

Performance (STRESS values) for Large Colour Difference data (LCD)

| data set | Calculations with data for grey backgrounds (chromaticity near D65) |                                |       |       |       |                                            |                                   |                              |                                  |                               |
|----------|---------------------------------------------------------------------|--------------------------------|-------|-------|-------|--------------------------------------------|-----------------------------------|------------------------------|----------------------------------|-------------------------------|
|          | Colour difference $\Delta E^*_{\text{CIELAB}}$                      |                                |       |       |       | Colour difference formula and STRESS value |                                   |                              |                                  |                               |
| Name     | Pairs                                                               | $\Delta E^*_{\text{ab}}$ range | min   | max   | mean  | CIELAB<br>$\Delta E_{\text{ab\_PF}}$       | CMC<br>$\Delta E_{\text{CM\_PF}}$ | CIE94<br>$\Delta E_{94\_PF}$ | CIEDE2000<br>$\Delta E_{00\_PF}$ | LABJND<br>$\Delta E_{85\_PF}$ |
| OS_0128  | 128                                                                 | 0.0 to <99.0                   | 7.33  | 21.63 | 14.32 | 21.7                                       | 22.2                              | 18.5                         | 19.0                             | 19.1                          |
| MU_0844  | 844                                                                 | 0.0 to <99.0                   | 4.17  | 22.59 | 10.05 | 12.7                                       | 24.3                              | 24.6                         | 23.7                             | 25.9                          |
| PO_1308  | 1308                                                                | 0.0 to <99.0                   | 0.87  | 26.19 | 8.9   | 26.4                                       | 30.0                              | 25.9                         | 28.0                             | 30.8                          |
| GU_0292  | 292                                                                 | 0.0 to <99.0                   | 4.79  | 20.86 | 11.42 | 21.1                                       | 18.9                              | 14.4                         | 14.7                             | 16.7                          |
| ZH_0144  | 144                                                                 | 0.0 to <99.0                   | 4.85  | 19.79 | 9.91  | 20.6                                       | 29.8                              | 22.5                         | 21.2                             | 18.3                          |
| BA_0238  | 238                                                                 | 0.0 to <99.0                   | 4.11  | 35.78 | 11.74 | 27.3                                       | 22.0                              | 19.2                         | 17.9                             | 23.4                          |
| RL_0080  | 80                                                                  | 0.0 to <99.0                   | 1.38  | 36.6  | 11.11 | 38.4                                       | 47.1                              | 45.5                         | 46.9                             | 38.7                          |
| KL_0624  | 624                                                                 | 0.0 to <99.0                   | 1.91  | 43.77 | 21.21 | 20.6                                       | 29.9                              | 25.2                         | 23.2                             | 22.8                          |
| OS_0128  | 0                                                                   |                                |       |       |       |                                            |                                   |                              |                                  |                               |
| MU_0844  | 17                                                                  | 0.0 to <5.0                    | 4.17  | 4.97  | 4.63  | 2.5                                        | 9.3                               | 4.1                          | 12.0                             | 8.6                           |
| PO_1308  | 268                                                                 | 0.0 to <5.0                    | 0.87  | 4.99  | 3.36  | 25.3                                       | 28.4                              | 24.1                         | 25.8                             | 27.5                          |
| GU_0292  | 1                                                                   | 0.0 to <5.0                    | 4.79  | 4.79  | 4.79  | 0.1                                        | 0.1                               | 0.1                          | 0.1                              | 0.1                           |
| ZH_0144  | 3                                                                   | 0.0 to <5.0                    | 4.85  | 4.96  | 4.91  | 0.8                                        | 6.4                               | 0.7                          | 4.1                              | 10.7                          |
| BA_0238  | 8                                                                   | 0.0 to <5.0                    | 4.11  | 4.92  | 4.63  | 21.2                                       | 13.6                              | 23.3                         | 18.4                             | 27.4                          |
| RL_0080  | 13                                                                  | 0.0 to <5.0                    | 1.38  | 4.93  | 3.27  | 19.2                                       | 20.4                              | 18.9                         | 17.6                             | 10.1                          |
| KL_0624  | 6                                                                   | 0.0 to <5.0                    | 1.91  | 4.88  | 3.23  | 47.4                                       | 48.6                              | 48.0                         | 50.2                             | 52.7                          |
| OS_0128  | 128                                                                 | 5.0 to <99.0                   | 7.33  | 21.63 | 14.32 | 21.7                                       | 22.2                              | 18.5                         | 19.0                             | 19.1                          |
| MU_0844  | 827                                                                 | 5.0 to <99.0                   | 5.01  | 22.59 | 10.16 | 12.8                                       | 24.4                              | 24.6                         | 23.8                             | 26.0                          |
| PO_1308  | 1040                                                                | 5.0 to <99.0                   | 5.01  | 26.19 | 10.33 | 26.1                                       | 30.0                              | 26.0                         | 28.1                             | 28.6                          |
| GU_0292  | 291                                                                 | 5.0 to <99.0                   | 5.33  | 20.86 | 11.44 | 21.1                                       | 18.9                              | 14.4                         | 14.7                             | 16.5                          |
| ZH_0144  | 141                                                                 | 5.0 to <99.0                   | 5.0   | 19.79 | 10.01 | 20.6                                       | 29.9                              | 22.6                         | 21.2                             | 18.1                          |
| BA_0238  | 230                                                                 | 5.0 to <99.0                   | 5.0   | 35.78 | 11.98 | 27.4                                       | 21.9                              | 19.0                         | 17.9                             | 22.1                          |
| RL_0080  | 67                                                                  | 5.0 to <99.0                   | 5.14  | 36.6  | 12.63 | 38.6                                       | 47.5                              | 45.8                         | 47.2                             | 33.8                          |
| KL_0624  | 618                                                                 | 5.0 to <99.0                   | 5.02  | 43.77 | 21.38 | 20.5                                       | 29.9                              | 25.2                         | 23.1                             | 22.6                          |
| OS_0128  | 9                                                                   | 5.0 to <10.0                   | 7.33  | 9.86  | 8.71  | 22.6                                       | 21.9                              | 20.9                         | 20.2                             | 21.7                          |
| MU_0844  | 411                                                                 | 5.0 to <10.0                   | 5.01  | 9.99  | 8.58  | 12.0                                       | 22.8                              | 25.8                         | 25.5                             | 20.6                          |
| PO_1308  | 567                                                                 | 5.0 to <10.0                   | 5.01  | 9.99  | 7.44  | 25.2                                       | 29.3                              | 24.9                         | 28.4                             | 24.9                          |
| GU_0292  | 95                                                                  | 5.0 to <10.0                   | 5.33  | 9.97  | 8.64  | 20.5                                       | 15.6                              | 13.8                         | 13.0                             | 18.3                          |
| ZH_0144  | 70                                                                  | 5.0 to <10.0                   | 5.0   | 9.98  | 7.4   | 22.2                                       | 26.1                              | 19.3                         | 18.5                             | 17.9                          |
| BA_0238  | 33                                                                  | 5.0 to <10.0                   | 5.0   | 9.96  | 7.09  | 23.8                                       | 22.1                              | 28.7                         | 19.4                             | 39.4                          |
| RL_0080  | 27                                                                  | 5.0 to <10.0                   | 5.14  | 9.99  | 7.54  | 37.2                                       | 47.0                              | 44.5                         | 48.2                             | 36.6                          |
| KL_0624  | 68                                                                  | 5.0 to <10.0                   | 5.02  | 9.99  | 8.08  | 41.6                                       | 42.4                              | 41.0                         | 42.1                             | 38.4                          |
| OS_0128  | 115                                                                 | 10.0 to <20.0                  | 10.2  | 19.7  | 14.54 | 21.8                                       | 22.3                              | 18.1                         | 19.1                             | 18.4                          |
| MU_0844  | 412                                                                 | 10.0 to <20.0                  | 10.0  | 19.34 | 11.63 | 13.0                                       | 23.7                              | 23.1                         | 21.5                             | 28.9                          |
| PO_1308  | 460                                                                 | 10.0 to <20.0                  | 10.02 | 19.87 | 13.55 | 26.3                                       | 30.3                              | 26.4                         | 28.1                             | 28.2                          |
| GU_0292  | 195                                                                 | 10.0 to <20.0                  | 10.01 | 18.64 | 12.76 | 21.4                                       | 19.6                              | 14.4                         | 15.0                             | 13.8                          |
| ZH_0144  | 71                                                                  | 10.0 to <20.0                  | 10.02 | 19.79 | 12.59 | 19.0                                       | 29.3                              | 22.4                         | 22.3                             | 18.1                          |
| BA_0238  | 191                                                                 | 10.0 to <20.0                  | 10.11 | 19.3  | 12.39 | 27.1                                       | 22.3                              | 17.8                         | 17.9                             | 18.7                          |
| RL_0080  | 33                                                                  | 10.0 to <20.0                  | 10.1  | 19.9  | 14.34 | 34.1                                       | 41.8                              | 40.7                         | 45.2                             | 31.4                          |
| KL_0624  | 211                                                                 | 10.0 to <20.0                  | 10.0  | 19.95 | 14.86 | 27.0                                       | 30.3                              | 26.4                         | 26.9                             | 21.9                          |
| OS_0128  | 4                                                                   | 20.0 to <99.0                  | 20.01 | 21.63 | 20.85 | 16.4                                       | 14.5                              | 19.3                         | 12.1                             | 29.0                          |
| MU_0844  | 4                                                                   | 20.0 to <99.0                  | 20.81 | 22.59 | 21.89 | 11.8                                       | 1.9                               | 8.3                          | 1.2                              | 3.3                           |
| PO_1308  | 13                                                                  | 20.0 to <99.0                  | 20.02 | 26.19 | 22.77 | 21.7                                       | 22.5                              | 19.8                         | 16.8                             | 22.1                          |
| GU_0292  | 1                                                                   | 20.0 to <99.0                  | 20.86 | 20.86 | 20.86 | 0.1                                        | 0.1                               | 0.1                          | 0.1                              | 0.1                           |
| ZH_0144  | 0                                                                   |                                |       |       |       |                                            |                                   |                              |                                  |                               |
| BA_0238  | 6                                                                   | 20.0 to <99.0                  | 20.19 | 35.78 | 26.08 | 12.8                                       | 6.5                               | 11.2                         | 11.8                             | 10.8                          |
| RL_0080  | 7                                                                   | 20.0 to <99.0                  | 20.07 | 36.6  | 24.25 | 34.2                                       | 42.4                              | 45.3                         | 41.2                             | 35.2                          |
| KL_0624  | 339                                                                 | 20.0 to <99.0                  | 20.06 | 43.77 | 28.11 | 15.9                                       | 28.2                              | 22.9                         | 20.0                             | 18.6                          |

data sets: OS\_0128, MU\_0844, PO\_1308, GU\_0292, ZH\_0144, BA\_0238, RL\_0080, KL\_0624

Performance (STRESS values) for Large Colour Difference data (LCD)

| data set | Calculations with data for grey backgrounds (chromaticity near D65) |                          |       |       |       |                                            |                |                  |                      |                   |
|----------|---------------------------------------------------------------------|--------------------------|-------|-------|-------|--------------------------------------------|----------------|------------------|----------------------|-------------------|
|          | Colour difference $\Delta E^*_{CIEDE2000}$                          |                          |       |       |       | Colour difference formula and STRESS value |                |                  |                      |                   |
| Name     | Pairs                                                               | $\Delta E^*_{C00}$ range | min   | max   | mean  | CIELAB $\Delta E$                          | CMC $\Delta E$ | CIE94 $\Delta E$ | CIEDE2000 $\Delta E$ | LABJND $\Delta E$ |
| OS_0128  | 128                                                                 | 0.0 to <99.0             | 7.33  | 21.63 | 14.32 | 21.7                                       | 22.2           | 18.5             | 19.0                 | 19.1              |
| MU_0844  | 844                                                                 | 0.0 to <99.0             | 4.17  | 22.59 | 10.05 | 12.7                                       | 24.3           | 24.6             | 23.7                 | 25.9              |
| PO_1308  | 1308                                                                | 0.0 to <99.0             | 0.87  | 26.19 | 8.9   | 26.4                                       | 30.0           | 25.9             | 28.0                 | 30.8              |
| GU_0292  | 292                                                                 | 0.0 to <99.0             | 4.79  | 20.86 | 11.42 | 21.1                                       | 18.9           | 14.4             | 14.7                 | 16.7              |
| ZH_0144  | 144                                                                 | 0.0 to <99.0             | 4.85  | 19.79 | 9.91  | 20.6                                       | 29.8           | 22.5             | 21.2                 | 18.3              |
| BA_0238  | 238                                                                 | 0.0 to <99.0             | 4.11  | 35.78 | 11.74 | 27.3                                       | 22.0           | 19.2             | 17.9                 | 23.4              |
| RL_0080  | 80                                                                  | 0.0 to <99.0             | 1.38  | 36.6  | 11.11 | 38.4                                       | 47.1           | 45.5             | 46.9                 | 38.7              |
| KL_0624  | 624                                                                 | 0.0 to <99.0             | 1.91  | 43.77 | 21.21 | 20.6                                       | 29.9           | 25.2             | 23.2                 | 22.8              |
| OS_0128  | 7                                                                   | 0.0 to <5.0              | 7.33  | 16.91 | 10.65 | 13.7                                       | 13.4           | 15.9             | 11.9                 | 16.6              |
| MU_0844  | 228                                                                 | 0.0 to <5.0              | 4.17  | 15.18 | 8.58  | 11.2                                       | 20.0           | 20.1             | 22.4                 | 19.3              |
| PO_1308  | 543                                                                 | 0.0 to <5.0              | 0.87  | 12.69 | 5.17  | 26.1                                       | 29.7           | 26.2             | 27.1                 | 31.0              |
| GU_0292  | 35                                                                  | 0.0 to <5.0              | 4.79  | 15.27 | 9.73  | 19.3                                       | 17.2           | 20.4             | 19.2                 | 23.7              |
| ZH_0144  | 73                                                                  | 0.0 to <5.0              | 4.85  | 16.42 | 8.06  | 22.8                                       | 17.3           | 15.8             | 15.5                 | 18.2              |
| BA_0238  | 38                                                                  | 0.0 to <5.0              | 4.11  | 20.19 | 8.22  | 28.0                                       | 19.9           | 30.1             | 21.8                 | 35.4              |
| RL_0080  | 34                                                                  | 0.0 to <5.0              | 1.38  | 20.07 | 7.45  | 34.5                                       | 45.0           | 50.0             | 48.7                 | 52.9              |
| KL_0624  | 41                                                                  | 0.0 to <5.0              | 1.91  | 15.72 | 8.12  | 51.6                                       | 49.8           | 48.7             | 49.8                 | 47.7              |
| OS_0128  | 121                                                                 | 5.0 to <99.0             | 8.75  | 21.63 | 14.54 | 21.5                                       | 22.3           | 18.5             | 19.0                 | 18.5              |
| MU_0844  | 616                                                                 | 5.0 to <99.0             | 5.76  | 22.59 | 10.6  | 13.2                                       | 21.9           | 20.3             | 18.7                 | 25.9              |
| PO_1308  | 765                                                                 | 5.0 to <99.0             | 4.12  | 26.19 | 11.55 | 25.8                                       | 29.8           | 25.7             | 27.7                 | 27.8              |
| GU_0292  | 257                                                                 | 5.0 to <99.0             | 6.31  | 20.86 | 11.65 | 19.5                                       | 19.0           | 13.8             | 14.1                 | 16.0              |
| ZH_0144  | 71                                                                  | 5.0 to <99.0             | 6.3   | 19.79 | 11.81 | 17.5                                       | 30.5           | 22.7             | 22.6                 | 16.8              |
| BA_0238  | 200                                                                 | 5.0 to <99.0             | 5.12  | 35.78 | 12.4  | 25.8                                       | 21.7           | 17.9             | 17.6                 | 18.5              |
| RL_0080  | 46                                                                  | 5.0 to <99.0             | 6.44  | 36.6  | 13.82 | 39.8                                       | 45.0           | 40.6             | 43.1                 | 29.9              |
| KL_0624  | 583                                                                 | 5.0 to <99.0             | 5.68  | 43.77 | 22.13 | 19.3                                       | 29.3           | 24.4             | 22.3                 | 21.7              |
| OS_0128  | 82                                                                  | 5.0 to <10.0             | 8.75  | 21.63 | 14.4  | 20.9                                       | 21.2           | 19.7             | 18.7                 | 18.7              |
| MU_0844  | 532                                                                 | 5.0 to <10.0             | 5.76  | 19.17 | 10.36 | 13.8                                       | 23.3           | 20.6             | 18.8                 | 24.7              |
| PO_1308  | 542                                                                 | 5.0 to <10.0             | 4.12  | 20.02 | 10.19 | 25.9                                       | 30.9           | 26.4             | 28.5                 | 26.6              |
| GU_0292  | 185                                                                 | 5.0 to <10.0             | 6.31  | 20.86 | 11.13 | 19.1                                       | 18.1           | 14.5             | 12.6                 | 17.6              |
| ZH_0144  | 60                                                                  | 5.0 to <10.0             | 6.3   | 16.88 | 11.11 | 17.9                                       | 24.7           | 16.9             | 17.3                 | 17.7              |
| BA_0238  | 147                                                                 | 5.0 to <10.0             | 5.12  | 29.29 | 11.7  | 22.7                                       | 20.7           | 18.7             | 15.2                 | 19.8              |
| RL_0080  | 33                                                                  | 5.0 to <10.0             | 6.44  | 24.29 | 12.62 | 38.9                                       | 40.4           | 38.0             | 38.6                 | 30.1              |
| KL_0624  | 146                                                                 | 5.0 to <10.0             | 5.68  | 29.88 | 12.87 | 32.0                                       | 31.9           | 29.6             | 30.6                 | 29.5              |
| OS_0128  | 39                                                                  | 10.0 to <20.0            | 10.63 | 20.68 | 14.81 | 17.3                                       | 23.5           | 16.6             | 18.7                 | 18.2              |
| MU_0844  | 84                                                                  | 10.0 to <20.0            | 10.35 | 22.59 | 12.1  | 8.6                                        | 11.8           | 18.0             | 13.9                 | 30.6              |
| PO_1308  | 220                                                                 | 10.0 to <20.0            | 7.82  | 25.81 | 14.73 | 25.5                                       | 27.2           | 24.3             | 25.2                 | 27.6              |
| GU_0292  | 72                                                                  | 10.0 to <20.0            | 9.25  | 18.64 | 12.98 | 16.3                                       | 20.4           | 12.4             | 15.5                 | 12.3              |
| ZH_0144  | 11                                                                  | 10.0 to <20.0            | 10.34 | 19.79 | 15.66 | 15.1                                       | 27.7           | 15.2             | 19.2                 | 12.1              |
| BA_0238  | 53                                                                  | 10.0 to <20.0            | 9.83  | 35.78 | 14.36 | 18.5                                       | 19.7           | 13.5             | 19.1                 | 9.5               |
| RL_0080  | 12                                                                  | 10.0 to <20.0            | 9.99  | 26.36 | 15.23 | 44.5                                       | 47.0           | 37.2             | 48.0                 | 30.3              |
| KL_0624  | 301                                                                 | 10.0 to <20.0            | 10.79 | 41.13 | 22.71 | 18.8                                       | 26.7           | 21.8             | 21.0                 | 21.6              |
| OS_0128  | 0                                                                   |                          |       |       |       |                                            |                |                  |                      |                   |
| MU_0844  | 0                                                                   |                          |       |       |       |                                            |                |                  |                      |                   |
| PO_1308  | 3                                                                   | 20.0 to <99.0            | 24.26 | 26.19 | 25.31 | 7.8                                        | 14.5           | 6.9              | 6.5                  | 7.6               |
| GU_0292  | 0                                                                   |                          |       |       |       |                                            |                |                  |                      |                   |
| ZH_0144  | 0                                                                   |                          |       |       |       |                                            |                |                  |                      |                   |
| BA_0238  | 0                                                                   |                          |       |       |       |                                            |                |                  |                      |                   |
| RL_0080  | 1                                                                   | 20.0 to <99.0            | 36.6  | 36.6  | 36.6  | 0.1                                        | 0.1            | 0.1              | 0.1                  | 0.1               |
| KL_0624  | 136                                                                 | 20.0 to <99.0            | 23.23 | 43.77 | 30.79 | 11.3                                       | 23.3           | 16.6             | 13.5                 | 16.5              |

data sets: OS\_0128, MU\_0844, PO\_1308, GU\_0292, ZH\_0144, BA\_0238, RL\_0080, KL\_0624

Performance (STRESS values) for Large Colour Difference data (LCD)

| data set | Calculations with data for grey backgrounds (chromaticity near D65) |                          |      |       |       |                                            |                |                  |                      |                   |
|----------|---------------------------------------------------------------------|--------------------------|------|-------|-------|--------------------------------------------|----------------|------------------|----------------------|-------------------|
|          | Colour difference $\Delta E^*_{LABJND}$                             |                          |      |       |       | Colour difference formula and STRESS value |                |                  |                      |                   |
| Name     | Pairs                                                               | $\Delta E^*_{C85}$ range | min  | max   | mean  | CIELAB $\Delta E$                          | CMC $\Delta E$ | CIE94 $\Delta E$ | CIEDE2000 $\Delta E$ | LABJND $\Delta E$ |
| OS_0128  | 116                                                                 | 0.0 to <99.0             | 7.33 | 21.63 | 14.23 | 20.5                                       | 22.2           | 19.1             | 19.6                 | 19.5              |
| MU_0844  | 701                                                                 | 0.0 to <99.0             | 4.17 | 22.59 | 9.95  | 14.0                                       | 21.4           | 24.5             | 24.2                 | 24.2              |
| PO_1308  | 1283                                                                | 0.0 to <99.0             | 0.87 | 25.81 | 8.7   | 26.2                                       | 29.4           | 25.4             | 27.8                 | 30.9              |
| GU_0292  | 242                                                                 | 0.0 to <99.0             | 4.79 | 20.86 | 11.37 | 18.4                                       | 18.6           | 15.9             | 15.4                 | 18.8              |
| ZH_0144  | 141                                                                 | 0.0 to <99.0             | 4.85 | 19.79 | 9.82  | 20.3                                       | 30.2           | 23.0             | 21.5                 | 18.6              |
| BA_0238  | 212                                                                 | 0.0 to <99.0             | 4.11 | 35.78 | 11.38 | 25.6                                       | 20.8           | 19.6             | 16.8                 | 25.1              |
| RL_0080  | 76                                                                  | 0.0 to <99.0             | 1.38 | 36.6  | 10.81 | 39.0                                       | 48.8           | 48.8             | 49.4                 | 41.3              |
| KL_0624  | 273                                                                 | 0.0 to <99.0             | 1.91 | 41.4  | 16.6  | 28.3                                       | 37.0           | 31.7             | 30.9                 | 33.3              |
| OS_0128  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| MU_0844  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| PO_1308  | 16                                                                  | 0.0 to <5.0              | 0.87 | 2.94  | 1.71  | 29.2                                       | 33.6           | 31.0             | 35.6                 | 21.9              |
| GU_0292  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| ZH_0144  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| BA_0238  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| RL_0080  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| KL_0624  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| OS_0128  | 116                                                                 | 5.0 to <99.0             | 7.33 | 21.63 | 14.23 | 20.5                                       | 22.2           | 19.1             | 19.6                 | 19.5              |
| MU_0844  | 701                                                                 | 5.0 to <99.0             | 4.17 | 22.59 | 9.95  | 14.0                                       | 21.4           | 24.5             | 24.2                 | 24.2              |
| PO_1308  | 1267                                                                | 5.0 to <99.0             | 1.12 | 25.81 | 8.79  | 26.2                                       | 29.4           | 25.4             | 27.8                 | 30.8              |
| GU_0292  | 242                                                                 | 5.0 to <99.0             | 4.79 | 20.86 | 11.37 | 18.4                                       | 18.6           | 15.9             | 15.4                 | 18.8              |
| ZH_0144  | 141                                                                 | 5.0 to <99.0             | 4.85 | 19.79 | 9.82  | 20.3                                       | 30.2           | 23.0             | 21.5                 | 18.6              |
| BA_0238  | 212                                                                 | 5.0 to <99.0             | 4.11 | 35.78 | 11.38 | 25.6                                       | 20.8           | 19.6             | 16.8                 | 25.1              |
| RL_0080  | 76                                                                  | 5.0 to <99.0             | 1.38 | 36.6  | 10.81 | 39.0                                       | 48.8           | 48.8             | 49.4                 | 41.3              |
| KL_0624  | 273                                                                 | 5.0 to <99.0             | 1.91 | 41.4  | 16.6  | 28.3                                       | 37.0           | 31.7             | 30.9                 | 33.3              |
| OS_0128  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| MU_0844  | 2                                                                   | 5.0 to <10.0             | 4.69 | 5.26  | 4.97  | 3.1                                        | 4.7            | 4.5              | 4.9                  | 3.4               |
| PO_1308  | 52                                                                  | 5.0 to <10.0             | 1.12 | 7.58  | 3.13  | 22.7                                       | 25.9           | 22.0             | 26.6                 | 28.9              |
| GU_0292  | 1                                                                   | 5.0 to <10.0             | 7.57 | 7.57  | 7.57  | 0.1                                        | 0.1            | 0.1              | 0.1                  | 0.1               |
| ZH_0144  | 1                                                                   | 5.0 to <10.0             | 7.55 | 7.55  | 7.55  | 0.1                                        | 0.1            | 0.1              | 0.1                  | 0.1               |
| BA_0238  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| RL_0080  | 4                                                                   | 5.0 to <10.0             | 2.31 | 7.44  | 5.14  | 18.8                                       | 24.0           | 24.1             | 25.3                 | 31.7              |
| KL_0624  | 0                                                                   |                          |      |       |       |                                            |                |                  |                      |                   |
| OS_0128  | 4                                                                   | 10.0 to <20.0            | 7.33 | 10.69 | 9.1   | 23.5                                       | 15.5           | 8.1              | 7.7                  | 26.2              |
| MU_0844  | 133                                                                 | 10.0 to <20.0            | 4.42 | 15.18 | 8.88  | 14.4                                       | 30.7           | 26.3             | 33.5                 | 21.0              |
| PO_1308  | 259                                                                 | 10.0 to <20.0            | 1.31 | 10.26 | 4.9   | 21.8                                       | 25.5           | 21.7             | 26.6                 | 30.6              |
| GU_0292  | 34                                                                  | 10.0 to <20.0            | 5.33 | 14.0  | 9.25  | 22.2                                       | 14.3           | 14.5             | 13.6                 | 18.9              |
| ZH_0144  | 31                                                                  | 10.0 to <20.0            | 4.85 | 12.61 | 7.58  | 22.3                                       | 18.2           | 15.7             | 14.9                 | 20.9              |
| BA_0238  | 28                                                                  | 10.0 to <20.0            | 5.12 | 20.19 | 9.63  | 29.2                                       | 17.4           | 18.0             | 15.8                 | 19.1              |
| RL_0080  | 20                                                                  | 10.0 to <20.0            | 1.38 | 20.72 | 7.98  | 41.2                                       | 47.8           | 49.4             | 50.8                 | 44.4              |
| KL_0624  | 6                                                                   | 10.0 to <20.0            | 1.91 | 8.58  | 6.39  | 30.3                                       | 30.5           | 30.7             | 31.3                 | 35.1              |
| OS_0128  | 112                                                                 | 20.0 to <99.0            | 7.51 | 21.63 | 14.42 | 20.4                                       | 22.1           | 18.7             | 19.5                 | 19.2              |
| MU_0844  | 566                                                                 | 20.0 to <99.0            | 4.17 | 22.59 | 10.22 | 13.6                                       | 19.3           | 23.7             | 22.2                 | 23.6              |
| PO_1308  | 956                                                                 | 20.0 to <99.0            | 2.11 | 25.81 | 10.15 | 25.8                                       | 29.7           | 25.7             | 27.8                 | 29.9              |
| GU_0292  | 207                                                                 | 20.0 to <99.0            | 4.79 | 20.86 | 11.74 | 17.2                                       | 18.9           | 15.7             | 15.4                 | 18.8              |
| ZH_0144  | 109                                                                 | 20.0 to <99.0            | 4.92 | 19.79 | 10.48 | 19.6                                       | 31.2           | 23.4             | 22.4                 | 17.5              |
| BA_0238  | 184                                                                 | 20.0 to <99.0            | 4.11 | 35.78 | 11.65 | 25.0                                       | 21.1           | 19.1             | 16.7                 | 25.2              |
| RL_0080  | 52                                                                  | 20.0 to <99.0            | 2.51 | 36.6  | 12.33 | 38.7                                       | 47.7           | 47.4             | 47.9                 | 40.2              |
| KL_0624  | 267                                                                 | 20.0 to <99.0            | 2.02 | 41.4  | 16.83 | 28.3                                       | 36.8           | 31.5             | 30.6                 | 33.3              |

data sets: OS\_0128, MU\_0844, PO\_1308, GU\_0292, ZH\_0144, BA\_0238, RL\_0080, KL\_0624