 0.4   | 24   |    |
| 7       | 359 | 359 | 359 | 360 | 360 | 360 | 360 | 359 | 358 | 350  | 342  | 342  | 343  | 352  | 346  | 347  | 350  | 349  | 351  | 359  | 360  | 360  | 361  | 362  | 362  | 342  | 35.4 | 0.7   | 24   |    |
| 8       | 362 | 363 | 364 | 363 | 367 | 370 | 370 | 368 | 364 | 357  | 354  | 352  | 351  | 352  | 352  | 351  | 351  | 351  | 359  | 362  | 362  | 369  | 377  | 35.9 | 35.5 | 37.1 | 37.1 | 3.1   | 24   |    |
| 9       | 352 | 352 | 352 | 354 | 354 | 355 | 358 | 368 | 366 | 350  | 350  | 351  | 353  | 353  | 353  | 352  | 349  | 347  | 351  | 353  | 353  | 353  | 352  | 352  | 368  | 34.7 | 35.3 | 0.5   | 24   |    |
| 10      | 352 | 352 | 352 | 352 | 352 | 352 | 354 | 354 | 357 | 355  | 353  | 352  | 358  | 360  | 358  | 352  | 350  | 350  | 353  | 358  | 361  | 360  | 361  | 358  | 365  | 350  | 35.5 | 0.4   | 24   |    |
| 11      | 367 | 402 | 384 | 400 | 496 | 486 | 486 | 482 | 372 | 375  | 371  | 366  | 364  | 368  | 366  | 363  | 365  | 366  | 368  | 369  | 365  | 362  | 356  | 362  | 353  | 36.3 | 38.3 | 0.4   | 24   |    |
| 12      | 352 | 352 | 351 | 351 | 352 | 351 | 350 | 352 | 350 | 350  | 351  | 353  | 352  | 353  | 352  | 351  | 352  | 351  | 352  | 352  | 351  | 352  | 352  | 351  | 353  | 350  | 35.1 | 0.1   | 24   |    |
| 13      | 352 | 355 | 358 | 358 | 358 | 358 | 356 | 358 | 353 | 355  | 354  | 353  | 355  | 354  | 353  | 349  | 348  | 351  | 356  | 358  | 358  | 361  | 358  | 361  | 348  | 35.5 | 0.3  | 24    |      |    |
| 14      | 360 | 359 | 362 | 363 | 393 | 383 | 449 | 472 | 456 | 45.1 | 438  | 42.1 | 388  | 366  | 353  | 34.7 | 34.7 | 34.4 | 34.5 | 35.1 | 35.1 | 35.2 | 35.3 | 35.7 | 47.2 | 34.4 | 38.0 | 4.2   | 24   |    |
| 15      | 360 | 358 | 357 | 358 | 362 | 364 | 364 | 366 | 354 | 348  | 34.7 | 34.5 | 34.7 | 35.0 | 35.4 | 34.8 | 34.5 | 34.4 | 37.2 | 39.4 | 47.2 | 44.1 | 51.5 | 44.3 | 37.6 | 41.0 | 6.4  | 24    |      |    |
| 16      | 413 | 401 | 419 | 524 | 533 | 455 | 416 | 372 | 354 | 350  | 34.9 | 34.4 | 34.1 | 34.1 | 34.1 | 34.1 | 43.4 | 47.5 | 450  | 39.2 | 40.4 | 39.1 | 43.1 | 45.6 | 53.3 | 34.1 | 41.6 | 5.6   | 21   |    |
| 17      | 440 | 395 | 387 | 360 | 359 | 365 | 361 | 371 | 355 | 355  | 353  | 354  | 357  | 357  | 356  | 355  | 354  | 357  | 359  | 358  | 357  | 359  | 360  | 360  | 44.0 | 35.3 | 36.4 | 1.9   | 24   |    |
| 18      | 364 | 363 | 364 | 369 | 419 | 416 | 407 | 413 | 420 | 418  | 44.7 | 47.8 | 49.5 | 52.4 | 59.7 | 62.6 | 63.1 | 78.3 | 89.9 | 87.7 | 78.7 | 72.7 | 72.1 | 59.0 | 88.9 | 86.3 | 54.7 | 17.1  | 24   |    |
| 19      | 443 | 387 | 396 | 377 | 432 | 429 | 486 | *** | 430 | 450  | 58.1 | 56.0 | 55.5 | 52.2 | 46.3 | 54.1 | 52.0 | 72.7 | 74.4 | 56.7 | 48.3 | 51.4 | 46.8 | 45.8 | 74.4 | 37.7 | 50.1 | 9.4   | 23   |    |
| 20      | 427 | 423 | 426 | 401 | 378 | 366 | 367 | 365 | 352 | 34.7 | 35.0 | 35.4 | 35.6 | 35.4 | 35.2 | 37.0 | 44.1 | 44.8 | 47.1 | 59.3 | 51.7 | 42.5 | 43.8 | 50.9 | 59.3 | 34.7 | 41.0 | 6.4   | 24   |    |
| 21      | 455 | 430 | 390 | 371 | 384 | 378 | 419 | 400 | 364 | 357  | 34.7 | 34.5 | 34.5 | 34.5 | 34.5 | 34.3 | 34.5 | 34.7 | 35.1 | 35.3 | 35.5 | 35.5 | 36.0 | 36.1 | 45.5 | 34.3 | 36.9 | 3.0   | 24   |    |
| 22      | 361 | 361 | 361 | 362 | 364 | 363 | 363 | 363 | 363 | 363  | 35.5 | 35.2 | 35.6 | 35.6 | 40.2 | 43.8 | 44.5 | 45.6 | 46.3 | 46.0 | 46.1 | 45.5 | 37.7 | 36.9 | 46.5 | 35.2 | 39.5 | 4.5   | 24   |    |
| 23      | 364 | 363 | 365 | 364 | 360 | 364 | 362 | 364 | 378 | 387  | 406  | 44.5 | 54.2 | 46.7 | 39.1 | 36.5 | 37.5 | 41.9 | 42.3 | 38.1 | 36.5 | 41.3 | 51.4 | 44.2 | 54.2 | 36.0 | 40.1 | 5.0   | 24   |    |
| 24      | 488 | 508 | 492 | 442 | 465 | 488 | 474 | 436 | 400 | 402  | 37.0 | 35.7 | 35.8 | 46.6 | 44.9 | 43.9 | 41.8 | 37.6 | 39.4 | 40.5 | 41.4 | 40.8 | 40.0 | 46.6 | 50.8 | 35.7 | 43.0 | 4.5   | 24   |    |
| 25      | 464 | 446 | 405 | 380 | 363 | 372 | 379 | 373 | 366 | 361  | 35.6 | 35.5 | 35.5 | 35.6 | 35.7 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 36.0 | 35.9 | 35.9 | 36.0 | 46.4 | 35.5 | 37.1 | 2.8   | 24   |    |
| 26      | 300 | 360 | 360 | 359 | 361 | 361 | 359 | 360 | 363 | 362  | 362  | 363  | 364  | 366  | 366  | 368  | 365  | 369  | 368  | 363  | 361  | 37.1 | 36.9 | 36.2 | 36.0 | 37.1 | 35.9 | 36.3  | 0.4  | 24 |
| 27      | 361 | 363 | 364 | 367 | 368 | 371 | 369 | 369 | 361 | 360  | 35.3 | 35.1 | 35.7 | 36.6 | 40.7 | 37.5 | 35.2 | 35.0 | 35.1 | 35.5 | 35.7 | 35.8 | 36.0 | 35.9 | 36.2 | 40.7 | 35.0 | 36.2  | 1.2  | 24 |
| 28      | 361 | 363 | 364 | 367 | 368 | 371 | 369 | 369 | 361 | 360  | 35.3 | 35.1 | 35.7 | 36.6 | 40.7 | 37.5 | 35.2 | 35.0 | 35.1 | 35.5 | 35.7 | 35.8 | 36.0 | 35.9 | 36.2 | 40.7 | 35.0 | 36.2  | 1.2  | 24 |
| 29      | 365 | 365 | 367 | 366 | 367 | 367 | 410 | 476 | 419 | 383  | 35.7 | 35.3 | 35.1 | 35.1 | 35.1 | 35.0 | 35.1 | 35.0 | 35.3 | 35.8 | 35.8 | 35.9 | 38.7 | 55.8 | 55.8 | 35.0 | 37.8 | 4.8   | 24   |    |
| 30      | 553 | 547 | 512 | 462 | 522 | 532 | 462 | 485 | 486 | 437  | 48.7 | 57.0 | 56.0 | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | ***  | 58.0 | 43.7 | *51.0 | 4.5  | 13 |
| 31      |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |    |
| 最大値     | 553 | 547 | 512 | 524 | 533 | 532 | 486 | 485 | 486 | 450  | 58.1 | 61.6 | 62.6 | 52.4 | 59.7 | 62.6 | 63.1 | 78.3 | 89.9 | 87.7 | 78.7 | 72.7 | 72.1 | 59.0 | 88.9 | 86.3 | 54.7 |       |      |    |
| 最小値     | 348 | 349 | 347 | 346 | 346 | 348 | 345 | 347 | 347 | 342  | 342  | 343  | 341  | 345  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 34.1 | 34.9 |       |      |    |
| 平均値     | 389 | 384 | 379 | 377 | 389 | 389 | 388 | 383 | 376 | 371  | 377  | 388  | 394  | 385  | 377  | 382  | 382  | 40.1 | 41.2 | 40.4 | 39.6 | 39.4 | 39.4 | 39.4 | 39.5 | 38.8 |      |       |      |    |
| 標準偏差    | 53  | 4.8 | 4.0 | 3.9 | 5.3 | 5.0 | 4.1 | 3.8 | 3.6 | 3.1  | 5.3  | 7.5  | 8.0  | 5.6  | 5.5  | 6.8  | 6.5  | 10.7 | 12.3 | 11.1 | 8.9  | 7.9  | 7.7  | 6.7  | 6.8  |      |      |       |      |    |
| 測定時間    | 28  | 28  | 28  | 28  | 28  | 28  | 28  | 27  | 28  | 28   | 28   | 28   | 28   | 28   | 28   | 27   | 27   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 28   | 68   |       |      |    |

| 有効測定日数  | 測定時間 | 測定値合計  | 1時間間の最大値 | 1時間間の最小値 | 平均値  | 日平均値の最大値 | 日平均値の最小値 | 局番/項目コード |    |    |    |    |    |    |    |    |    |    |    |    |     |       |   |   |   |   |   |   |     |     |
|---------|------|--------|----------|----------|------|----------|----------|----------|----|----|----|----|----|----|----|----|----|----|----|----|-----|-------|---|---|---|---|---|---|-----|-----|
| 27      | 667  | 258618 | 88.9     | 34.1     | 38.8 | 54.7     | 34.9     | 108/01   |    |    |    |    |    |    |    |    |    |    |    |    |     |       |   |   |   |   |   |   |     |     |
| 測定値ラック  |      |        |          |          |      |          |          |          |    |    |    |    |    |    |    |    |    |    |    |    |     |       |   |   |   |   |   |   |     |     |
|         | 0    | 6      | 11       | 16       | 21   | 26       | 31       | 36       | 41 | 46 | 51 | 56 | 61 | 66 | 71 | 76 | 81 | 86 | 91 | 96 | 101 | TOTAL |   |   |   |   |   |   |     |     |
| 時間数     | 0    | 0      | 0        | 0        | 0    | 0        | 0        | 0        | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0   | 667 |
| 出現割合(%) | 0    | 0      | 0        | 0        | 0    | 0        | 0        | 0        | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 100 |     |



上司放射線測定所

2017年10月

単位:nGy/h

Table with columns for date, time, measurement value, and various statistical metrics. Includes summary rows for maximum, minimum, average, and standard deviation values, and a bar chart representation at the bottom.

上司放射線測定所

2017年11月

単位:nGy/h

| 時刻<br>日 | 1        | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 最大値 | 最小値 | 平均値 | 標準偏差 | 測定時間    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1       | 468      | 467 | 468 | 468 | 470 | 473 | 466 | 468 | 472 | 476 | 477 | 480 | 485 | 486 | 487 | 490 | 489 | 484 | 483 | 483 | 482 | 481 | 484 | 481 | 480 | 466 | 478 | 08   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2       | 481      | 481 | 482 | 481 | 481 | 481 | 481 | 479 | 488 | 492 | 490 | 489 | 480 | 489 | 487 | 485 | 480 | 479 | 478 | 477 | 477 | 478 | 480 | 478 | 492 | 477 | 483 | 05   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3       | 481      | 480 | 481 | 482 | 482 | 481 | 480 | 480 | 487 | 495 | 494 | 493 | 487 | 489 | 484 | 483 | 482 | 480 | 481 | 481 | 480 | 483 | 483 | 487 | 495 | 480 | 484 | 05   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4       | 485      | 482 | 483 | 479 | 477 | 505 | 477 | 508 | 523 | 530 | 493 | 513 | 527 | 494 | 489 | 524 | 491 | 483 | 470 | 468 | 464 | 463 | 464 | 530 | 462 | 491 | 21  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5       | 462      | 463 | 466 | 468 | 467 | 468 | 466 | 464 | 466 | 468 | 470 | 471 | 473 | 473 | 476 | 473 | 472 | 468 | 471 | 468 | 471 | 470 | 468 | 471 | 476 | 462 | 469 | 03   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6       | 472      | 474 | 471 | 471 | 469 | 469 | 470 | 471 | 475 | 479 | 484 | 487 | 488 | 485 | 487 | 488 | 486 | 480 | 478 | 477 | 477 | 475 | 477 | 488 | 469 | 478 | 06  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7       | 476      | 475 | 477 | 477 | 477 | 477 | 482 | 481 | 483 | 487 | 485 | 486 | 490 | 490 | 489 | 489 | 488 | 485 | 485 | 481 | 482 | 481 | 483 | 486 | 491 | 475 | 483 | 05   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8       | 486      | 485 | 485 | 483 | 487 | 484 | 493 | 487 | 501 | 496 | 487 | 484 | 485 | 486 | 486 | 487 | 487 | 522 | 518 | 491 | 479 | 513 | 488 | 473 | 522 | 473 | 491 | 12   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9       | 467      | 464 | 467 | 468 | 470 | 471 | 472 | 475 | 478 | 482 | 481 | 481 | 479 | 480 | 480 | 480 | 476 | 472 | 471 | 469 | 472 | 472 | 471 | 482 | 464 | 474 | 05  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10      | 473      | 473 | 472 | 473 | 474 | 474 | 477 | 479 | 484 | 482 | 480 | 483 | 484 | 483 | 482 | 482 | 482 | 483 | 481 | 480 | 481 | 480 | 479 | 484 | 472 | 479 | 04  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11      | 486      | 548 | 517 | 511 | 589 | 557 | 493 | 471 | 497 | 564 | 549 | 499 | 483 | 476 | 484 | 521 | 588 | 513 | 493 | 543 | 581 | 516 | 476 | 486 | 589 | 466 | 518 | 38   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12      | 462      | 463 | 465 | 466 | 463 | 463 | 464 | 466 | 460 | 459 | 457 | 460 | 465 | 466 | 466 | 465 | 468 | 466 | 468 | 468 | 468 | 465 | 466 | 466 | 469 | 457 | 464 | 03   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13      | 470      | 470 | 471 | 475 | 472 | 473 | 472 | 472 | 478 | 477 | 478 | 479 | 485 | 482 | 483 | 482 | 481 | 478 | 477 | 477 | 477 | 477 | 475 | 474 | 485 | 470 | 476 | 04   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14      | 475      | 476 | 478 | 478 | 483 | 510 | 571 | 582 | 574 | 603 | *** | 534 | 486 | 482 | 489 | 484 | 477 | 476 | 475 | 476 | 475 | 473 | 475 | 474 | 603 | 473 | 502 | 43   | 22      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15      | 476      | 472 | 470 | 473 | 475 | 475 | 475 | 474 | 470 | 474 | 474 | 473 | 473 | 475 | 475 | 473 | 472 | 469 | 471 | 470 | 472 | 481 | 489 | 514 | 469 | 476 | 09  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16      | 500      | 479 | 471 | 477 | 477 | 476 | 472 | 489 | 505 | 489 | 481 | 474 | 476 | 472 | 469 | 474 | 475 | 491 | 522 | 548 | 586 | 606 | 521 | 479 | 606 | 469 | 496 | 37   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17      | 467      | 462 | 465 | 466 | 469 | 467 | 471 | 472 | 475 | 476 | 479 | 477 | 483 | 484 | 480 | 478 | 480 | 476 | 472 | 470 | 469 | 470 | 472 | 473 | 484 | 462 | 473 | 06   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18      | 473      | 475 | 475 | 475 | 477 | 499 | 512 | 513 | 515 | 524 | 529 | 550 | 542 | 508 | 616 | 672 | 596 | 502 | 530 | 575 | 586 | 576 | 543 | 521 | 672 | 473 | 535 | 48   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19      | 500      | 488 | 534 | 538 | 577 | 517 | 588 | 588 | 531 | 601 | 618 | 630 | 585 | 589 | 570 | 562 | 637 | 604 | 551 | 553 | 573 | 659 | 607 | 548 | 659 | 488 | 573 | 43   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20      | 511      | 492 | 477 | 468 | 464 | 468 | 467 | 466 | 468 | 468 | 474 | 477 | 484 | 480 | 477 | 471 | 475 | 524 | 541 | 622 | 662 | 481 | 603 | 610 | 464 | 516 | 74  | 24   |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21      | 544      | 512 | 631 | 585 | 535 | 482 | 479 | 473 | 470 | 473 | 481 | 475 | 472 | 467 | 465 | 465 | 465 | 466 | 467 | 467 | 468 | 468 | 471 | 471 | 631 | 465 | 490 | 43   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22      | 472      | 472 | 474 | 471 | 471 | 471 | 472 | 471 | 472 | 480 | 479 | 478 | 480 | 480 | 522 | 545 | 548 | 561 | 573 | 587 | 590 | 566 | 480 | 485 | 590 | 471 | 507 | 43   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23      | 477      | 473 | 472 | 477 | 478 | 480 | 475 | 472 | 504 | 514 | 510 | 496 | 460 | 460 | 502 | 556 | 571 | 522 | 495 | 514 | 500 | 485 | 512 | 486 | 529 | 472 | 499 | 26   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24      | 524      | 528 | 558 | 539 | 541 | 538 | 545 | 538 | 506 | 488 | 470 | 464 | 462 | 474 | 508 | 542 | 509 | 474 | 463 | 460 | 458 | 461 | 464 | 469 | 558 | 458 | 499 | 35   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25      | 514      | 548 | 519 | 488 | 469 | 485 | 468 | 471 | 470 | 471 | 474 | 469 | 467 | 469 | 469 | 470 | 469 | 467 | 472 | 472 | 469 | 470 | 471 | 472 | 548 | 465 | 477 | 20   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26      | 470      | 470 | 471 | 472 | 473 | 470 | 470 | 473 | 474 | 476 | 476 | 477 | 477 | 477 | 477 | 481 | 479 | 477 | 475 | 477 | 477 | 498 | 519 | 484 | 482 | 470 | 479 | 11   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27      | 475      | 471 | 472 | 471 | 473 | 473 | 475 | 474 | 505 | 530 | 515 | 525 | 501 | 484 | 477 | 477 | 473 | 472 | 474 | 473 | 474 | 473 | 476 | 477 | 530 | 471 | 483 | 18   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28      | 478      | 481 | 479 | 480 | 481 | 482 | 481 | 477 | 477 | 480 | 479 | 482 | 485 | 488 | 492 | 490 | 488 | 482 | 480 | 479 | 478 | 476 | 476 | 477 | 492 | 476 | 481 | 04   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29      | 478      | 478 | 478 | 479 | 479 | 481 | 482 | 568 | 574 | 539 | 497 | 478 | 475 | 473 | 476 | 478 | 475 | 475 | 477 | 478 | 479 | 480 | 479 | 482 | 574 | 473 | 489 | 28   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30      | 500      | 520 | 541 | 634 | 540 | 568 | 656 | 676 | 655 | 541 | 503 | 554 | 561 | 621 | 654 | 586 | 497 | 471 | 478 | 474 | 469 | 490 | 488 | 494 | 676 | 469 | 549 | 68   | 24      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31      |          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 最大値     | 544      | 548 | 631 | 634 | 589 | 571 | 656 | 676 | 655 | 601 | 618 | 630 | 585 | 621 | 654 | 672 | 637 | 604 | 587 | 622 | 682 | 718 | 607 | 610 | 718 | 573 |     |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 最小値     | 462      | 462 | 465 | 466 | 463 | 463 | 464 | 464 | 460 | 459 | 457 | 460 | 462 | 466 | 465 | 465 | 465 | 465 | 465 | 463 | 460 | 458 | 461 | 462 | 464 | 457 | 464 |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 平均値     | 483      | 484 | 489 | 489 | 480 | 489 | 494 | 495 | 499 | 497 | 493 | 493 | 490 | 493 | 499 | 503 | 496 | 490 | 490 | 490 | 495 | 499 | 504 | 490 | 488 | 487 | 493 |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 標準偏差    | 19       | 23  | 36  | 38  | 33  | 33  | 31  | 44  | 43  | 33  | 32  | 33  | 28  | 36  | 45  | 46  | 40  | 31  | 30  | 30  | 42  | 53  | 60  | 35  | 30  | 457 | 464 |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 測定時間    | 30       | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 29  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 30  | 38  |      |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 有効測定日数  | 測定時間 718 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 測定合計 | 35398.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 次測時間数 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 2 | 平均値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  | 49.3 | 日平均値の最小値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  | 46.4 | 日平均値の最大値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  | 57.3 | 局番/項目コード |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  | 109/01 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 測定値ランク  | 0        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 6    |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11 |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 16 |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 21 |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 26 |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 31 |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36 |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 41 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 46 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 51 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 56 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 61 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 66 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 71 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 86 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 96 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 101 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 時間数     | 0        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0    |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 出現割合(%) | 0        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 0    |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |







地頭放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日 | 測定時間 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 測定時間 | 標準偏差 | 平均値  | 最小値 | 最大値 |    |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-----|-----|----|
|         | 1    | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  |      |      |      |     |     |    |
| 1       | 368  | 371 | 373 | 378 | 380 | 382 | 384 | 384 | 400 | 420 | 437 | 423 | 412 | 407 | 409 | 389 | 378 | 371 | 368 | 367 | 370 | 367 | 369 | 372 | 437  | 367  | 387  | 21  |     |    |
| 2       | 368  | 381 | 377 | 380 | 391 | 386 | 386 | 386 | 385 | 384 | 385 | 381 | 374 | 376 | 374 | 371 | 370 | 372 | 376 | 381 | 387 | 381 | 391 | 398 | 398  | 398  | 387  | 382 | 08  | 24 |
| 3       | 398  | 400 | 406 | 408 | 407 | 413 | 416 | 415 | 414 | 413 | 408 | 398 | 393 | 387 | 384 | 380 | 380 | 382 | 382 | 386 | 390 | 393 | 396 | 399 | 416  | 380  | 398  | 12  | 24  |    |
| 4       | 401  | 401 | 403 | 407 | 408 | 411 | 412 | 413 | 414 | 413 | 412 | 410 | 411 | 411 | 414 | 459 | 458 | 429 | 458 | 429 | 407 | 408 | 400 | 387 | 459  | 397  | 414  | 16  | 24  |    |
| 5       | 394  | 395 | 395 | 391 | 390 | 389 | 389 | 391 | 394 | 394 | 384 | 374 | 369 | 366 | 366 | 365 | 365 | 365 | 365 | 366 | 366 | 369 | 372 | 372 | 395  | 367  | 379  | 13  | 24  |    |
| 6       | 373  | 374 | 373 | 374 | 382 | 402 | 405 | 389 | 387 | 383 | 379 | 375 | 370 | 370 | 371 | 370 | 374 | 370 | 374 | 377 | 382 | 386 | 392 | 392 | 405  | 370  | 380  | 10  | 24  |    |
| 7       | 392  | 396 | 400 | 407 | 412 | 414 | 414 | 415 | 414 | 408 | 406 | 393 | 380 | 377 | 375 | 376 | 377 | 382 | 391 | 382 | 391 | 386 | 399 | 415 | 375  | 375  | 394  | 14  | 24  |    |
| 8       | 400  | 403 | 407 | 410 | 412 | 410 | 416 | 431 | 417 | 408 | 389 | 382 | 381 | 496 | 643 | 705 | 784 | 716 | 588 | 592 | 664 | 649 | 545 | 784 | 381  | 518  | 139  | 24  |     |    |
| 9       | 550  | 466 | 406 | 390 | 386 | 380 | 384 | 383 | 381 | 384 | 385 | 385 | 380 | 373 | 371 | 371 | 372 | 373 | 377 | 380 | 382 | 385 | 388 | 383 | 550  | 393  | 339  | 24  |     |    |
| 10      | 394  | 394 | 394 | 401 | 402 | 404 | 404 | 405 | 405 | 402 | 399 | 391 | 378 | 372 | 372 | 372 | 373 | 375 | 376 | 378 | 380 | 381 | 389 | 388 | 405  | 372  | 389  | 12  | 24  |    |
| 11      | 385  | 387 | 387 | 387 | 390 | 391 | 396 | 434 | 410 | 392 | 378 | 376 | 372 | 369 | 370 | 369 | 367 | 365 | 368 | 371 | 374 | 371 | 371 | 370 | 434  | 365  | 381  | 16  | 24  |    |
| 12      | 368  | 367 | 376 | 376 | 373 | 372 | 376 | 376 | 375 | 377 | 378 | 375 | 374 | 372 | 372 | 369 | 368 | 368 | 369 | 370 | 373 | 371 | 372 | 375 | 378  | 367  | 373  | 03  | 24  |    |
| 13      | 375  | 377 | 378 | 377 | 377 | 376 | 378 | 380 | 381 | 382 | 384 | 378 | 374 | 386 | 433 | 452 | 447 | 481 | 430 | 428 | 453 | 402 | 426 | 481 | 374  | 405  | 35   | 24  |     |    |
| 14      | 441  | 463 | 411 | 421 | 437 | 398 | 373 | 367 | 368 | 379 | 379 | 374 | 374 | 384 | 379 | 383 | 377 | 387 | 383 | 384 | 364 | 368 | 371 | 463 | 363  | 387  | 28   | 24  |     |    |
| 15      | 375  | 379 | 381 | 385 | 386 | 385 | 386 | 391 | 389 | 387 | 387 | 386 | 380 | 378 | 374 | 373 | 378 | 378 | 381 | 386 | 386 | 389 | 392 | 382 | 370  | 382  | 06   | 24  |     |    |
| 16      | 391  | 395 | 405 | 403 | 401 | 401 | 404 | 406 | 408 | 401 | 399 | 389 | 388 | 381 | 379 | 377 | 380 | 380 | 374 | 372 | 369 | 368 | 385 | 385 | 408  | 368  | 388  | 13  | 24  |    |
| 17      | 401  | 497 | 496 | 453 | 461 | 513 | 608 | 591 | 541 | 584 | 648 | 561 | 572 | 515 | 505 | 406 | 370 | 362 | 356 | 355 | 360 | 364 | 366 | 648 | 355  | 470  | 07   | 24  |     |    |
| 18      | 370  | 371 | 372 | 375 | 377 | 377 | 379 | 382 | 381 | 382 | 381 | 379 | 378 | 372 | 361 | 360 | 361 | 365 | 370 | 373 | 375 | 379 | 381 | 383 | 360  | 374  | 07   | 24  |     |    |
| 19      | 385  | 389 | 393 | 390 | 391 | 390 | 386 | 396 | 394 | 395 | 398 | 475 | 477 | 439 | 410 | 397 | 410 | 444 | 464 | 443 | 413 | 400 | 385 | 477 | 385  | 41.1 | 29   | 24  |     |    |
| 20      | 385  | 381 | 387 | 384 | 383 | 387 | 391 | 393 | 394 | 395 | 397 | 396 | 391 | 384 | 374 | 370 | 368 | 373 | 378 | 379 | 380 | 385 | 385 | 387 | 383  | 383  | 09   | 24  |     |    |
| 21      | 392  | 396 | 396 | 400 | 401 | 403 | 434 | 424 | 452 | 453 | 405 | 384 | 385 | 376 | 372 | 368 | 371 | 375 | 375 | 382 | 386 | 389 | 392 | 453 | 368  | 395  | 24   | 24  |     |    |
| 22      | 393  | 395 | 402 | 406 | 409 | 410 | 413 | 409 | 408 | 401 | 392 | 387 | 380 | 380 | 379 | 379 | 378 | 380 | 382 | 387 | 390 | 393 | 386 | 400 | 413  | 378  | 39.5 | 1.1 | 24  |    |
| 23      | 403  | 405 | 407 | 408 | 411 | 413 | 415 | 418 | 415 | 413 | 410 | 400 | 394 | 387 | 381 | 374 | 377 | 379 | 380 | 384 | 387 | 392 | 394 | 401 | 418  | 374  | 39.8 | 1.4 | 24  |    |
| 24      | 403  | 408 | 409 | 408 | 412 | 415 | 418 | 419 | 418 | 413 | 407 | 399 | 382 | 387 | 384 | 378 | 381 | 404 | 431 | 440 | 450 | 445 | 427 | 404 | 450  | 378  | 41.1 | 1.9 | 24  |    |
| 25      | 384  | 374 | 370 | 386 | 391 | 461 | 470 | 571 | 582 | 584 | 589 | 568 | 538 | 649 | 670 | 675 | 631 | 533 | 511 | 534 | 486 | 421 | 409 | 421 | 675  | 370  | 50.9 | 9.9 | 24  |    |
| 26      | 405  | 397 | 384 | 385 | 382 | 385 | 389 | 387 | 389 | 388 | 385 | 378 | 393 | 385 | 376 | 375 | 415 | 447 | 425 | 485 | 525 | 514 | 548 | 559 | 559  | 421  | 5.9  | 24  |     |    |
| 27      | 525  | 505 | 492 | 437 | 402 | 372 | 373 | 426 | 410 | 374 | 378 | 400 | 409 | 420 | 458 | 456 | 484 | 457 | 410 | 403 | 409 | 386 | 370 | 366 | 525  | 366  | 42.2 | 4.7 | 24  |    |
| 28      | 364  | 379 | 387 | 410 | 409 | 399 | 399 | 406 | 406 | 396 | 399 | 414 | 416 | 422 | 408 | 388 | 376 | 370 | 368 | 373 | 372 | 375 | 374 | 375 | 422  | 364  | 39.1 | 1.8 | 24  |    |
| 29      | 380  | 380 | 381 | 383 | 384 | 386 | 384 | 387 | 388 | 389 | 388 | 398 | 415 | 416 | 452 | 435 | 418 | 424 | 403 | 384 | 371 | 366 | 370 | 371 | 452  | 366  | 39.5 | 2.3 | 24  |    |
| 30      | 368  | 364 | 362 | 366 | 368 | 367 | 364 | 366 | 368 | 366 | 365 | 364 | 363 | 364 | 363 | 363 | 364 | 365 | 366 | 364 | 373 | 374 | 379 | 379 | 362  | 367  | 0.5  | 24  |     |    |
| 31      | 386  | 388 | 394 | 397 | 398 | 398 | 399 | 397 | 393 | 388 | 384 | 384 | 377 | 388 | 385 | 378 | 376 | 383 | 380 | 379 | 379 | 382 | 378 | 384 | 399  | 376  | 386  | 0.7 | 24  |    |
| 最大値     | 550  | 505 | 496 | 453 | 461 | 513 | 608 | 591 | 582 | 584 | 648 | 561 | 572 | 649 | 670 | 705 | 784 | 776 | 717 | 588 | 592 | 664 | 649 | 559 | 784  | 518  |      |     |     |    |
| 最小値     | 364  | 362 | 366 | 368 | 367 | 364 | 366 | 366 | 368 | 366 | 365 | 364 | 363 | 364 | 361 | 360 | 361 | 362 | 362 | 356 | 355 | 360 | 364 | 366 | 366  | 355  | 367  |     |     |    |
| 平均値     | 398  | 399 | 397 | 396 | 397 | 400 | 405 | 411 | 409 | 408 | 407 | 404 | 400 | 404 | 408 | 405 | 407 | 406 | 402 | 399 | 399 | 400 | 399 | 398 | 402  | 402  | 40.2 |     |     |    |
| 標準偏差    | 40   | 35  | 29  | 1.9 | 1.9 | 2.8 | 4.3 | 4.9 | 4.5 | 50  | 59  | 50  | 47  | 58  | 7.3 | 8.0 | 8.8 | 8.0 | 6.9 | 5.2 | 5.1 | 5.8 | 5.7 | 4.4 | 4.4  | 5.3  |      |     |     |    |
| 測定時間    | 31   | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31   | 31   | 744  |     |     |    |

|        |     |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |      |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |          |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |
|--------|-----|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|----------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|----------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|----------|----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|
| 有効測定日数 | 31  | 測定値合計 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 29943.7 | 78.4 | 1時間間の最大値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      | 40.2     | 1時間間の最小値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      | 35.5     | 日平均値の最大値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      | 51.8     | 日平均値の最小値 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.7 | 110/01 |
| 測定時間   | 744 | 測定時間数 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0       | 平均値  |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 40.2 | 日平均値の最大値 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 51.8 | 日平均値の最小値 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36.7 | 局番/項目コード |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |

|         |   |   |    |    |    |    |    |       |        |        |       |       |       |       |       |       |       |    |    |    |     |       |     |
|---------|---|---|----|----|----|----|----|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|----|----|----|-----|-------|-----|
| 測定値ランク  | 0 | 6 | 11 | 16 | 21 | 26 | 31 | 36    | 41     | 46     | 51    | 56    | 61    | 66    | 71    | 76    | 81    | 86 | 91 | 96 | 101 | TOTAL |     |
| 時間数     | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 3     | 588    | 96     | 19    | 14    | 12    | 5     | 4     | 1     | 2     | 0  | 0  | 0  | 0   | 0     | 744 |
| 出現割合(%) | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0.403 | 79.032 | 12.903 | 2.554 | 1.882 | 1.613 | 0.672 | 0.538 | 0.134 | 0.269 | 0  | 0  | 0  | 0   | 0     | 100 |





Main data table with columns for date (日期), time (時刻), and radiation dose (測定時間) from 1 to 31. It includes summary statistics like maximum (最大値), minimum (最小値), and average (平均值) for each day.

Summary table with columns for '有効測定日数' (Valid measurement days), '測定値合計' (Total measurement value), '1時間値の最大値' (Daily max), '1時間値の最小値' (Daily min), '平均値' (Average), '日平均値の最大値' (Monthly max), '日平均値の最小値' (Monthly min), and '局番/項目コード' (Station/item code).

Measurement range table (測定値ランク) showing counts for values from 0 to 100 and a 'TOTAL' row.

Time distribution table (時間数) showing counts for time intervals from 0 to 100 and a percentage of occurrence (出現割合%).

上杉放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日 | 1   | 2   | 3   | 4   | 5   | 6   | 7     | 8      | 9     | 10    | 11    | 12    | 13    | 14    | 15   | 16    | 17   | 18    | 19   | 20    | 21   | 22    | 23   | 24    | 最大値  | 最小値  | 平均値  | 標準偏差  | 測定時間 |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
|---------|-----|-----|-----|-----|-----|-----|-------|--------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-----|-----|----------|--|--|--|----------|--------|--|--|----------|--|--|--|----------|--|--|--|----------|--|--|--|----------|--|--|--|----------|
| 1       | 276 | 276 | 274 | 276 | 280 | 286 | 287   | 289    | 295   | 309   | 317   | 306   | 292   | 285   | 281  | 271   | 276  | 269   | 264  | 264   | 269  | 264   | 264  | 268   | 288  | 317  | 264  | 281   | 1.5  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 2       | 282 | 276 | 276 | 274 | 273 | 275 | 277   | 281    | 280   | 283   | 279   | 275   | 277   | 268   | 268  | 267   | 268  | 269   | 273  | 279   | 281  | 283   | 284  | 291   | 291  | 287  | 276  | 0.6   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 3       | 295 | 297 | 301 | 305 | 307 | 308 | 310   | 318    | 319   | 325   | 316   | 297   | 280   | 277   | 274  | 272   | 272  | 271   | 274  | 277   | 280  | 281   | 285  | 287   | 325  | 271  | 293  | 1.7   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 4       | 292 | 293 | 297 | 297 | 307 | 317 | 318   | 320    | 322   | 321   | 319   | 325   | 324   | 322   | 323  | 324   | 349  | 348   | 311  | 288   | 284  | 284   | 286  | 289   | 349  | 300  | 284  | 1.1   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 5       | 292 | 293 | 297 | 300 | 296 | 291 | 292   | 295    | 297   | 291   | 274   | 272   | 266   | 264   | 264  | 262   | 262  | 262   | 261  | 262   | 262  | 263   | 267  | 272   | 273  | 340  | 261  | 27.8  | 1.5  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 6       | 273 | 274 | 274 | 273 | 278 | 281 | 282   | 284    | 283   | 285   | 277   | 274   | 268   | 264   | 265  | 267   | 268  | 268   | 270  | 274   | 275  | 275   | 280  | 284   | 285  | 285  | 264  | 275   | 0.7  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 7       | 288 | 292 | 295 | 299 | 302 | 303 | 309   | 312    | 310   | 299   | 279   | 279   | 279   | 271   | 269  | 270   | 272  | 271   | 272  | 278   | 278  | 281   | 283  | 286   | 312  | 269  | 287  | 1.4   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 8       | 290 | 291 | 301 | 301 | 297 | 299 | 299   | 324    | 317   | 304   | 289   | 288   | 306   | 314   | 460  | 668   | 866  | 788   | 606  | 441   | 353  | 387   | 377  | 373   | 866  | 388  | 397  | 165   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 9       | 400 | 352 | 289 | 271 | 277 | 274 | 277   | 281    | 277   | 276   | 280   | 279   | 277   | 275   | 275  | 275   | 269  | 273   | 275  | 278   | 278  | 271   | 282  | 286   | 400  | 265  | 285  | 29    | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 10      | 286 | 289 | 290 | 288 | 286 | 284 | 282   | 282    | 280   | 277   | 276   | 276   | 274   | 271   | 273  | 268   | 267  | 268   | 270  | 270   | 270  | 270   | 273  | 279   | 290  | 267  | 277  | 0.7   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 11      | 272 | 273 | 272 | 270 | 273 | 274 | 278   | 284    | 285   | 278   | 273   | 271   | 268   | 267   | 266  | 265   | 263  | 263   | 262  | 262   | 264  | 265   | 265  | 263   | 285  | 262  | 270  | 0.7   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 12      | 262 | 262 | 264 | 264 | 266 | 266 | 269   | 269    | 267   | 269   | 272   | 272   | 272   | 270   | 269  | 267   | 266  | 266   | 266  | 266   | 265  | 265   | 267  | 272   | 270  | 272  | 262  | 262   | 0.3  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 13      | 270 | 272 | 272 | 272 | 274 | 274 | 274   | 274    | 275   | 276   | 277   | 273   | 265   | 269   | 306  | 316   | 344  | 338   | 348  | 308   | 279  | 290   | 270  | 295   | 348  | 265  | 288  | 2.5   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 14      | 303 | 332 | 296 | 310 | 304 | 274 | 264   | 261    | 261   | 261   | 263   | 262   | 263   | 262   | 265  | 263   | 272  | 263   | 258  | 260   | 266  | 271   | 270  | 273   | 332  | 258  | 275  | 1.9   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 15      | 273 | 273 | 273 | 279 | 280 | 282 | 285   | 288    | 290   | 286   | 288   | 284   | 276   | 268   | 268  | 268   | 267  | 266   | 268  | 270   | 271  | 274   | 275  | 277   | 278  | 290  | 266  | 277   | 0.7  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 16      | 276 | 279 | 286 | 285 | 284 | 284 | 288   | 291    | 291   | 291   | 289   | 279   | 273   | 273   | 276  | 275   | 274  | 274   | 269  | 266   | 266  | 265   | 265  | 267   | 284  | 265  | 278  | 0.9   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 17      | 270 | 293 | 310 | 285 | 279 | 309 | 41.2  | 467    | 382   | 420   | 49.4  | 366   | 369   | 33.4  | 36.1 | 30.1  | 27.1 | 26.4  | 26.4 | 26.2  | 26.4 | 26.4  | 26.5 | 26.8  | 27.0 | 49.4 | 26.2 | 32.5  | 7.0  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 18      | 273 | 275 | 276 | 279 | 280 | 283 | 286   | 289    | 285   | 285   | 283   | 277   | 269   | 268   | 264  | 259   | 260  | 262   | 267  | 267   | 270  | 272   | 269  | 270   | 289  | 259  | 27.4 | 0.9   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 19      | 272 | 271 | 271 | 270 | 272 | 273 | 275   | 277    | 276   | 274   | 272   | 317   | 327   | 296   | 288  | 275   | 293  | 299   | 310  | 291   | 286  | 281   | 279  | 276   | 327  | 270  | 28.4 | 1.6   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 20      | 278 | 280 | 285 | 289 | 290 | 284 | 296   | 298    | 297   | 298   | 297   | 288   | 279   | 276   | 275  | 269   | 270  | 270   | 269  | 273   | 275  | 278   | 284  | 284   | 298  | 269  | 283  | 1.0   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 21      | 285 | 289 | 291 | 294 | 295 | 300 | 307   | 309    | 307   | 304   | 287   | 272   | 269   | 266   | 267  | 266   | 266  | 268   | 271  | 275   | 279  | 283   | 284  | 288   | 309  | 266  | 284  | 1.4   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 22      | 289 | 290 | 292 | 294 | 296 | 302 | 304   | 305    | 305   | 303   | 303   | 289   | 278   | 271   | 270  | 270   | 271  | 273   | 273  | 274   | 278  | 280   | 281  | 284   | 287  | 305  | 270  | 28.6  | 1.2  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 23      | 288 | 291 | 295 | 296 | 297 | 302 | 306   | 309    | 309   | 308   | 300   | 286   | 279   | 276   | 275  | 275   | 275  | 276   | 275  | 278   | 279  | 283   | 287  | 291   | 309  | 275  | 28.9 | 1.2   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 24      | 283 | 297 | 300 | 307 | 304 | 305 | 308   | 311    | 311   | 301   | 293   | 283   | 280   | 278   | 274  | 273   | 278  | 287   | 315  | 322   | 328  | 327   | 309  | 297   | 328  | 273  | 30.0 | 1.6   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 25      | 275 | 271 | 271 | 265 | 267 | 311 | 324   | 40.5   | 44.4  | 399   | 44.0  | 406   | 381   | 44.0  | 51.5 | 50.5  | 46.6 | 387   | 35.8 | 34.2  | 35.0 | 297   | 276  | 295   | 51.5 | 265  | 36.2 | 7.9   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 26      | 292 | 296 | 282 | 278 | 280 | 283 | 284   | 281    | 279   | 278   | 273   | 271   | 277   | 279   | 271  | 268   | 280  | 280   | 285  | 277   | 294  | 346   | 355  | 38.9  | 40.4 | 268  | 296  | 3.7   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 27      | 366 | 347 | 348 | 319 | 295 | 276 | 266   | 310    | 307   | 274   | 272   | 290   | 286   | 305   | 333  | 33.1  | 356  | 328   | 290  | 286   | 282  | 272   | 284  | 259   | 366  | 259  | 30.3 | 3.2   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 28      | 256 | 272 | 285 | 282 | 288 | 287 | 281   | 284    | 277   | 275   | 277   | 290   | 293   | 289   | 274  | 264   | 258  | 261   | 260  | 262   | 262  | 266   | 265  | 267   | 293  | 256  | 27.4 | 1.2   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 29      | 269 | 268 | 267 | 268 | 271 | 273 | 276   | 277    | 282   | 285   | 287   | 288   | 300   | 310   | 308  | 308   | 317  | 32.9  | 295  | 287   | 273  | 273   | 266  | 266   | 329  | 266  | 286  | 1.8   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 30      | 263 | 260 | 261 | 261 | 260 | 259 | 259   | 263    | 263   | 260   | 259   | 260   | 260   | 259   | 260  | 260   | 260  | 262   | 262  | 265   | 270  | 266   | 268  | 272   | 277  | 277  | 259  | 26.3  | 0.5  | 24  |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 31      | 281 | 284 | 286 | 286 | 289 | 289 | 294   | 290    | 283   | 277   | 278   | 275   | 274   | 277   | 279  | 273   | 273  | 276   | 288  | 281   | 279  | 277   | 277  | 283   | 295  | 273  | 281  | 0.6   | 24   |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 最大値     | 400 | 352 | 348 | 319 | 307 | 317 | 412   | 467    | 444   | 420   | 49.4  | 406   | 381   | 440   | 51.5 | 668   | 866  | 788   | 606  | 441   | 353  | 387   | 389  | 404   | 866  | 39.7 | 26.3 | 39.7  |      |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 最小値     | 256 | 260 | 261 | 261 | 260 | 259 | 259   | 261    | 261   | 260   | 259   | 260   | 260   | 259   | 260  | 259   | 258  | 258   | 260  | 260   | 262  | 264   | 264  | 259   | 256  | 256  | 26.3 | 26.3  | 26.3 |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 平均値     | 286 | 287 | 286 | 285 | 285 | 288 | 293   | 301    | 299   | 296   | 296   | 290   | 286   | 285   | 294  | 297   | 304  | 300   | 291  | 284   | 283  | 283   | 284  | 286   | 286  | 290  | 290  | 290   | 290  | 290 | 290 |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 標準偏差    | 28  | 22  | 1.7 | 1.5 | 1.3 | 1.5 | 2.8   | 4.0    | 3.6   | 3.4   | 4.8   | 3.2   | 2.9   | 3.4   | 5.7  | 8.2   | 11.2 | 9.6   | 6.3  | 3.4   | 2.5  | 2.7   | 2.8  | 2.9   | 4.6  | 4.6  | 4.6  | 4.6   | 4.6  | 4.6 |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 測定時間    | 31  | 31  | 31  | 31  | 31  | 31  | 31    | 31     | 31    | 31    | 31    | 31    | 31    | 31    | 31   | 31    | 31   | 31    | 31   | 31    | 31   | 31    | 31   | 31    | 31   | 31   | 31   | 31    | 31   | 31  | 31  |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 有効測定日数  | 31  |     |     |     |     |     |       |        |       |       |       |       |       |       |      |       |      |       |      |       |      |       |      | 測定値合計 |      |      |      | 測定時間数 |      |     |     | 1時間間の最大値 |  |  |  | 1時間間の最小値 |        |  |  | 1時間間の平均値 |  |  |  | 1時間間の最大値 |  |  |  | 1時間間の最小値 |  |  |  | 1時間間の平均値 |  |  |  | 局番/項目コード |
| 測定値ランク  | 0   | 6   | 11  | 16  | 21  | 26  | 31    | 36     | 41    | 46    | 51    | 56    | 61    | 66    | 71   | 76    | 81   | 86    | 91   | 96    | 101  | TOTAL |      |       |      |      |      |       |      |     |     |          |  |  |  |          | 111/01 |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 時間数     | 0   | 0   | 0   | 0   | 0   | 0   | 14    | 637    | 61    | 16    | 6     | 5     | 1     | 1     | 0    | 1     | 0    | 1     | 0    | 1     | 0    | 0     | 0    | 0     | 744  |      |      |       |      |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |
| 出現割合(%) | 0   | 0   | 0   | 0   | 0   | 0   | 1.882 | 85.618 | 8.199 | 2.151 | 0.806 | 0.672 | 0.134 | 0.134 | 0    | 0.134 | 0    | 0.134 | 0    | 0.134 | 0    | 0     | 0    | 0     | 100  |      |      |       |      |     |     |          |  |  |  |          |        |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |  |  |  |          |





Table with columns: 時刻(日), 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 最大値, 最小値, 平均値, 標準偏差, 測定時間

有効測定日数 測定時間 測定値合計 1時間値の最大値 1時間値の最小値 平均値 日平均値の最大値 日平均値の最小値

測定時間 測定値合計 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間 測定時間

| 時刻<br>日 | 測定時間 |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 平均値 |     |     |     | 測定時間 |      |      |      |      |      |     |      |      |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|-----|------|------|------|--|--|-----|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|
|         | 1    | 2   | 3   | 4   | 5   | 6   | 7   | 8   | 9   | 10  | 11  | 12  | 13  | 14  | 15  | 16  | 17  | 18  | 19  |      | 20   | 21   | 22   | 23   | 24   | 最大値 | 最小値  | 平均値  | 標準偏差 |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 1       | 499  | 500 | 498 | 500 | 508 | 513 | 516 | 516 | 512 | 506 | 500 | 489 | 480 | 481 | 477 | 479 | 478 | 480 | 484 | 493  | 495  | 492  | 489  | 493  | 493  | 516 | 477  | 495  | 49.5 |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 2       | 496  | 495 | 496 | 495 | 504 | 508 | 516 | 516 | 512 | 506 | 500 | 489 | 480 | 481 | 477 | 479 | 478 | 480 | 484 | 493  | 495  | 492  | 489  | 493  | 493  | 516 | 477  | 495  | 50.2 |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 3       | 511  | 497 | 523 | 652 | 654 | 630 | 675 | 645 | 630 | 587 | 545 | 529 | 518 | 513 | 516 | 478 | 484 | 459 | 464 | 478  | 467  | 466  | 466  | 463  | 475  | 466 | 459  | 53.5 | 7.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 4       | 463  | 463 | 465 | 464 | 461 | 460 | 459 | 460 | 462 | 457 | 467 | 460 | 461 | 462 | 464 | 463 | 466 | 466 | 466 | 466  | 471  | 471  | 467  | 471  | 471  | 471 | 457  | 47.3 | 0.3  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 5       | 472  | 470 | 474 | 474 | 473 | 473 | 472 | 468 | 469 | 471 | 476 | 469 | 470 | 470 | 472 | 470 | 469 | 471 | 474 | 469  | 486  | 480  | 481  | 482  | 482  | 482 | 467  | 47.3 | 0.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 6       | 476  | 471 | 470 | 470 | 468 | 467 | 466 | 463 | 468 | 502 | 529 | 533 | 542 | 528 | 568 | 583 | 530 | 489 | 553 | 558  | 528  | 487  | 487  | 484  | 457  | 563 | 457  | 50.3 | 3.9  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 7       | 458  | 463 | 464 | 474 | 511 | 483 | 474 | 464 | 466 | 462 | 463 | 459 | 460 | 460 | 463 | 472 | 472 | 466 | 469 | 477  | 484  | 489  | 500  | 506  | 506  | 511 | 458  | 47.4 | 1.6  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 8       | 507  | 491 | 487 | 491 | 490 | 497 | 501 | 496 | 472 | 468 | 488 | 471 | 473 | 473 | 473 | 472 | 473 | 474 | 476 | 485  | 487  | 490  | 481  | 490  | 507  | 468 | 48.3 | 1.1  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 9       | 492  | 492 | 492 | 496 | 497 | 501 | 506 | 508 | 501 | 487 | 484 | 480 | 481 | 480 | 481 | 479 | 479 | 477 | 483 | 491  | 495  | 500  | 503  | 504  | 508  | 477 | 481  | 49.1 | 1.0  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 10      | 506  | 506 | 513 | 513 | 515 | 514 | 516 | 507 | 499 | 497 | 485 | 484 | 482 | 481 | 480 | 479 | 477 | 483 | 489 | 496  | 504  | 502  | 508  | 510  | 516  | 477 | 477  | 49.8 | 1.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 11      | 512  | 516 | 522 | 530 | 524 | 520 | 519 | 513 | 506 | 493 | 484 | 487 | 490 | 490 | 488 | 487 | 490 | 505 | 490 | 488  | 493  | 498  | 502  | 506  | 550  | 484 | 502  | 50.2 | 1.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 12      | 512  | 538 | 597 | 602 | 547 | 537 | 512 | 484 | 472 | 484 | 494 | 483 | 484 | 484 | 504 | 521 | 522 | 524 | 526 | 516  | 514  | 525  | 523  | 602  | 602  | 472 | 51.8 | 3.2  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 13      | 539  | 523 | 489 | 514 | 552 | 527 | 526 | 541 | 590 | 554 | 493 | 464 | 458 | 459 | 466 | 463 | 461 | 460 | 464 | 468  | 469  | 472  | 475  | 475  | 590  | 458 | 49.6 | 3.9  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 14      | 480  | 484 | 486 | 489 | 490 | 491 | 494 | 498 | 497 | 498 | 495 | 487 | 479 | 471 | 470 | 468 | 469 | 468 | 472 | 474  | 479  | 481  | 482  | 483  | 498  | 468 | 48.3 | 1.0  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 15      | 488  | 491 | 485 | 502 | 510 | 510 | 495 | 483 | 493 | 483 | 482 | 492 | 485 | 485 | 484 | 490 | 489 | 485 | 484 | 492  | 491  | 516  | 492  | 491  | 516  | 479 | 49.1 | 0.9  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 16      | 508  | 507 | 516 | 556 | 519 | 514 | 507 | 533 | 539 | 525 | 512 | 544 | 559 | 542 | 509 | 496 | 470 | 467 | 471 | 467  | 472  | 511  | 502  | 525  | 559  | 467 | 51.1 | 2.7  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 17      | 536  | 537 | 555 | 567 | 572 | 556 | 512 | 523 | 482 | 463 | 454 | 456 | 456 | 457 | 458 | 456 | 459 | 460 | 460 | 460  | 458  | 459  | 460  | 462  | 572  | 454 | 48.5 | 4.3  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 18      | 464  | 465 | 465 | 462 | 462 | 462 | 462 | 459 | 461 | 462 | 463 | 462 | 462 | 461 | 462 | 461 | 463 | 465 | 468 | 477  | 486  | 498  | 513  | 530  | 530  | 459 | 47.1 | 1.8  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 19      | 546  | 548 | 558 | 579 | 563 | 560 | 560 | 591 | 578 | 529 | 481 | 481 | 481 | 470 | 460 | 460 | 458 | 460 | 466 | 485  | 51.2 | 53.7 | 55.0 | 54.5 | 59.1 | 458 | 51.9 | 4.5  | 2.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 20      | 528  | 514 | 522 | 507 | 542 | 510 | 518 | 468 | 460 | 454 | 456 | 455 | 459 | 462 | 457 | 460 | 461 | 467 | 465 | 463  | 461  | 463  | 465  | 462  | 542  | 454 | 47.7 | 2.8  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 21      | 463  | 464 | 465 | 465 | 464 | 466 | 473 | 467 | 465 | 474 | 513 | 533 | 557 | 575 | 558 | 553 | 537 | 516 | 510 | 508  | 502  | 500  | 508  | 510  | 575  | 463 | 50.1 | 3.5  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 22      | 499  | 509 | 501 | 503 | 511 | 516 | 524 | 523 | 516 | 509 | 492 | 482 | 478 | 478 | 548 | 554 | 554 | 549 | 551 | 569  | 568  | 559  | 553  | 567  | 569  | 494 | 52.9 | 2.8  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 23      | 577  | 647 | 715 | 759 | 731 | 728 | 705 | 677 | 624 | 569 | 558 | 505 | 456 | 435 | 428 | 436 | 455 | 445 | 441 | 440  | 441  | 445  | 445  | 447  | 759  | 428 | 54.6 | 12.0 |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 24      | 447  | 449 | 449 | 450 | 451 | 452 | 452 | 450 | 449 | 450 | 451 | 454 | 454 | 454 | 454 | 455 | 455 | 460 | 471 | 503  | 515  | 548  | 54.4 | 598  | 598  | 447 | 47.1 | 4.0  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 25      | 632  | 650 | 628 | 591 | 528 | 479 | 469 | 455 | 452 | 464 | 468 | 461 | 463 | 455 | 453 | 472 | 472 | 472 | 456 | 453  | 451  | 454  | 454  | 453  | 650  | 451 | 49.0 | 6.4  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 26      | 453  | 451 | 453 | 455 | 455 | 455 | 454 | 457 | 456 | 456 | 459 | 463 | 462 | 463 | 466 | 462 | 463 | 463 | 467 | 471  | 477  | 481  | 482  | 496  | 496  | 451 | 46.4 | 1.2  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 27      | 497  | 500 | 501 | 503 | 511 | 516 | 524 | 523 | 516 | 509 | 492 | 482 | 478 | 478 | 473 | 474 | 474 | 477 | 480 | 481  | 486  | 485  | 485  | 524  | 489  | 473 | 49.3 | 1.6  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 28      | 488  | 487 | 483 | 474 | 467 | 467 | 474 | 483 | 485 | 471 | 463 | 471 | 470 | 465 | 464 | 474 | 468 | 470 | 470 | 469  | 469  | 477  | 475  | 480  | 488  | 463 | 47.4 | 0.7  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 29      | 503  | 524 | 522 | 505 | 500 | 494 | 491 | 479 | 474 | 484 | 506 | 498 | 489 | 481 | 490 | 490 | 482 | 463 | 460 | 455  | 468  | 479  | 485  | 469  | 524  | 455 | 48.7 | 1.8  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 30      | 466  | 532 | 543 | 590 | 542 | 467 | 460 | 454 | 451 | 451 | 450 | 449 | 451 | 450 | 451 | 454 | 453 | 453 | 453 | 453  | 457  | 458  | 457  | 459  | 590  | 449 | 47.2 | 3.8  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 31      | 461  | 461 | 464 | 469 | 473 | 478 | 484 | 486 | 485 | 470 | 458 | 458 | 458 | *** | *** | *** | 457 | 456 | 461 | 467  | 472  | 479  | 487  | 486  | 505  | 505 | 456  | 47.2 | 1.4  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 最大値     | 632  | 650 | 715 | 759 | 731 | 728 | 705 | 677 | 624 | 569 | 558 | 505 | 456 | 435 | 428 | 436 | 455 | 445 | 441 | 440  | 441  | 445  | 445  | 447  | 759  | 428 | 46.3 | 12.0 |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 最小値     | 447  | 449 | 449 | 450 | 451 | 452 | 452 | 450 | 449 | 450 | 451 | 454 | 454 | 454 | 454 | 455 | 455 | 460 | 471 | 503  | 515  | 548  | 54.4 | 598  | 598  | 447 | 47.1 | 4.0  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 平均値     | 499  | 505 | 510 | 519 | 516 | 511 | 508 | 503 | 499 | 491 | 486 | 485 | 485 | 483 | 483 | 481 | 481 | 481 | 484 | 488  | 490  | 493  | 482  | 496  | 496  | 495 | 49.5 | 4.4  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 標準偏差    | 39   | 47  | 56  | 67  | 58  | 55  | 58  | 56  | 51  | 37  | 29  | 30  | 35  | 36  | 34  | 33  | 33  | 38  | 41  | 40   | 35   | 31   | 28   | 34   | 34   | 4.4 | 4.4  | 4.4  |      |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 測定時間    | 31   | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 31  | 30  | 30  | 31  | 31  | 31  | 31  | 31   | 31   | 31   | 31   | 31   | 31   | 31  | 31   | 742  | 742  |  |  |     |         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |        |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 有効測定日数  | 31   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |     |      |      |      |  |  | 742 | 36698.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 75.9 | 42.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49.5 | 56.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 46.3 | 非有効測定日 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 113/01 |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 測定値ランク  | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |     |      |      |      |  |  | 6   | 31      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 36   | 61   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 66   | 71   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 76   | 81     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 86     | 91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 96 | 101 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TOTAL |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 時間数     | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |     |      |      |      |  |  | 0   | 0       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0      | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0     | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 742 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |
| 出現割合(%) | 0    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |      |     |      |      |      |  |  | 0   | 0       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0    | 0      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0      | 0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0  | 0   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0     | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0 | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 0   | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 100 |





盛郷放射線測定所

2017年12月

単位:nGy/h

| 時刻<br>日 | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20    | 21   | 22   | 23   | 24   | 最大値     | 最小値  | 平均値  | 標準偏差 | 測定時間 |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|---------|------|------|------|------|---------|--|--|--|--|---------|--|--|--|--|----------|--|--|--|--|----------|--|--|--|--|---------|--|--|--|--|----------|--|--|--|--|-----|--|--|--|--|
| 1       | 46.4 | 46.5 | 47.0 | 47.4 | 48.5 | 48.4 | 48.6 | 48.9 | 48.4 | 49.0 | 51.4 | 51.6 | 49.4 | 48.4 | 50.0 | 49.6 | 48.4 | 49.1 | 46.6 | 46.1  | 46.4 | 46.6 | 47.0 | 46.5 | 51.6    | 46.1 | 48.3 | 48.3 | 1.6  | 24      |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 2       | 47.1 | 47.7 | 47.5 | 47.3 | 47.9 | 48.1 | 48.8 | 49.3 | 49.0 | 48.4 | 47.2 | 46.8 | 46.5 | 46.5 | 46.4 | 46.2 | 46.7 | 47.1 | 48.2 | 49.1  | 50.0 | 50.9 | 51.8 | 52.8 | 52.8    | 52.8 | 46.2 | 48.2 | 1.8  | 24      |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 3       | 53.5 | 53.7 | 53.4 | 54.1 | 54.2 | 55.1 | 55.8 | 56.6 | 57.2 | 54.8 | 51.5 | 48.9 | 47.8 | 47.1 | 46.9 | 46.7 | 47.1 | 47.6 | 48.2 | 48.9  | 49.7 | 50.8 | 51.5 | 52.2 | 52.2    | 52.2 | 46.7 | 51.4 | 3.4  | 24      |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 4       | 53.0 | 53.4 | 53.7 | 54.8 | 55.2 | 54.7 | 55.4 | 55.8 | 54.5 | 53.3 | 53.1 | 52.7 | 52.2 | 52.2 | 52.0 | 52.1 | 52.5 | 52.5 | 50.0 | 48.4  | 48.8 | 49.7 | 50.4 | 51.5 | 55.8    | 55.8 | 52.7 | 52.1 | 2.1  | 24      |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 5       | 51.4 | 51.3 | 51.6 | 51.5 | 51.4 | 51.2 | 51.0 | 50.8 | 49.8 | 48.8 | 47.7 | 47.1 | 46.8 | 46.6 | 46.6 | 46.7 | 46.5 | 46.3 | 46.5 | 46.4  | 46.5 | 46.8 | 47.6 | 47.5 | 47.5    | 46.3 | 48.5 | 2.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 6       | 47.1 | 47.3 | 47.6 | 47.5 | 47.7 | 48.0 | 48.5 | 49.0 | 48.4 | 47.6 | 47.6 | 47.0 | 47.0 | 47.1 | 46.8 | 46.8 | 46.9 | 47.0 | 47.1 | 47.7  | 48.3 | 49.5 | 50.5 | 51.4 | 51.4    | 46.8 | 47.9 | 1.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 7       | 51.9 | 52.4 | 53.0 | 54.1 | 54.8 | 55.6 | 56.2 | 56.9 | 57.0 | 53.1 | 49.1 | 46.1 | 47.6 | 47.3 | 47.1 | 47.2 | 47.3 | 48.0 | 49.1 | 50.0  | 51.1 | 52.1 | 52.8 | 53.2 | 57.0    | 47.1 | 51.5 | 3.3  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 8       | 53.7 | 54.2 | 56.0 | 55.3 | 55.2 | 55.2 | 56.0 | 57.3 | 58.3 | 55.0 | 50.8 | 47.9 | 55.3 | 55.2 | 62.0 | 76.0 | 84.0 | 82.9 | 94.9 | 104.8 | 87.9 | 81.7 | 74.8 | 69.6 | 104.8   | 47.9 | 66.0 | 15.8 | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 9       | 61.8 | 52.8 | 47.1 | 42.6 | 42.3 | 43.1 | 42.3 | 42.3 | 42.1 | 41.8 | 41.7 | 42.2 | 42.8 | 43.4 | 43.7 | 44.0 | 44.9 | 45.8 | 46.5 | 46.6  | 46.4 | 46.4 | 46.4 | 46.7 | 61.8    | 41.7 | 45.2 | 4.4  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 10      | 46.9 | 46.9 | 47.1 | 47.4 | 47.6 | 47.8 | 48.0 | 48.0 | 48.5 | 48.6 | 47.6 | 46.3 | 46.1 | 46.2 | 46.1 | 46.2 | 46.8 | 47.5 | 48.0 | 48.1  | 48.5 | 50.6 | 52.0 | 52.0 | 52.0    | 46.1 | 47.9 | 1.6  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 11      | 51.1 | 49.8 | 49.8 | 50.0 | 50.3 | 50.8 | 50.9 | 51.2 | 51.7 | 51.5 | 49.9 | 47.1 | 50.5 | 48.9 | 47.6 | 46.9 | 46.3 | 46.1 | 45.8 | 45.8  | 46.1 | 46.2 | 46.1 | 46.0 | 45.8    | 45.8 | 46.6 | 2.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 12      | 46.0 | 46.1 | 46.1 | 46.1 | 46.2 | 46.3 | 46.4 | 46.4 | 46.4 | 46.6 | 46.5 | 46.7 | 47.0 | 47.0 | 47.0 | 46.9 | 46.5 | 46.4 | 46.2 | 46.5  | 46.5 | 46.3 | 46.4 | 46.6 | 46.6    | 47.0 | 46.0 | 46.4 | 0.3  | 24      |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 13      | 46.6 | 46.7 | 46.8 | 46.8 | 46.9 | 46.8 | 47.0 | 46.9 | 47.2 | 47.2 | 47.3 | 47.2 | 47.4 | 47.7 | 51.9 | 54.3 | 53.5 | 52.5 | 54.3 | 53.8  | 53.1 | 53.7 | 50.0 | 56.5 | 56.5    | 46.6 | 49.7 | 3.4  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 14      | 54.1 | 51.5 | 50.0 | 51.0 | 48.2 | 45.4 | 44.7 | 45.7 | 52.2 | 57.3 | 56.9 | 51.5 | 50.6 | 50.2 | 47.9 | 44.7 | 45.9 | 45.9 | 45.4 | 44.6  | 45.1 | 45.8 | 50.7 | 51.7 | 57.3    | 44.6 | 49.0 | 3.9  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 15      | 49.9 | 48.4 | 48.5 | 48.9 | 48.4 | 49.2 | 50.4 | 51.5 | 51.8 | 49.4 | 48.5 | 47.2 | 46.4 | 46.4 | 45.7 | 45.7 | 46.4 | 47.1 | 48.2 | 48.6  | 49.0 | 49.1 | 48.9 | 49.2 | 51.8    | 45.7 | 48.4 | 1.6  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 16      | 49.4 | 50.0 | 52.2 | 52.6 | 51.9 | 52.0 | 52.1 | 52.6 | 52.5 | 52.1 | 51.7 | 51.1 | 48.5 | 47.3 | 46.7 | 46.7 | 47.3 | 47.9 | 48.2 | 47.1  | 46.4 | 46.4 | 46.2 | 46.0 | 52.6    | 46.0 | 49.4 | 2.5  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 17      | 46.3 | 46.9 | 51.0 | 48.4 | 46.7 | 47.4 | 51.9 | 52.1 | 53.8 | 55.3 | 52.1 | 55.8 | 60.1 | 53.2 | 47.0 | 46.9 | 46.5 | 46.4 | 46.2 | 46.5  | 46.5 | 46.2 | 46.4 | 46.6 | 47.0    | 46.0 | 50.0 | 4.0  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 18      | 47.1 | 47.4 | 48.1 | 48.7 | 49.6 | 50.5 | 51.0 | 51.3 | 50.3 | 49.1 | 47.7 | 47.4 | 47.2 | 47.1 | 46.5 | 46.4 | 46.8 | 47.2 | 48.1 | 48.9  | 49.4 | 49.3 | 49.5 | 48.8 | 51.3    | 46.4 | 48.5 | 1.4  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 19      | 49.3 | 49.8 | 49.6 | 50.0 | 50.7 | 50.8 | 50.8 | 51.1 | 51.0 | 49.8 | 47.4 | 50.7 | 58.6 | 54.3 | 53.1 | 50.4 | 50.4 | 51.8 | 50.7 | 49.6  | 48.6 | 48.2 | 47.8 | 48.3 | 59.6    | 47.4 | 50.6 | 2.5  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 20      | 48.1 | 48.2 | 48.5 | 48.9 | 49.2 | 48.9 | 48.8 | 49.1 | 49.2 | 49.6 | 49.6 | 48.6 | 47.7 | 47.0 | 46.9 | 46.7 | 47.1 | 47.7 | 48.0 | 49.4  | 49.9 | 50.3 | 51.2 | 51.9 | 51.9    | 46.7 | 48.8 | 1.3  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 21      | 52.2 | 52.5 | 52.7 | 52.9 | 52.8 | 52.8 | 52.1 | 51.3 | 51.3 | 49.0 | 47.2 | 46.7 | 46.4 | 46.4 | 46.3 | 46.4 | 46.4 | 47.2 | 48.0 | 49.1  | 49.8 | 50.9 | 51.5 | 51.8 | 52.9    | 46.3 | 49.7 | 2.6  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 22      | 52.3 | 52.5 | 53.0 | 53.4 | 53.8 | 54.6 | 54.6 | 54.4 | 54.1 | 53.7 | 50.7 | 47.7 | 47.4 | 47.4 | 47.0 | 46.9 | 47.3 | 48.1 | 48.8 | 49.9  | 50.7 | 51.5 | 52.2 | 53.2 | 54.6    | 46.9 | 51.1 | 2.8  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 23      | 53.6 | 53.6 | 54.5 | 55.0 | 55.6 | 55.5 | 55.3 | 55.5 | 56.4 | 55.9 | 54.3 | 51.0 | 48.2 | 47.2 | 47.2 | 47.2 | 47.6 | 48.2 | 49.0 | 49.8  | 50.4 | 51.0 | 51.9 | 52.5 | 56.4    | 47.2 | 51.9 | 3.3  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 24      | 53.2 | 54.0 | 54.7 | 55.3 | 55.7 | 56.1 | 56.4 | 56.0 | 56.2 | 55.4 | 52.3 | 48.1 | 47.5 | 47.5 | 47.2 | 47.8 | 48.0 | 49.7 | 52.0 | 54.4  | 55.0 | 55.8 | 55.3 | 54.5 | 56.4    | 47.2 | 52.8 | 3.4  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 25      | 50.9 | 47.4 | 49.6 | 47.8 | 46.6 | 48.8 | 57.0 | 68.1 | 66.9 | 57.2 | 58.8 | 57.2 | 56.6 | 60.4 | 62.5 | 62.0 | 59.9 | 54.0 | 52.3 | 50.5  | 50.4 | 49.0 | 47.9 | 48.4 | 68.1    | 54.7 | 65.2 | 6.5  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 26      | 50.1 | 48.2 | 48.5 | 47.6 | 47.2 | 47.3 | 47.4 | 47.1 | 47.3 | 47.2 | 47.1 | 46.7 | 46.5 | 47.1 | 46.5 | 46.1 | 47.1 | 47.8 | 47.3 | 48.6  | 54.5 | 61.2 | 63.9 | 61.4 | 63.9    | 46.1 | 49.6 | 5.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 27      | 57.5 | 55.0 | 56.4 | 54.9 | 50.9 | 50.2 | 48.8 | 54.5 | 53.4 | 46.6 | 48.6 | 47.8 | 46.3 | 47.8 | 51.0 | 52.6 | 51.8 | 53.9 | 50.5 | 46.7  | 46.2 | 43.8 | 42.8 | 43.3 | 57.5    | 42.8 | 50.1 | 4.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 28      | 43.4 | 41.7 | 43.1 | 43.7 | 44.0 | 41.6 | 40.6 | 40.9 | 40.7 | 42.7 | 41.9 | 42.0 | 43.6 | 44.0 | 42.5 | 42.0 | 41.3 | 41.1 | 41.3 | 41.3  | 41.5 | 42.2 | 42.5 | 42.9 | 44.0    | 40.6 | 42.2 | 1.0  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 29      | 43.1 | 43.5 | 43.4 | 43.7 | 44.1 | 44.8 | 45.5 | 45.8 | 46.2 | 46.1 | 45.3 | 45.5 | 47.9 | 47.0 | 47.5 | 46.3 | 51.0 | 51.0 | 56.6 | 49.0  | 44.4 | 43.0 | 42.8 | 43.2 | 56.6    | 42.8 | 46.1 | 3.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 30      | 42.6 | 42.4 | 42.3 | 42.3 | 42.5 | 42.6 | 42.5 | 42.9 | 43.2 | 42.7 | 42.7 | 42.7 | 43.1 | 43.3 | 43.6 | 43.9 | 44.7 | 45.0 | 45.9 | 46.4  | 47.5 | 48.5 | 48.8 | 48.8 | 48.8    | 42.3 | 44.2 | 2.2  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 31      | 48.9 | 48.8 | 49.2 | 49.5 | 50.2 | 50.4 | 50.5 | 51.1 | 51.3 | 50.8 | 49.0 | 46.7 | 46.4 | 46.5 | 49.9 | 49.3 | 48.2 | 48.9 | 50.4 | 51.4  | 50.2 | 49.3 | 48.6 | 48.8 | 51.4    | 46.4 | 49.4 | 1.4  | 24   |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 最大値     | 61.8 | 55.0 | 56.4 | 55.3 | 55.7 | 56.1 | 57.0 | 68.1 | 66.9 | 57.3 | 58.8 | 57.2 | 60.1 | 60.4 | 62.5 | 76.0 | 84.0 | 82.9 | 94.9 | 104.8 | 87.9 | 81.7 | 74.8 | 69.6 | 104.8   | 66.0 | 42.2 |      |      |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 最小値     | 42.6 | 41.7 | 42.3 | 42.3 | 42.3 | 41.6 | 40.6 | 40.9 | 40.7 | 41.8 | 41.7 | 42.0 | 42.8 | 43.3 | 42.5 | 42.0 | 41.3 | 41.1 | 41.3 | 41.3  | 41.5 | 42.2 | 42.5 | 42.9 | 44.0    | 40.6 | 40.6 | 42.2 |      |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 平均値     | 50.0 | 49.4 | 49.7 | 49.7 | 49.6 | 49.7 | 50.2 | 51.0 | 51.2 | 50.2 | 49.1 | 48.2 | 48.7 | 48.2 | 48.6 | 48.8 | 49.1 | 49.3 | 50.0 | 50.1  | 49.8 | 50.1 | 50.2 | 50.5 | 50.5    | 49.6 | 49.6 | 49.6 |      |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 標準偏差    | 4.2  | 3.5  | 3.7  | 3.9  | 3.9  | 4.0  | 4.4  | 5.4  | 5.3  | 4.2  | 3.8  | 3.4  | 4.4  | 3.6  | 4.6  | 6.3  | 7.3  | 6.8  | 8.8  | 10.4  | 7.6  | 7.0  | 6.1  | 5.3  | 5.3     | 4.6  | 5.6  | 5.6  |      |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 測定時間    | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31   | 31    | 31   | 31   | 31   | 31   | 31      | 31   | 31   | 744  |      |         |  |  |  |  |         |  |  |  |  |          |  |  |  |  |          |  |  |  |  |         |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 有効測定日数  | 31   | 744  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      | 測定値合計   |      |      |      |      | 測定値の最小値 |  |  |  |  | 測定値の最大値 |  |  |  |  | 日平均値の最小値 |  |  |  |  | 日平均値の最大値 |  |  |  |  | 日平均値    |  |  |  |  | 局番/項目コード |  |  |  |  |     |  |  |  |  |
|         | 31   | 744  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      | 36929.7 |      |      |      |      | 104.8   |  |  |  |  | 49.6    |  |  |  |  | 66.0     |  |  |  |  | 42.2     |  |  |  |  | 113.0/1 |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 測定値ランク  | 0    | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      | 1       |      |      |      |      | 1       |  |  |  |  | 1       |  |  |  |  | 1        |  |  |  |  | 1        |  |  |  |  | TOTAL   |  |  |  |  |          |  |  |  |  |     |  |  |  |  |
| 時間数     | 0    | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      | 3       |      |      |      |      | 7       |  |  |  |  | 3       |  |  |  |  | 2        |  |  |  |  | 0        |  |  |  |  | 1       |  |  |  |  | 744      |  |  |  |  |     |  |  |  |  |
| 出現割合(%) | 0    | 0    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      | 0.403   |      |      |      |      | 0.941   |  |  |  |  | 0.403   |  |  |  |  | 0.269    |  |  |  |  | 0        |  |  |  |  | 0.134   |  |  |  |  | 0.134    |  |  |  |  | 100 |  |  |  |  |













伏見 I 放射線測定所

2017年10月

単位:nGy/h

Table with columns for date/time, measurement values (1-31), daily total, 1-hour max/min, average, and daily total range. Includes summary statistics for range, average, and deviation.







**高浜発電所及び大飯発電所環境放射線監視結果  
(平成29年度第3四半期)**

平成30年11月発行

編集・発行 京都府環境部環境管理課

〒602-8570

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