# MR软采采集评估报告

## 1.软采采集率

软采采集率评估旨在软采采集的完整性。将在每次软采开启后，针对软采采集的数据分小区和栅格维度进行完整性评估，以保证全网覆盖评估的准确性。

### 1.1.软采小区采集率

软采小区涉及到本网和竞对两部分。如未要求开启竞对信息，则仅考虑本网软采小区采集率。

#### 1.1.1.软采小区采集率-本网

**定义：**软采采集率\_本网 = 软采数量（小区总采样点>0）/总小区数。注：软采采集到的小区采样点均大于0。

**完整性门限：**建议本网软采小区采集率高于**80%。**

本次12月软采小区采集率如下：

|  |  |  |  |
| --- | --- | --- | --- |
| **所属地区** | **现网小区数量** | **软采数量** | **软采采集率\_本网** |
| 宜昌 | 30986.0 | 27898.0 | 90.03% |
| 荆州 | 29818.0 | 26777.0 | 89.80% |
| 咸宁 | 16466.0 | 14537.0 | 88.28% |
| 黄石 | 15344.0 | 13400.0 | 87.33% |
| 恩施 | 22294.0 | 19460.0 | 87.29% |
| 黄冈 | 28116.0 | 22781.0 | 81.03% |
| 武汉 | 86787.0 | 60045.0 | 69.19% |
| 十堰 | 24289.0 | 15267.0 | 62.86% |
| 荆门 | 16683.0 | 10399.0 | 62.33% |
| 鄂州 | 7645.0 | 4722.0 | 61.77% |
| 襄阳 | 32999.0 | 20188.0 | 61.18% |
| 随州 | 15128.0 | 9199.0 | 60.81% |
| 江汉 | 5937.0 | 3593.0 | 60.52% |
| 潜江 | 4932.0 | 2964.0 | 60.10% |
| 天门 | 5385.0 | 3159.0 | 58.66% |
| 孝感 | 23296.0 | 13030.0 | 55.93% |
| 总计 | 366105.0 | 267419.0 | 73.04% |

#### 1.1.2.软采小区采集率-联通

**定义：**联通有效小区/软采数量**完整性门限：**建议本网软采小区采集率高于**80%。**

本次12月软采小区采集率如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **所属地区** | **现网小区数量** | **软采数量** | **联通有效小区** | **软采小区采集率\_联通** |
| 孝感 | 23296.0 | 13030.0 | 9353.0 | 71.78% |
| 鄂州 | 7645.0 | 4722.0 | 2989.0 | 63.30% |
| 襄阳 | 32999.0 | 20188.0 | 11250.0 | 55.73% |
| 潜江 | 4932.0 | 2964.0 | 1515.0 | 51.11% |
| 咸宁 | 16466.0 | 14537.0 | 6185.0 | 42.55% |
| 随州 | 15128.0 | 9199.0 | 3628.0 | 39.44% |
| 江汉 | 5937.0 | 3593.0 | 1286.0 | 35.79% |
| 荆门 | 16683.0 | 10399.0 | 3363.0 | 32.34% |
| 武汉 | 86787.0 | 60045.0 | 14909.0 | 24.83% |
| 天门 | 5385.0 | 3159.0 | 779.0 | 24.66% |
| 黄石 | 15344.0 | 13400.0 | 1794.0 | 13.39% |
| 宜昌 | 30986.0 | 27898.0 | 1239.0 | 4.44% |
| 黄冈 | 28116.0 | 22781.0 | 337.0 | 1.48% |
| 荆州 | 29818.0 | 26777.0 | 237.0 | 0.89% |
| 十堰 | 24289.0 | 15267.0 | 98.0 | 0.64% |
| 恩施 | 22294.0 | 19460.0 | 114.0 | 0.59% |
| 总计 | 366105.0 | 267419.0 | 59076.0 | 22.09% |

#### 1.1.3.软采小区采集率-电信

**定义：**电信有效小区/电信数量**完整性门限：**建议本网软采小区采集率高于**80%。**

本次12月软采小区采集率如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **所属地区** | **现网小区数量** | **软采数量** | **电信有效小区** | **软采小区采集率\_电信** |
| 孝感 | 23296.0 | 13030.0 | 11448.0 | 87.86% |
| 鄂州 | 7645.0 | 4722.0 | 3937.0 | 83.38% |
| 潜江 | 4932.0 | 2964.0 | 2376.0 | 80.16% |
| 荆州 | 29818.0 | 26777.0 | 19471.0 | 72.72% |
| 黄冈 | 28116.0 | 22781.0 | 12589.0 | 55.26% |
| 江汉 | 5937.0 | 3593.0 | 1978.0 | 55.05% |
| 黄石 | 15344.0 | 13400.0 | 7183.0 | 53.60% |
| 宜昌 | 30986.0 | 27898.0 | 8225.0 | 29.48% |
| 天门 | 5385.0 | 3159.0 | 764.0 | 24.18% |
| 恩施 | 22294.0 | 19460.0 | 3059.0 | 15.72% |
| 十堰 | 24289.0 | 15267.0 | 1834.0 | 12.01% |
| 武汉 | 86787.0 | 60045.0 | 3757.0 | 6.26% |
| 襄阳 | 32999.0 | 20188.0 | 670.0 | 3.32% |
| 荆门 | 16683.0 | 10399.0 | 331.0 | 3.18% |
| 随州 | 15128.0 | 9199.0 | 186.0 | 2.02% |
| 咸宁 | 16466.0 | 14537.0 | 91.0 | 0.63% |
| 总计 | 366105.0 | 267419.0 | 77899.0 | 29.13% |

### 1.2.软采栅格采集率

软采栅格当前亿阳无法全量栅格数据。

全量栅格数据拟采用湖北省面积除以栅格面积得到软采栅格数量。

栅格采集率=采集到的栅格数/全量栅格数据。

有效栅格采集率=采集到的有效栅格数（栅格采样点>100）/全量栅格数据。

#### 1.2.1.总体栅格采集率

对比2018年12月、2019年6月、2019年12月三次软采的数据情况，栅格采集率最 高为31.45%,有效栅格采集率最高在12.36%。

**完整性门限：**建议栅格采集率高于**50%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 武汉 | 全网 | 858082 | 30.12% | 30.12% | 23.31% | 11.05% | 54.29% | 27.56% |
| 孝感 | 全网 | 891700 | 21.87% | 21.87% | 9.56% | 5.61% | 36.60% | 25.15% |
| 鄂州 | 全网 | 158932 | 27.53% | 27.53% | 22.38% | 12.25% | 44.79% | 24.58% |
| 黄石 | 全网 | 456771 | 15.51% | 15.51% | 10.37% | 5.56% | 40.23% | 23.81% |
| 潜江 | 全网 | 200069 | 25.28% | 25.28% | 23.71% | 14.25% | 44.90% | 23.08% |
| 荆州 | 全网 | 1409984 | 7.04% | 7.04% | 29.75% | 6.14% | 47.94% | 16.96% |
| 黄冈 | 全网 | 1745494 | 5.82% | 5.82% | 11.14% | 5.81% | 32.45% | 16.85% |
| 随州 | 全网 | 961581 | 21.48% | 21.48% | 14.50% | 4.90% | 43.36% | 16.32% |
| 天门 | 全网 | 261883 | 8.94% | 8.94% | 16.22% | 8.45% | 34.71% | 15.89% |
| 襄阳 | 全网 | 1973052 | 11.83% | 11.83% | 9.96% | 3.49% | 46.19% | 15.83% |
| 江汉 | 全网 | 252278 | 19.54% | 19.54% | 14.43% | 4.60% | 29.48% | 13.92% |
| 咸宁 | 全网 | 974940 | 1.51% | 1.51% | 20.00% | 5.93% | 37.46% | 11.79% |
| 宜昌 | 全网 | 2124878 | 12.28% | 12.28% | 17.17% | 5.82% | 39.55% | 9.69% |
| 荆门 | 全网 | 1235352 | 20.92% | 20.92% | 21.87% | 8.19% | 21.46% | 4.19% |
| 恩施 | 全网 | 2410010 | 12.62% | 12.62% | 8.35% | 1.54% | 16.68% | 2.70% |
| 十堰 | 全网 | 2370852 | 3.81% | 3.81% | 0.45% | 0.19% | 0.25% | 0.13% |
| 全网 | 全网 | 18285858 | 12.36% | 12.36% | 13.60% | 4.81% | 31.45% | 11.89% |

#### 1.2.2.总体栅格采集率

分场景评估栅格采集情况：

**主城区：**主城区采集率较高，栅格采集率最高为94.78%,有效栅格采集率最高在 93.92%。

**完整性门限：**建议主城区栅格采集率高于**90%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 咸宁 | 主城区 | 3209 | 49.39% | 49.39% | 99.78% | 96.67% | 100.19% | 100.06% |
| 潜江 | 主城区 | 1167 | 98.71% | 98.71% | 99.83% | 84.32% | 99.91% | 99.83% |
| 天门 | 主城区 | 1599 | 95.31% | 95.31% | 99.25% | 76.80% | 100.44% | 99.69% |
| 随州 | 主城区 | 1986 | 99.95% | 99.95% | 99.50% | 64.85% | 99.95% | 99.65% |
| 襄阳 | 主城区 | 8962 | 99.97% | 99.97% | 99.12% | 81.64% | 100.17% | 99.19% |
| 孝感 | 主城区 | 2166 | 99.35% | 99.35% | 99.08% | 85.83% | 99.45% | 98.98% |
| 黄冈 | 主城区 | 3374 | 42.68% | 42.68% | 99.44% | 80.88% | 99.91% | 98.73% |
| 荆门 | 主城区 | 2874 | 99.97% | 99.97% | 99.83% | 94.92% | 99.97% | 98.54% |
| 黄石 | 主城区 | 5594 | 95.69% | 95.69% | 89.79% | 70.06% | 98.84% | 96.71% |
| 荆州 | 主城区 | 8840 | 96.54% | 96.54% | 99.17% | 84.80% | 99.75% | 96.45% |
| 江汉 | 主城区 | 3515 | 100.03% | 100.03% | 98.46% | 84.95% | 99.89% | 96.27% |
| 恩施 | 主城区 | 2133 | 99.44% | 99.44% | 97.05% | 76.98% | 99.16% | 96.11% |
| 武汉 | 主城区 | 31648 | 99.72% | 99.72% | 86.62% | 60.50% | 99.51% | 95.91% |
| 宜昌 | 主城区 | 9049 | 98.12% | 98.12% | 97.19% | 81.87% | 99.60% | 94.80% |
| 鄂州 | 主城区 | 3976 | 95.65% | 95.65% | 96.58% | 78.24% | 98.09% | 93.08% |
| 十堰 | 主城区 | 5825 | 79.95% | 79.95% | 66.70% | 36.12% | 20.52% | 5.27% |
| 全网 | 主城区 | 95925 | 93.92% | 93.92% | 92.20% | 71.98% | 94.78% | 91.17% |

**一般城区：**一般城区采集率较高，栅格采集率最高为89.74%,有效栅格采集率最高在 79.37%。

**完整性门限：**建议一般城区栅格采集率高于**80%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 咸宁 | 一般城区 | 4430 | 31.29% | 31.29% | 94.04% | 77.40% | 98.28% | 90.70% |
| 随州 | 一般城区 | 7924 | 97.27% | 97.27% | 86.64% | 56.40% | 97.77% | 89.85% |
| 襄阳 | 一般城区 | 12678 | 91.11% | 91.11% | 84.29% | 54.78% | 101.43% | 89.59% |
| 江汉 | 一般城区 | 3514 | 93.77% | 93.77% | 88.22% | 59.31% | 95.02% | 88.82% |
| 黄石 | 一般城区 | 4967 | 66.88% | 66.88% | 72.20% | 39.50% | 99.09% | 88.58% |
| 天门 | 一般城区 | 1769 | 68.46% | 68.46% | 86.49% | 60.66% | 97.80% | 86.72% |
| 孝感 | 一般城区 | 10834 | 74.87% | 74.87% | 81.52% | 43.81% | 94.35% | 82.00% |
| 荆门 | 一般城区 | 6953 | 98.29% | 98.29% | 93.41% | 80.53% | 95.31% | 78.30% |
| 恩施 | 一般城区 | 2917 | 99.18% | 99.18% | 85.53% | 49.98% | 95.54% | 76.48% |
| 荆州 | 一般城区 | 13224 | 58.67% | 58.67% | 90.00% | 45.79% | 96.87% | 75.06% |
| 宜昌 | 一般城区 | 16081 | 83.65% | 83.65% | 85.94% | 58.29% | 93.53% | 72.58% |
| 潜江 | 一般城区 | 4221 | 72.59% | 72.59% | 73.39% | 57.92% | 88.37% | 72.38% |
| 武汉 | 一般城区 | 83031 | 90.13% | 90.13% | 74.24% | 43.38% | 89.86% | 70.81% |
| 鄂州 | 一般城区 | 10683 | 70.88% | 70.88% | 62.92% | 40.32% | 86.52% | 64.21% |
| 黄冈 | 一般城区 | 6154 | 8.48% | 8.48% | 56.40% | 32.27% | 85.96% | 61.34% |
| 十堰 | 一般城区 | 6388 | 29.40% | 29.40% | 28.04% | 15.09% | 5.95% | 1.44% |
| 全网 | 一般城区 | 195775 | 79.37% | 79.37% | 76.72% | 47.46% | 89.74% | 72.68% |

**县城：**县城采集率较高，栅格采集率最高为89.65%,有效栅格采集率最高在 79.54%。

**完整性门限：**建议县城栅格采集率高于**70%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 咸宁 | 县城 | 9621.0 | 30.29% | 30.29% | 97.99% | 86.65% | 99.62% | 95.30% |
| 随州 | 县城 | 7324.0 | 97.62% | 97.62% | 90.96% | 59.89% | 100.68% | 94.83% |
| 荆州 | 县城 | 21716.0 | 79.76% | 79.76% | 95.80% | 67.66% | 99.01% | 92.30% |
| 襄阳 | 县城 | 21220.0 | 79.56% | 79.56% | 85.26% | 60.31% | 98.46% | 89.20% |
| 黄冈 | 县城 | 28273.0 | 49.04% | 49.04% | 81.88% | 61.98% | 96.39% | 87.65% |
| 黄石 | 县城 | 9953.0 | 74.20% | 74.20% | 76.46% | 48.43% | 94.09% | 85.96% |
| 宜昌 | 县城 | 19638.0 | 90.98% | 90.98% | 92.93% | 78.35% | 97.98% | 85.92% |
| 孝感 | 县城 | 28733.0 | 87.94% | 87.94% | 64.95% | 45.25% | 90.80% | 80.29% |
| 潜江 | 县城 | 1339.0 | 78.94% | 78.94% | 65.20% | 42.94% | 97.61% | 78.57% |
| 恩施 | 县城 | 8684.0 | 94.74% | 94.74% | 79.70% | 53.90% | 92.87% | 77.42% |
| 荆门 | 县城 | 10292.0 | 97.07% | 97.07% | 91.03% | 80.83% | 94.66% | 73.89% |
| 武汉 | 县城 | 10262.0 | 90.92% | 90.92% | 69.54% | 41.41% | 83.10% | 61.76% |
| 十堰 | 县城 | 11797.0 | 23.40% | 23.40% | 6.06% | 3.36% | 3.08% | 1.06% |
| 鄂州 | 县城 | nan | nan% | nan% | nan% | nan% | nan% | nan% |
| 江汉 | 县城 | nan | nan% | nan% | nan% | nan% | nan% | nan% |
| 天门 | 县城 | nan | nan% | nan% | nan% | nan% | nan% | nan% |
| 全网 | 县城 | 188857.0 | 74.14% | 74.14% | 78.19% | 57.80% | 89.65% | 79.54% |

**乡镇：**乡镇采集率较高，栅格采集率最高为85.83%,有效栅格采集率最高在 64.03%。

**完整性门限：**建议乡镇栅格采集率高于**50%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 随州 | 乡镇 | 9651 | 97.46% | 97.46% | 84.35% | 56.10% | 98.77% | 88.01% |
| 荆州 | 乡镇 | 18221 | 59.54% | 59.54% | 81.10% | 41.75% | 99.90% | 83.07% |
| 孝感 | 乡镇 | 20046 | 56.83% | 56.83% | 24.19% | 16.13% | 91.65% | 81.27% |
| 黄石 | 乡镇 | 10977 | 41.00% | 41.00% | 29.63% | 16.85% | 93.05% | 79.69% |
| 黄冈 | 乡镇 | 22041 | 27.55% | 27.55% | 48.19% | 30.38% | 94.45% | 77.01% |
| 鄂州 | 乡镇 | 4030 | 65.63% | 65.63% | 60.37% | 40.65% | 93.77% | 75.48% |
| 潜江 | 乡镇 | 8657 | 50.26% | 50.26% | 57.80% | 40.86% | 92.70% | 70.61% |
| 江汉 | 乡镇 | 6824 | 67.63% | 67.63% | 48.24% | 23.42% | 90.81% | 67.94% |
| 襄阳 | 乡镇 | 46101 | 51.47% | 51.47% | 54.53% | 27.85% | 90.07% | 62.92% |
| 咸宁 | 乡镇 | 12114 | 4.73% | 4.73% | 68.00% | 34.27% | 90.47% | 62.50% |
| 宜昌 | 乡镇 | 30586 | 65.71% | 65.71% | 77.78% | 53.29% | 92.46% | 61.52% |
| 荆门 | 乡镇 | 9846 | 77.49% | 77.49% | 73.75% | 58.17% | 87.55% | 57.20% |
| 天门 | 乡镇 | 10357 | 27.29% | 27.29% | 44.44% | 25.36% | 82.69% | 53.97% |
| 恩施 | 乡镇 | 6553 | 90.10% | 90.10% | 61.25% | 30.80% | 85.20% | 52.59% |
| 武汉 | 乡镇 | 9893 | 53.95% | 53.95% | 39.13% | 17.08% | 77.71% | 45.41% |
| 十堰 | 乡镇 | 14663 | 9.77% | 9.77% | 1.86% | 0.95% | 0.90% | 0.35% |
| 全网 | 乡镇 | 240569 | 50.83% | 50.83% | 54.22% | 32.34% | 85.83% | 64.03% |

**农村：**农村采集率较高，栅格采集率最高为29.33%,有效栅格采集率最高在 9.95%。

**完整性门限：**建议农村栅格采集率高于**10%。**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **地市** | **场景** | **栅格数** | **栅格采集率-201812** | **有效栅格率-201812** | **栅格采集率-209106** | **有效栅格采集率-201906** | **栅格采集率-201912** | **有效栅格采集率-201912** |
| 孝感 | 农村 | 824471 | 17.80% | 17.80% | 6.08% | 3.26% | 32.70% | 21.08% |
| 黄石 | 农村 | 423905 | 11.74% | 11.74% | 6.50% | 2.98% | 36.26% | 19.26% |
| 武汉 | 农村 | 712496 | 18.68% | 18.68% | 13.62% | 4.55% | 48.22% | 19.16% |
| 潜江 | 农村 | 184683 | 22.18% | 22.18% | 20.19% | 11.36% | 40.94% | 18.84% |
| 鄂州 | 农村 | 140162 | 21.17% | 21.17% | 16.09% | 7.43% | 38.71% | 18.17% |
| 黄冈 | 农村 | 1663781 | 4.76% | 4.76% | 9.08% | 4.28% | 30.64% | 14.74% |
| 随州 | 农村 | 928403 | 19.30% | 19.30% | 12.34% | 3.37% | 42.04% | 14.26% |
| 荆州 | 农村 | 1347290 | 4.06% | 4.06% | 26.93% | 3.75% | 45.62% | 13.77% |
| 天门 | 农村 | 247938 | 7.19% | 7.19% | 13.98% | 6.92% | 31.87% | 13.27% |
| 襄阳 | 农村 | 1871319 | 9.09% | 9.09% | 6.99% | 1.48% | 44.19% | 13.05% |
| 江汉 | 农村 | 238038 | 15.90% | 15.90% | 11.11% | 2.06% | 25.76% | 10.07% |
| 咸宁 | 农村 | 941045 | 0.87% | 0.87% | 17.97% | 4.10% | 35.82% | 9.67% |
| 宜昌 | 农村 | 2008028 | 9.69% | 9.69% | 14.51% | 3.61% | 38.29% | 7.47% |
| 荆门 | 农村 | 1203434 | 19.12% | 19.12% | 20.13% | 6.43% | 19.71% | 2.51% |
| 恩施 | 农村 | 2384285 | 11.86% | 11.86% | 7.74% | 1.13% | 16.08% | 2.13% |
| 十堰 | 农村 | 2298465 | 3.42% | 3.42% | 0.16% | 0.04% | 0.17% | 0.11% |
| 全网 | 农村 | 17417750 | 9.95% | 9.95% | 11.17% | 3.00% | 29.33% | 9.42% |