

| 序号 | source_name           | PID         | obs_date   | Receiver | beam_num | backend   | obs_mode       | RA          | DEC            | StartRA/ON | EndRA/OFF | StartDEC/ON | EndDEC/OFF | data_size(GB) |
|----|-----------------------|-------------|------------|----------|----------|-----------|----------------|-------------|----------------|------------|-----------|-------------|------------|---------------|
| 1  | Dec+2654              | 3049        | 2020-02-01 | 19波束接收机  | all      | spec(W+N) | DriftWithAngle | 05 20 00.00 | +26 54 10.4974 | /          | /         | /           | /          | 5012.46       |
| 2  | Dec+2654(1bit&1bit1k) | ZD2020_1_1  | 2020-02-01 | 19波束接收机  | all      | psr(4k)   | DriftWithAngle | 05 20 00.00 | +26 54 10.4974 | /          | /         | /           | /          | 13345.43      |
| 3  | G40.08+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Tracking       | 19 03 18.66 | +06 30 38.79   | /          | /         | /           | /          | 361.03        |
| 4  | G40.08+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Tracking       | 19 03 18.66 | +06 30 38.79   | /          | /         | /           | /          | 35.63         |
| 5  | G40.08+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 03 18.66 | +06 30 38.79   | /          | /         | /           | /          | 3762.45       |
| 6  | G40.08+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 03 18.66 | +06 30 38.79   | /          | /         | /           | /          | 371.69        |
| 7  | G38.22+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 18 59 53.47 | +04 51 29.08   | /          | /         | /           | /          | 3762.45       |
| 8  | G38.22+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 18 59 53.47 | +04 51 29.08   | /          | /         | /           | /          | 371.69        |
| 9  | G41.20+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 05 05.23 | +07 32 57.80   | /          | /         | /           | /          | 3762.45       |
| 10 | G41.20+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 05 05.23 | +07 32 57.80   | /          | /         | /           | /          | 371.69        |
| 11 | G46.78+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Tracking       | 19 15 33.22 | +12 29 42.68   | /          | /         | /           | /          | 361.03        |
| 12 | G46.78+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Tracking       | 19 15 33.22 | +12 29 42.68   | /          | /         | /           | /          | 35.63         |
| 13 | G46.78+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 15 33.22 | +12 29 42.68   | /          | /         | /           | /          | 3762.45       |
| 14 | G46.78+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 15 33.22 | +12 29 42.68   | /          | /         | /           | /          | 371.69        |
| 15 | G50.50+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 22 44.31 | +15 46 46.60   | /          | /         | /           | /          | 3762.45       |
| 16 | G50.50+0.42           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 22 44.31 | +15 46 46.60   | /          | /         | /           | /          | 371.69        |
| 17 | G54.95+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 31 57.84 | +19 39 07.97   | /          | /         | /           | /          | 3762.45       |
| 18 | G54.95+0.34           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 31 57.84 | +19 39 07.97   | /          | /         | /           | /          | 371.69        |
| 19 | G66.00-0.51           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Tracking       | 19 59 33.97 | +28 47 18.58   | /          | /         | /           | /          | 361.03        |
| 20 | G66.00-0.51           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Tracking       | 19 59 33.97 | +28 47 18.58   | /          | /         | /           | /          | 35.63         |
| 21 | G66.00-0.51           | 3055        | 2020-02-02 | 19波束接收机  | all      | psr       | Snapshot       | 19 59 33.97 | +28 47 18.58   | /          | /         | /           | /          | 3762.45       |
| 22 | G66.00-0.51           | 3055        | 2020-02-02 | 19波束接收机  | all      | spec(F)   | Snapshot       | 19 59 33.97 | +28 47 18.58   | /          | /         | /           | /          | 371.69        |
| 23 | Dec+2715              | 3049        | 2020-02-02 | 19波束接收机  | all      | spec(W+N) | DriftWithAngle | 05 20 00.00 | +27 15 50.7019 | /          | /         | /           | /          | 4003.64       |
| 24 | Dec+2715(1bit&1bit1k) | ZD2020_1_1  | 2020-02-02 | 19波束接收机  | all      | psr(4k)   | DriftWithAngle | 05 20 00.00 | +27 15 50.7019 | /          | /         | /           | /          | 10577.38      |
| 25 | G36.60+2.46           | 3055        | 2020-02-03 | 19波束接收机  | all      | psr       | Tracking       | 18 49 44.34 | +04 31 43.56   | /          | /         | /           | /          | 8940          |
| 26 | G36.60+2.46           | 3055        | 2020-02-03 | 19波束接收机  | all      | spec(F)   | Tracking       | 18 49 44.34 | +04 31 43.56   | /          | /         | /           | /          | 442.65        |
| 27 | G36.60+2.46_cal       | 3055        | 2020-02-03 | 19波束接收机  | all      | psr       | Tracking       | 18 49 44.34 | +04 31 43.56   | /          | /         | /           | /          | 720.67        |
| 28 | G36.60+2.46_cal       | 3055        | 2020-02-03 | 19波束接收机  | all      | spec(F)   | Tracking       | 18 49 44.34 | +04 31 43.56   | /          | /         | /           | /          | 35.63         |
| 29 | G32.05+1.69           | 3055        | 2020-02-03 | 19波束接收机  | all      | psr       | Tracking       | 18 43 25.77 | -00 00 47.93   | /          | /         | /           | /          | 8940          |
| 30 | G32.05+1.69           | 3055        | 2020-02-03 | 19波束接收机  | all      | spec(F)   | Tracking       | 18 43 25.77 | -00 00 47.93   | /          | /         | /           | /          | 442.65        |
| 31 | G32.25+3.39           | 3055        | 2020-02-03 | 19波束接收机  | all      | psr       | Tracking       | 18 38 10.12 | +00 46 43.14   | /          | /         | /           | /          | 8940          |
| 32 | G32.25+3.39           | 3055        | 2020-02-03 | 19波束接收机  | all      | spec(F)   | Tracking       | 18 38 10.12 | +00 46 43.14   | /          | /         | /           | /          | 442.65        |
| 33 | G54.01+1.95_cal       | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 19 24 48.40 | +19 33 58.0    | /          | /         | /           | /          | 37.93         |
| 34 | G54.01+1.95           | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 19 24 48.40 | +19 33 58.0    | /          | /         | /           | /          | 470.53        |
| 35 | G51.23+0.34           | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 19 25 08.00 | +16 28 46.0    | /          | /         | /           | /          | 470.53        |
| 36 | G35.30-0.402_cal      | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 18 57 23.10 | +02 14 52.0    | /          | /         | /           | /          | 37.93         |
| 37 | G35.30-0.402          | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 18 57 23.10 | +02 14 52.0    | /          | /         | /           | /          | 470.53        |
| 38 | G36.65-0.34           | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 18 59 38.20 | +03 15 05.0    | /          | /         | /           | /          | 470.53        |
| 39 | G57.20-2.71_cal       | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 19 47 47.40 | +20 11 42.0    | /          | /         | /           | /          | 37.93         |
| 40 | G57.20-2.71           | 2019a-064-P | 2020-02-04 | 19波束接收机  | beam1    | psr       | Tracking       | 19 47 47.40 | +20 11 42.0    | /          | /         | /           | /          | 470.53        |
| 41 | G40.76-0.17_cal       | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 05 48.65 | +06 55 36.39   | /          | /         | /           | /          | 37.93         |
| 42 | G40.76-0.17           | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 05 48.65 | +06 55 36.39   | /          | /         | /           | /          | 470.53        |
| 43 | G42.38+0.93           | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 04 57.40 | +08 52 09.0    | /          | /         | /           | /          | 470.53        |
| 44 | G59.55-1.69_cal       | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 49 16.90 | +22 23 31.0    | /          | /         | /           | /          | 37.93         |
| 45 | G59.55-1.69           | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 49 16.90 | +22 23 31.0    | /          | /         | /           | /          | 470.53        |
| 46 | G53.92+1.10           | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 26 31.71 | +19 04 10.21   | /          | /         | /           | /          | 470.53        |
| 47 | G59.40-2.97_cal       | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 53 03.30 | +21 42 18.0    | /          | /         | /           | /          | 37.93         |
| 48 | G59.40-2.97           | 2019a-064-P | 2020-02-05 | 19波束接收机  | beam1    | psr       | Tracking       | 19 53 03.30 | +21 42 18.0    | /          | /         | /           | /          | 470.53        |
| 49 | M31_Halo_Drift_9      | 3047        | 2020-02-05 | 19波束接收机  | all      | spec(F)   | DriftWithAngle | 23 50 44.33 | +40 11 06.7359 | /          | /         | /           | /          | 2123.58       |
| 50 | 0029+349              | 3047        | 2020-02-05 | 19波束接收机  | all      | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /          | /         | /           | /          | 177.24        |

|     |                    |          |            |         |       |         |                |             |                |   |   |   |   |         |
|-----|--------------------|----------|------------|---------|-------|---------|----------------|-------------|----------------|---|---|---|---|---------|
| 51  | J1827+0022_OFF     | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 27 00.00 | +00 12 00.0    | / | / | / | / | 37.93   |
| 52  | J1827+0022         | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 27 00.00 | +00 22 00      | / | / | / | / | 75.54   |
| 53  | J1836+0915_OFF     | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 36 23.00 | +09 25 00.0    | / | / | / | / | 37.93   |
| 54  | J1836+0915         | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 36 23.00 | +09 15 33      | / | / | / | / | 75.54   |
| 55  | J1846-0049_OFF     | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 46 00.00 | -00 39 00.0    | / | / | / | / | 37.93   |
| 56  | J1846-0049         | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 46 16.00 | -00 49 53.0    | / | / | / | / | 75.54   |
| 57  | J1851-0634_OFF     | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 51 00.00 | -06 24 00.0    | / | / | / | / | 37.93   |
| 58  | J1851-0634         | ZD2020_6 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 18 51 47.00 | -06 34 10.0    | / | / | / | / | 75.54   |
| 59  | G49.86-1.86_cal    | ZD2020_2 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 19 30 15.00 | 14 03 18.0     | / | / | / | / | 37.93   |
| 60  | G49.86-1.86        | ZD2020_2 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 19 30 15.00 | 14 03 18.0     | / | / | / | / | 470.53  |
| 61  | G54.31+1.27        | ZD2020_2 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 19 26 40.30 | 19 34 42.0     | / | / | / | / | 470.53  |
| 62  | G57.49-0.17_cal    | ZD2020_2 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 19 38 44.40 | 21 22 19.0     | / | / | / | / | 37.93   |
| 63  | G57.49-0.17        | ZD2020_2 | 2020-02-06 | 19波束接收机 | beam1 | psr     | Tracking       | 19 38 44.40 | 21 22 19       | / | / | / | / | 470.53  |
| 64  | J1618+3952_OFF     | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 18 00.00 | +39 42 00.0    | / | / | / | / | 37.93   |
| 65  | J1618+3952         | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 18 00.00 | +39 52 00.0    | / | / | / | / | 75.54   |
| 66  | J1631+1252_OFF     | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 31 00.00 | +12 42 00.0    | / | / | / | / | 37.93   |
| 67  | J1631+1252         | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 31 00.00 | +12 52 00.0    | / | / | / | / | 75.54   |
| 68  | J1637+0027_OFF     | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 37 00.00 | +00 37 00.0    | / | / | / | / | 37.93   |
| 69  | J1637+0027         | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 16 37 00.00 | +00 27 00.0    | / | / | / | / | 75.54   |
| 70  | J1826-0049_OFF     | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 18 26 00.00 | -00 39 00.0    | / | / | / | / | 37.93   |
| 71  | J1826-0049         | ZD2020_6 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 18 26 00.00 | -00 49 00.0    | / | / | / | / | 75.54   |
| 72  | G66.15+0.76        | ZD2020_2 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 19 53 56.30 | 29 31 45.0     | / | / | / | / | 470.53  |
| 73  | G66.15+0.76_cal    | ZD2020_2 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 19 53 56.30 | 29 31 45.0     | / | / | / | / | 37.93   |
| 74  | G66.12+0.75        | ZD2020_2 | 2020-02-07 | 19波束接收机 | beam1 | psr     | Tracking       | 19 54 43.30 | 29 34 30.0     | / | / | / | / | 470.53  |
| 75  | M31_Halo_Drift_10  | ZD2020_4 | 2020-02-07 | 19波束接收机 | all   | spec(F) | DriftWithAngle | 23 50 44.33 | +39 27 46.2265 | / | / | / | / | 2123.58 |
| 76  | 0029+349           | ZD2020_4 | 2020-02-07 | 19波束接收机 | all   | spec(F) | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 77  | G46.19+1.78        | ZD2020_2 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 19 09 37.5  | 12 38 38       | / | / | / | / | 223.6   |
| 78  | G46.19+1.78_cal    | ZD2020_2 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 19 09 37.5  | 12 38 38       | / | / | / | / | 18.97   |
| 79  | G47.51+0.34        | ZD2020_2 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 19 17 30.5  | 12 59 09       | / | / | / | / | 235.26  |
| 80  | J2027+0255_OFF     | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 27 32    | +03 05 17      | / | / | / | / | 37.93   |
| 81  | J2027+0255         | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 27 32    | +02 55 17      | / | / | / | / | 75.54   |
| 82  | J2053+4721_OFF     | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 53 00    | +47 11 00      | / | / | / | / | 37.93   |
| 83  | J2053+4721         | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 53 03    | +47 21 26      | / | / | / | / | 75.54   |
| 84  | J2057+2133_OFF     | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 57 00    | +21 43 00      | / | / | / | / | 37.93   |
| 85  | J2057+2133         | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 20 57 40    | +21 33 03      | / | / | / | / | 75.54   |
| 86  | J2108+4107_OFF     | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 21 08 00    | +40 57 00      | / | / | / | / | 37.93   |
| 87  | J2108+4107         | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 21 08 49    | +41 07 00      | / | / | / | / | 75.54   |
| 88  | J2112+0740_OFF     | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 21 12 00    | +07 50 00      | / | / | / | / | 37.93   |
| 89  | J2112+0740         | ZD2020_6 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 21 12 07    | +07 40 00      | / | / | / | / | 75.54   |
| 90  | J0133+3151_highcal | ZD2020_5 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 01 33 47    | +31 51 30      | / | / | / | / | 37.93   |
| 91  | J0133+3151         | ZD2020_5 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 01 33 47    | +31 51 30      | / | / | / | / | 2821.59 |
| 92  | J0133+3151_lowcal  | ZD2020_5 | 2020-02-08 | 19波束接收机 | beam1 | psr     | Tracking       | 01 33 47    | +31 51 30      | / | / | / | / | 37.93   |
| 93  | J1853-0620_OFF     | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 18 53 00    | -06 10 00      | / | / | / | / | 37.93   |
| 94  | J1853-0620         | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 18 53 19    | -06 20 00      | / | / | / | / | 75.54   |
| 95  | J1900+4221_OFF     | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 00 00    | +42 11 00      | / | / | / | / | 37.93   |
| 96  | J1900+4221         | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 00 13    | +42 21 07      | / | / | / | / | 75.54   |
| 97  | J1908+0128_OFF     | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 08 00    | +01 38 00      | / | / | / | / | 37.93   |
| 98  | J1908+0128         | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 08 20    | +01 28 12      | / | / | / | / | 75.54   |
| 99  | J1914+2624_OFF     | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 14 00    | +26 34 00      | / | / | / | / | 37.93   |
| 100 | J1914+2624         | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 14 52    | +26 24 01      | / | / | / | / | 75.54   |
| 101 | J1929+4101_OFF     | ZD2020_6 | 2020-02-09 | 19波束接收机 | beam1 | psr     | Tracking       | 19 29 13    | +40 51 18      | / | / | / | / | 37.93   |

|     |                       |            |            |         |       |           |                |                |                |   |   |   |   |          |
|-----|-----------------------|------------|------------|---------|-------|-----------|----------------|----------------|----------------|---|---|---|---|----------|
| 102 | J1929+4101            | ZD2020_6   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 19 29 13       | +41 01 18      | / | / | / | / | 75.54    |
| 103 | J1934+0906 OFF        | ZD2020_6   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 19 34 00       | +09 16 00      | / | / | / | / | 37.93    |
| 104 | J1934+0906            | ZD2020_6   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 19 34 19       | +09 06 19      | / | / | / | / | 75.54    |
| 105 | J1945+1211 OFF        | ZD2020_6   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 19 45 00       | +12 21 00      | / | / | / | / | 37.93    |
| 106 | J1945+1211            | ZD2020_6   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 19 45 16       | +12 37 00      | / | / | / | / | 75.54    |
| 107 | M31 Halo Drift_11     | ZD2020 4   | 2020-02-09 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33    | +39 27 46.2265 | / | / | / | / | 2123.58  |
| 108 | 0029+349              | ZD2020 4   | 2020-02-09 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24    | +34 56 32.2    | / | / | / | / | 177.24   |
| 109 | J0133+3151_highcal    | ZD2020 5   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 01 33 47       | +31 51 30      | / | / | / | / | 37.93    |
| 110 | J0133+3151            | ZD2020 5   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 01 33 47       | +31 51 30      | / | / | / | / | 3950.11  |
| 111 | J0133+3151_lowcal     | ZD2020 5   | 2020-02-09 | 19波束接收机 | beam1 | psr       | Tracking       | 01 33 47       | +31 51 30      | / | / | / | / | 37.93    |
| 112 | J2016+0756 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 00.00    | +08 06 00.0    | / | / | / | / | 37.93    |
| 113 | J2016+0756            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 03.00    | +07 56 42.0    | / | / | / | / | 75.54    |
| 114 | J2025+2133 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00    | 21 43 39.0     | / | / | / | / | 37.93    |
| 115 | J2025+2133            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00    | +21 33 39.0    | / | / | / | / | 75.54    |
| 116 | M31 Halo Drift_12     | ZD2020 4   | 2020-02-10 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33    | +39 06 05.9718 | / | / | / | / | 2123.58  |
| 117 | 0029+349              | ZD2020 4   | 2020-02-10 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24    | +34 56 32.2    | / | / | / | / | 177.24   |
| 118 | J2319+2049 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 23 19 00.00    | +20 59 00.0    | / | / | / | / | 37.93    |
| 119 | J2319+2049            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 23 19 30.00    | +20 49 34.0    | / | / | / | / | 75.54    |
| 120 | J0203-0150 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 00.00    | -01 40 00.0    | / | / | / | / | 37.93    |
| 121 | J0203-0150            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 32.00    | -01 50 13.0    | / | / | / | / | 75.54    |
| 122 | J0209+2621 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00.00 | +26 11 00.0    | / | / | / | / | 37.93    |
| 123 | J0209+2621            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00    | +26 21 22.0    | / | / | / | / | 75.54    |
| 124 | J0209+4332 OFF        | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00    | +43 22 00.0    | / | / | / | / | 37.93    |
| 125 | J0209+4332            | ZD2020 6   | 2020-02-10 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 50.00    | +43 32 25.0    | / | / | / | / | 150.77   |
| 126 | J2236+4928 OFF        | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 00.00    | +49 18 00.0    | / | / | / | / | 37.93    |
| 127 | J2236+4928            | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 40.00    | +49 28 52.0    | / | / | / | / | 75.54    |
| 128 | J2238+4038 OFF        | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 00.00    | +40 28 00.0    | / | / | / | / | 37.93    |
| 129 | J2238+4038            | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 35.00    | +40 38 24.0    | / | / | / | / | 75.54    |
| 130 | J2301+4809 OFF        | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 23 01 00.00    | +47 59 00.0    | / | / | / | / | 37.93    |
| 131 | J2301+4809            | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 23 01 42.00    | +48 09 25.0    | / | / | / | / | 75.54    |
| 132 | J0210+4238 OFF        | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 02 10 00.00    | +42 28 00.0    | / | / | / | / | 37.93    |
| 133 | J0210+4238            | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 02 10 51.00    | +42 38 40.0    | / | / | / | / | 150.77   |
| 134 | J0427+4723 OFF        | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 00.00    | +47 13 00.0    | / | / | / | / | 37.93    |
| 135 | J0427+4723            | ZD2020 6   | 2020-02-11 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23.00    | +47 23 09.0    | / | / | / | / | 150.77   |
| 136 | G46.19+1.78           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 09 55.92    | 12 30 48.79    | / | / | / | / | 188.24   |
| 137 | G47.51+0.34           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 17 23.05    | 12 58 43.70    | / | / | / | / | 188.24   |
| 138 | G32.05+1.69_off       | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 18 43 24.86    | -00 15 46.52   | / | / | / | / | 18.97    |
| 139 | G32.05+1.69           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 18 43 24.86    | -00 00 46.52   | / | / | / | / | 47.18    |
| 140 | G35.53-0.42           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 18 57 10.16    | 02 14 14.69    | / | / | / | / | 188.24   |
| 141 | G36.65-0.34           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 18 59 37.12    | 03 14 35.08    | / | / | / | / | 188.24   |
| 142 | G53.99+0.97           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 27 39.62    | 19 07 11.07    | / | / | / | / | 188.24   |
| 143 | G53.82+1.19           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 26 31.60    | 19 04 12.06    | / | / | / | / | 188.24   |
| 144 | G57.20-2.71           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 47 45.64    | 20 11 32.24    | / | / | / | / | 188.24   |
| 145 | G57.49-0.17           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 38 44.73    | 21 22 17.69    | / | / | / | / | 188.24   |
| 146 | G66.15+0.76           | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 54 15.46    | 29 24 33.18    | / | / | / | / | 47.18    |
| 147 | G66.15+0.76_off       | ZD2020 2   | 2020-02-12 | 19波束接收机 | beam1 | psr(2k)   | Tracking       | 19 56 15.46    | 29 24 33.18    | / | / | / | / | 18.97    |
| 148 | M31 Halo Drift_13     | ZD2020 4   | 2020-02-12 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33    | +38 44 25.7171 | / | / | / | / | 2123.58  |
| 149 | 0029+349              | ZD2020 4   | 2020-02-12 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24    | +34 56 32.2    | / | / | / | / | 177.24   |
| 150 | FRB181123             | ZD2020 5   | 2020-02-12 | 19波束接收机 | all   | psr       | Tracking       | 05 06 06.76    | 18 09 35.7     | / | / | / | / | 5540.5   |
| 151 | Dec+2715(1bit&1bit1k) | ZD2020 1_1 | 2020-02-13 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00    | +27 15 50.7019 | / | / | / | / | 14487.15 |
| 152 | Dec+2715              | ZD2020 1_2 | 2020-02-13 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00    | +27 15 50.7019 | / | / | / | / | 16039.19 |

|     |                       |            |            |         |       |           |                |             |                |   |   |   |   |          |
|-----|-----------------------|------------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|----------|
| 153 | Dec+2842(1bit&1bit1k) | ZD2020_1_1 | 2020-02-14 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | +28 42 31.4923 | / | / | / | / | 9705.53  |
| 154 | Dec+2842              | ZD2020_1_2 | 2020-02-14 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +28 42 31.4923 | / | / | / | / | 10579.55 |
| 155 | Dec+5547(1bit&1bit1k) | ZD2020_1_1 | 2020-02-15 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | +55 47 46.4841 | / | / | / | / | 14886.08 |
| 156 | Dec+5547              | ZD2020_1_2 | 2020-02-15 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +55 47 46.4841 | / | / | / | / | 16039.19 |
| 157 | G38.90-0.17_cal       | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Tracking       | 19 02 57.88 | +05 14 03.64   | / | / | / | / | 361.03   |
| 158 | G38.90-0.17_cal       | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 02 57.88 | +05 14 03.64   | / | / | / | / | 35.63    |
| 159 | G38.90-0.17           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 19 02 57.88 | +05 14 03.64   | / | / | / | / | 3762.45  |
| 160 | G38.90-0.17           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 02 57.88 | +05 14 03.64   | / | / | / | / | 371.69   |
| 161 | G45.60-0.08           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 19 15 09.60 | +05 14 03.64   | / | / | / | / | 3762.45  |
| 162 | G45.60-0.08           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 15 09.60 | +05 14 03.64   | / | / | / | / | 371.69   |
| 163 | G50.45+0.00           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 19 24 11.60 | +05 14 03.64   | / | / | / | / | 3762.45  |
| 164 | G50.45+0.00           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 24 11.60 | +05 14 03.64   | / | / | / | / | 371.69   |
| 165 | G60.48-0.08_cal       | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Tracking       | 19 45 16.02 | +24 15 34.09   | / | / | / | / | 361.03   |
| 166 | G60.48-0.08_cal       | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 45 16.02 | +24 15 34.09   | / | / | / | / | 35.63    |
| 167 | G60.48-0.08           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 19 45 16.02 | +24 15 34.09   | / | / | / | / | 3762.45  |
| 168 | G60.48-0.08           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 45 16.02 | +24 15 34.09   | / | / | / | / | 371.69   |
| 169 | G68.64-0.17           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 20 04 42.34 | +24 15 34.09   | / | / | / | / | 3762.45  |
| 170 | G68.64-0.17           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 04 42.34 | +24 15 34.09   | / | / | / | / | 371.69   |
| 171 | G85.72-0.42           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | psr       | Snapshot       | 20 57 10.96 | +24 15 34.09   | / | / | / | / | 3762.45  |
| 172 | G85.72-0.42           | ZD2020_2   | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 57 10.96 | +24 15 34.09   | / | / | / | / | 371.69   |
| 173 | B2324+60_cal          | 3063       | 2020-02-16 | 19波束接收机 | all   | psr       | Tracking       | 23 26 59.00 | +61 13 36.468  | / | / | / | / | 360.33   |
| 174 | B2324+60_cal          | 3063       | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Tracking       | 23 26 59.00 | +61 13 36.468  | / | / | / | / | 71.25    |
| 175 | B2324+60              | 3063       | 2020-02-16 | 19波束接收机 | all   | psr       | Tracking       | 23 26 59.00 | +61 13 36.468  | / | / | / | / | 10801.51 |
| 176 | B2324+60              | 3063       | 2020-02-16 | 19波束接收机 | all   | spec(F)   | Tracking       | 23 26 59.00 | +61 13 36.468  | / | / | / | / | 2055.68  |
| 177 | G48.59+0.00_cal       | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Tracking       | 19 20 34.13 | +13 53 49.39   | / | / | / | / | 361.03   |
| 178 | G48.59+0.00_cal       | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 20 34.13 | +13 53 49.39   | / | / | / | / | 35.63    |
| 179 | G48.59+0.00           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 19 20 34.13 | +13 53 49.39   | / | / | / | / | 3762.45  |
| 180 | G48.59+0.00           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 20 34.13 | +13 53 49.39   | / | / | / | / | 371.69   |
| 181 | G34.84+0.08           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 18 54 37.34 | +01 44 20.86   | / | / | / | / | 3762.45  |
| 182 | G34.84+0.08           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 54 37.34 | +01 44 20.86   | / | / | / | / | 371.69   |
| 183 | G34.06-0.25           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 18 54 24.04 | +00 53 16.95   | / | / | / | / | 3762.45  |
| 184 | G34.06-0.25           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 54 24.04 | +00 53 16.95   | / | / | / | / | 371.69   |
| 185 | G37.83+0.17_cal       | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Tracking       | 18 59 46.69 | +04 25 57.24   | / | / | / | / | 361.03   |
| 186 | G37.83+0.17_cal       | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 59 46.69 | +04 25 57.24   | / | / | / | / | 35.63    |
| 187 | G37.83+0.17           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 18 59 46.69 | +04 25 57.24   | / | / | / | / | 3762.45  |
| 188 | G37.83+0.17           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 59 46.69 | +04 25 57.24   | / | / | / | / | 371.69   |
| 189 | G42.28+0.08           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 19 08 18.07 | +08 20 57.14   | / | / | / | / | 3762.45  |
| 190 | G42.28+0.08           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 08 18.07 | +08 20 57.14   | / | / | / | / | 371.69   |
| 191 | G46.73+0.00           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | psr       | Snapshot       | 19 16 59.71 | +12 15 16.16   | / | / | / | / | 3762.45  |
| 192 | G46.73+0.00           | ZD2020_2   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 16 59.71 | +12 15 16.16   | / | / | / | / | 371.69   |
| 193 | J2025+2133_OFF        | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00 | +21 43 39.0    | / | / | / | / | 37.93    |
| 194 | J2025+2133            | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00 | +21 33 39.0    | / | / | / | / | 75.54    |
| 195 | J2234+0944_OFF        | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 22 34 46.85 | +09 54 30.25   | / | / | / | / | 37.93    |
| 196 | J2234+0944            | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 22 34 46.85 | +09 44 30.25   | / | / | / | / | 602.18   |
| 197 | J2256-1024_OFF        | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 22 56 56.39 | -10 14 34.37   | / | / | / | / | 37.93    |
| 198 | J2256-1024            | ZD2020_6   | 2020-02-17 | 19波束接收机 | beam1 | psr       | Tracking       | 22 56 56.39 | -10 24 34.37   | / | / | / | / | 602.18   |
| 199 | M31_Halo_Drift_14     | ZD2020_4   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +38 22 45.4624 | / | / | / | / | 2123.58  |
| 200 | 0029+349              | ZD2020_4   | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 201 | J0215+6218_cal        | 3063       | 2020-02-17 | 19波束接收机 | all   | psr       | Tracking       | 02 15 57.00 | +62 18 33.37   | / | / | / | / | 360.33   |
| 202 | J0215+6218_cal        | 3063       | 2020-02-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 02 15 57.00 | +62 18 33.37   | / | / | / | / | 71.25    |
| 203 | J0215+6218            | 3063       | 2020-02-17 | 19波束接收机 | all   | psr       | Tracking       | 02 15 57.00 | +62 18 33.37   | / | / | / | / | 7138.51  |

|     |                   |          |            |         |       |         |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|---------|----------------|-------------|----------------|---|---|---|---|---------|
| 204 | J0215+6218        | 3063     | 2020-02-17 | 19波束接收机 | all   | spec(F) | Tracking       | 02 15 57.00 | +62 18 33.37   | / | / | / | / | 1415.82 |
| 205 | B1919+21_cal      | 3063     | 2020-02-18 | 19波束接收机 | all   | psr     | Tracking       | 19 21 45.00 | +21 53 02.25   | / | / | / | / | 360.33  |
| 206 | B1919+21_cal      | 3063     | 2020-02-18 | 19波束接收机 | all   | spec(F) | Tracking       | 19 21 45.00 | +21 53 02.25   | / | / | / | / | 71.25   |
| 207 | B1919+21          | 3063     | 2020-02-18 | 19波束接收机 | all   | psr     | Tracking       | 19 21 45.00 | +21 53 02.25   | / | / | / | / | 7138.51 |
| 208 | B1919+21          | 3063     | 2020-02-18 | 19波束接收机 | all   | spec(F) | Tracking       | 19 21 45.00 | +21 53 02.25   | / | / | / | / | 1415.82 |
| 209 | G40.42+0.08_cal   | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Tracking       | 19 04 51.17 | +06 41 54.56   | / | / | / | / | 361.03  |
| 210 | G40.42+0.08_cal   | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Tracking       | 19 04 51.17 | +06 41 54.56   | / | / | / | / | 35.63   |
| 211 | G40.42+0.08       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 19 04 51.17 | +06 41 54.56   | / | / | / | / | 3762.45 |
| 212 | G40.42+0.08       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 04 51.17 | +06 41 54.56   | / | / | / | / | 371.69  |
| 213 | G42.62-0.17       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 19 09 51.10 | +08 32 09.07   | / | / | / | / | 3762.45 |
| 214 | G42.62-0.17       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 09 51.10 | +08 32 09.07   | / | / | / | / | 371.69  |
| 215 | G49.71+0.08       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 19 22 26.81 | +14 55 46.67   | / | / | / | / | 3762.45 |
| 216 | G49.71+0.08       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 22 26.81 | +14 55 46.67   | / | / | / | / | 371.69  |
| 217 | G59.74+0.00_cal   | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Tracking       | 19 43 20.52 | +23 39 57.76   | / | / | / | / | 361.03  |
| 218 | G59.74+0.00_cal   | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Tracking       | 19 43 20.52 | +23 39 57.76   | / | / | / | / | 35.63   |
| 219 | G59.74+0.00       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 19 43 20.52 | +23 39 57.76   | / | / | / | / | 3762.45 |
| 220 | G59.74+0.00       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 43 20.52 | +23 39 57.76   | / | / | / | / | 371.69  |
| 221 | G71.24-0.25       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 20 11 41.29 | +33 20 28.79   | / | / | / | / | 3762.45 |
| 222 | G71.24-0.25       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 20 11 41.29 | +33 20 28.79   | / | / | / | / | 371.69  |
| 223 | G85.32-0.59       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | psr     | Snapshot       | 20 56 28.63 | +44 27 04.44   | / | / | / | / | 3762.45 |
| 224 | G85.32-0.59       | ZD2020_2 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Snapshot       | 20 56 28.63 | +44 27 04.44   | / | / | / | / | 371.69  |
| 225 | M31 Halo_Drift_15 | ZD2020_4 | 2020-02-18 | 19波束接收机 | all   | spec(F) | DriftWithAngle | 23 50 44.33 | +38 01 05.2077 | / | / | / | / | 2123.58 |
| 226 | 0029+349          | ZD2020_4 | 2020-02-18 | 19波束接收机 | all   | spec(F) | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 227 | J0209+2621_OFF    | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 09 00.00 | +26 11 00.0    | / | / | / | / | 37.93   |
| 228 | J0209+2621        | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 09 00.00 | +26 21 22.0    | / | / | / | / | 75.54   |
| 229 | J0209+4332_OFF    | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 09 00.00 | +43 22 00.0    | / | / | / | / | 37.93   |
| 230 | J0209+4332        | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 09 50.00 | +43 32 25.0    | / | / | / | / | 75.54   |
| 231 | J0203-0150_OFF    | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 03 00.00 | -01 40 00.0    | / | / | / | / | 37.93   |
| 232 | J0203-0150        | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 03 32.00 | -01 50 13.0    | / | / | / | / | 75.54   |
| 233 | J0210+4238_OFF    | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 10 00.00 | +42 28 00.0    | / | / | / | / | 37.93   |
| 234 | J0210+4238        | ZD2020_6 | 2020-02-18 | 19波束接收机 | beam1 | psr     | Tracking       | 02 10 51    | +42 38 40.00   | / | / | / | / | 75.54   |
| 235 | J1618+3952_OFF    | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 18 00.00 | +39 42 00.0    | / | / | / | / | 37.93   |
| 236 | J1618+3952        | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 18 00.00 | +39 52 00.0    | / | / | / | / | 75.54   |
| 237 | J1631+1252_OFF    | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 31 00.00 | +12 42 00.0    | / | / | / | / | 37.93   |
| 238 | J1631+1252        | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 31 00.00 | +12 52 00.0    | / | / | / | / | 75.54   |
| 239 | J1637+0027_OFF    | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 37 00.00 | +00 37 00.0    | / | / | / | / | 37.93   |
| 240 | J1637+0027        | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 16 37 00.00 | +00 27 00.0    | / | / | / | / | 75.54   |
| 241 | J1829-0505_OFF    | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 18 29 35.00 | -04 55 12.0    | / | / | / | / | 37.93   |
| 242 | J1829-0505        | ZD2020_6 | 2020-02-19 | 19波束接收机 | beam1 | psr     | Tracking       | 18 29 35.00 | -05 05 12.0    | / | / | / | / | 602.18  |
| 243 | G39.64-0.25_cal   | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Tracking       | 19 04 37.16 | +05 50 51.28   | / | / | / | / | 361.03  |
| 244 | G39.64-0.25_cal   | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Tracking       | 19 04 37.16 | +05 50 51.28   | / | / | / | / | 35.63   |
| 245 | G39.64-0.25       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Snapshot       | 19 04 37.16 | +05 50 51.28   | / | / | / | / | 3762.45 |
| 246 | G39.64-0.25       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 04 37.16 | +05 50 51.28   | / | / | / | / | 371.69  |
| 247 | G45.21-0.25       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Snapshot       | 19 15 01.78 | +10 47 39.29   | / | / | / | / | 3762.45 |
| 248 | G45.21-0.25       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 15 01.78 | +10 47 39.29   | / | / | / | / | 371.69  |
| 249 | G49.32-0.08       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Snapshot       | 19 22 18.11 | +14 30 16.66   | / | / | / | / | 3762.45 |
| 250 | G49.32-0.08       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 22 18.11 | +14 30 16.66   | / | / | / | / | 371.69  |
| 251 | G59.35-0.17_cal   | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Tracking       | 19 43 08.02 | +23 14 32.22   | / | / | / | / | 361.03  |
| 252 | G59.35-0.17_cal   | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Tracking       | 19 43 08.02 | +23 14 32.22   | / | / | / | / | 35.63   |
| 253 | G59.35-0.17       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr     | Snapshot       | 19 43 08.02 | +23 14 32.22   | / | / | / | / | 3762.45 |
| 254 | G59.35-0.17       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F) | Snapshot       | 19 43 08.02 | +23 14 32.22   | / | / | / | / | 371.69  |

|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |          |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|----------|
| 255 | G70.89+0.00       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr       | Snapshot       | 20 09 46.46 | +33 11 37.07   | / | / | / | / | 3762.45  |
| 256 | G70.89+0.00       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 09 46.46 | +33 11 37.07   | / | / | / | / | 371.69   |
| 257 | G84.98-0.34       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | psr       | Snapshot       | 20 54 09.13 | +44 21 15.08   | / | / | / | / | 3762.45  |
| 258 | G84.98-0.34       | ZD2020_2 | 2020-02-19 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 54 09.13 | +44 21 15.08   | / | / | / | / | 371.69   |
| 259 | M31_Halo_Drift_16 | ZD2020_4 | 2020-02-19 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +37 39 24.953  | / | / | / | / | 2123.58  |
| 260 | 0029+349          | ZD2020_4 | 2020-02-19 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 261 | B0458+46_cal      | 3063     | 2020-02-19 | 19波束接收机 | all   | psr       | Tracking       | 05 02 05.00 | +46 54 06.09   | / | / | / | / | 360.33   |
| 262 | B0458+46_cal      | 3063     | 2020-02-19 | 19波束接收机 | all   | spec(F)   | Tracking       | 05 02 05.00 | +46 54 06.09   | / | / | / | / | 71.25    |
| 263 | B0458+46          | 3063     | 2020-02-19 | 19波束接收机 | all   | psr       | Tracking       | 05 02 05.00 | +46 54 06.09   | / | / | / | / | 10801.51 |
| 264 | B0458+46          | 3063     | 2020-02-19 | 19波束接收机 | all   | spec(F)   | Tracking       | 05 02 05.00 | +46 54 06.09   | / | / | / | / | 2055.68  |
| 265 | G43.40+0.17_cal   | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Tracking       | 19 10 05.84 | +09 23 11.70   | / | / | / | / | 361.03   |
| 266 | G43.40+0.17_cal   | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 10 05.84 | +09 23 11.70   | / | / | / | / | 35.63    |
| 267 | G43.40+0.17       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 19 10 05.84 | +09 23 11.70   | / | / | / | / | 3762.45  |
| 268 | G43.40+0.17       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 10 05.84 | +09 23 11.70   | / | / | / | / | 371.69   |
| 269 | G34.45-0.08       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 18 54 30.69 | +01 18 48.90   | / | / | / | / | 3762.45  |
| 270 | G34.45-0.08       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 54 30.69 | +01 18 48.90   | / | / | / | / | 371.69   |
| 271 | G35.23+0.25       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 18 54 43.99 | +02 09 52.82   | / | / | / | / | 3762.45  |
| 272 | G35.23+0.25       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 54 43.99 | +02 09 52.82   | / | / | / | / | 371.69   |
| 273 | J1919-0454_OFF    | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 19 11.00 | -04 44 48.0    | / | / | / | / | 37.93    |
| 274 | J1919-0454        | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 19 11.00 | -04 54 48.0    | / | / | / | / | 602.18   |
| 275 | J1929+0129_OFF    | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 29 36.00 | +01 19 36.0    | / | / | / | / | 37.93    |
| 276 | J1929+0129        | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 29 36.00 | +01 29 36.0    | / | / | / | / | 75.54    |
| 277 | J2016+0756_OFF    | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 03.00 | +08 06 00.0    | / | / | / | / | 37.93    |
| 278 | J2016+0756        | ZD2020_6 | 2020-02-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 03.00 | +07 56 42.0    | / | / | / | / | 75.54    |
| 279 | G60.43-0.51_cal   | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Tracking       | 19 46 45.92 | +24 00 16.24   | / | / | / | / | 361.03   |
| 280 | G60.43-0.51_cal   | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 46 45.92 | +24 00 16.24   | / | / | / | / | 35.63    |
| 281 | G60.43-0.51       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 19 46 45.92 | +24 00 16.24   | / | / | / | / | 3762.45  |
| 282 | G60.43-0.51       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 46 45.92 | +24 00 16.24   | / | / | / | / | 371.69   |
| 283 | G70.85-0.42       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 20 11 20.40 | +32 55 16.20   | / | / | / | / | 3762.45  |
| 284 | G70.85-0.42       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 11 20.40 | +32 55 16.20   | / | / | / | / | 371.69   |
| 285 | G84.54-0.93       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | psr       | Snapshot       | 20 55 05.74 | +43 38 07.20   | / | / | / | / | 3762.45  |
| 286 | G84.54-0.93       | ZD2020_2 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 55 05.74 | +43 38 07.20   | / | / | / | / | 371.69   |
| 287 | M31_Halo_Drift_17 | ZD2020_4 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +37 17 44.6983 | / | / | / | / | 2123.58  |
| 288 | 0029+349          | ZD2020_4 | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 289 | J0538+2817_cal    | 3063     | 2020-02-20 | 19波束接收机 | all   | psr       | Tracking       | 05 38 25.00 | +28 17 09.161  | / | / | / | / | 360.33   |
| 290 | J0538+2817_cal    | 3063     | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 05 38 25.00 | +28 17 09.161  | / | / | / | / | 71.25    |
| 291 | J0538+2817        | 3063     | 2020-02-20 | 19波束接收机 | all   | psr       | Tracking       | 05 38 25.00 | +28 17 09.161  | / | / | / | / | 10801.51 |
| 292 | J0538+2817        | 3063     | 2020-02-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 05 38 25.00 | +28 17 09.161  | / | / | / | / | 2055.68  |
| 293 | Dec+0859          | 3049     | 2020-02-20 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +08 59 33.0    | / | / | / | / | 1216.77  |
| 294 | G44.48-0.17_cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Tracking       | 19 13 20.29 | +10 11 01.62   | / | / | / | / | 361.03   |
| 295 | G44.48-0.17_cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 13 20.29 | +10 11 01.62   | / | / | / | / | 35.63    |
| 296 | G34.50+0.34       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 18 53 05.53 | +01 33 01.16   | / | / | / | / | 3762.45  |
| 297 | G34.50+0.34       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 53 05.53 | +01 33 01.16   | / | / | / | / | 371.69   |
| 298 | G36.26-0.51       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 18 59 19.62 | +02 43 49.86   | / | / | / | / | 3762.45  |
| 299 | G36.26-0.51       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 59 19.62 | +02 43 49.86   | / | / | / | / | 371.69   |
| 300 | J1825-0131_OFF    | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 18 25 26    | -01 21 17.7    | / | / | / | / | 37.93    |
| 301 | J1825-0131        | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 18 25 26    | -01 31 17.7    | / | / | / | / | 75.54    |
| 302 | J1854-0037_OFF    | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 18 54 37    | -00 27 10      | / | / | / | / | 37.93    |
| 303 | J1854-0037        | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 18 54 37    | -00 37 10      | / | / | / | / | 75.54    |
| 304 | G38.85-0.59_cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Tracking       | 19 04 23.20 | +04 59 48.03   | / | / | / | / | 361.03   |
| 305 | G38.85-0.59_cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 04 23.20 | +04 59 48.03   | / | / | / | / | 35.63    |

|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 306 | G38.85-0.59       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 19 04 23.20 | +04 59 48.03   | / | / | / | / | 3762.45 |
| 307 | G38.85-0.59       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 04 23.20 | +04 59 48.03   | / | / | / | / | 371.69  |
| 308 | G41.84-0.51       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 19 09 36.44 | +07 41 06.44   | / | / | / | / | 3762.45 |
| 309 | G41.84-0.51       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 09 36.44 | +07 41 06.44   | / | / | / | / | 371.69  |
| 310 | G48.93-0.25       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 19 22 09.45 | +14 04 46.64   | / | / | / | / | 3762.45 |
| 311 | G48.93-0.25       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 22 09.45 | +14 04 46.64   | / | / | / | / | 371.69  |
| 312 | G58.67+0.34 cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Tracking       | 19 39 44.36 | +22 53 55.97   | / | / | / | / | 361.03  |
| 313 | G58.67+0.34 cal   | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 39 44.36 | +22 53 55.97   | / | / | / | / | 35.63   |
| 314 | G58.67+0.34       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 19 39 44.36 | +22 53 55.97   | / | / | / | / | 3762.45 |
| 315 | G58.67+0.34       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 39 44.36 | +22 53 55.97   | / | / | / | / | 371.69  |
| 316 | G68.99-0.42       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 20 06 34.18 | +31 21 37.99   | / | / | / | / | 3762.45 |
| 317 | G68.99-0.42       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 06 34.18 | +31 21 37.99   | / | / | / | / | 371.69  |
| 318 | G86.40-0.93       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | psr       | Snapshot       | 21 01 53.43 | +45 02 31.02   | / | / | / | / | 3762.45 |
| 319 | G86.40-0.93       | ZD2020_2 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Snapshot       | 21 01 53.43 | +45 02 31.02   | / | / | / | / | 371.69  |
| 320 | M31 Halo Drift 18 | ZD2020_4 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +36 56 04.4436 | / | / | / | / | 2123.58 |
| 321 | 0029+349          | ZD2020_4 | 2020-02-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 322 | J0427+4723 OFF    | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23    | +47 13 09      | / | / | / | / | 37.93   |
| 323 | J0427+4723        | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23    | +47 23 09      | / | / | / | / | 75.54   |
| 324 | J0540+4537 OFF    | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 40 02    | +45 27 02      | / | / | / | / | 37.93   |
| 325 | J0540+4537        | ZD2020_6 | 2020-02-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 40 02    | +45 37 02      | / | / | / | / | 75.54   |
| 326 | Dec+0920          | 3049     | 2020-02-21 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +09 20 09.0    | / | / | / | / | 1106.17 |
| 327 | G32.59-0.08       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 18 51 07.23 | -00 20 26.56   | / | / | / | / | 3762.45 |
| 328 | G32.59-0.08       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 51 07.23 | -00 20 26.56   | / | / | / | / | 371.69  |
| 329 | G37.78-0.25 cal   | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Tracking       | 19 01 11.98 | +04 11 43.17   | / | / | / | / | 361.03  |
| 330 | G37.78-0.25 cal   | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 01 11.98 | +04 11 43.17   | / | / | / | / | 35.63   |
| 331 | G37.78-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 19 01 11.98 | +04 11 43.17   | / | / | / | / | 3762.45 |
| 332 | G37.78-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 01 11.98 | +04 11 43.17   | / | / | / | / | 371.69  |
| 333 | G43.35-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 19 11 31.70 | +09 08 50.74   | / | / | / | / | 3762.45 |
| 334 | G43.35-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 11 31.70 | +09 08 50.74   | / | / | / | / | 371.69  |
| 335 | G48.20-0.17       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 19 20 25.68 | +13 28 19.13   | / | / | / | / | 3762.45 |
| 336 | G48.20-0.17       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 20 25.68 | +13 28 19.13   | / | / | / | / | 371.69  |
| 337 | G56.37-0.25 cal   | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Tracking       | 19 37 06.39 | +20 36 16.47   | / | / | / | / | 361.03  |
| 338 | G56.37-0.25 cal   | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 37 06.39 | +20 36 16.47   | / | / | / | / | 35.63   |
| 339 | G56.37-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 19 37 06.39 | +20 36 16.47   | / | / | / | / | 3762.45 |
| 340 | G56.37-0.25       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 37 06.39 | +20 36 16.47   | / | / | / | / | 371.69  |
| 341 | G66.39-0.34       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | psr       | Snapshot       | 19 59 50.83 | +29 12 37.73   | / | / | / | / | 3762.45 |
| 342 | G66.39-0.34       | ZD2020_2 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 59 50.83 | +29 12 37.73   | / | / | / | / | 371.69  |
| 343 | M31 Halo Drift 19 | ZD2020_4 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +36 34 24.189  | / | / | / | / | 2123.58 |
| 344 | 0029+349          | ZD2020_4 | 2020-02-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 345 | Dec+0859          | 3049     | 2020-02-22 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +08 59 33.0    | / | / | / | / | 1991.08 |
| 346 | G32.98+0.08 cal   | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Tracking       | 18 51 13.86 | +00 05 05.42   | / | / | / | / | 361.03  |
| 347 | G32.98+0.08 cal   | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 51 13.86 | +00 05 05.42   | / | / | / | / | 35.63   |
| 348 | G32.98+0.08       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 18 51 13.86 | +00 05 05.42   | / | / | / | / | 3762.45 |
| 349 | G32.98+0.08       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 51 13.86 | +00 05 05.42   | / | / | / | / | 371.69  |
| 350 | G38.12-0.51       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 19 02 44.09 | +04 23 00.21   | / | / | / | / | 3762.45 |
| 351 | G38.12-0.51       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 02 44.09 | +04 23 00.21   | / | / | / | / | 371.69  |
| 352 | G44.09-0.34       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 19 13 12.65 | +09 45 30.58   | / | / | / | / | 3762.45 |
| 353 | G44.09-0.34       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 13 12.65 | +09 45 30.58   | / | / | / | / | 371.69  |
| 354 | G51.57+0.08 cal   | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Tracking       | 0 26 06     | +16 34 01.22   | / | / | / | / | 361.03  |
| 355 | G51.57+0.08 cal   | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 0 26 06     | +16 34 01.22   | / | / | / | / | 35.63   |
| 356 | G51.57+0.08       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 0 26 06     | +16 34 01.22   | / | / | / | / | 3762.45 |

|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 357 | G51.57+0.08       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 0 26 06     | +16 34 01.22   | / | / | / | / | 371.69  |
| 358 | G58.57-0.51       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 19 42 43.26 | +22 23 41.01   | / | / | / | / | 3762.45 |
| 359 | G58.57-0.51       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 42 43.26 | +22 23 41.01   | / | / | / | / | 371.69  |
| 360 | G70.45-0.59       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | psr       | Snapshot       | 20 10 59.71 | +32 30 03.41   | / | / | / | / | 3762.45 |
| 361 | G70.45-0.59       | ZD2020_2 | 2020-02-23 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 10 59.71 | +32 30 03.41   | / | / | / | / | 371.69  |
| 362 | J2215+4531_OFF    | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 22 15 30.00 | +45 21 16      | / | / | / | / | 37.93   |
| 363 | J2215+4531        | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 22 15 30.00 | +45 31 16      | / | / | / | / | 75.54   |
| 364 | J2319+2049_OFF    | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 19 00.00 | +20 59 00      | / | / | / | / | 37.93   |
| 365 | J2319+2049        | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 19 30.00 | +20 49 34      | / | / | / | / | 75.54   |
| 366 | J2355+0049_OFF    | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 55 30.00 | +00 59 43      | / | / | / | / | 37.93   |
| 367 | J2355+0049        | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 55 30.00 | +00 49 43      | / | / | / | / | 75.54   |
| 368 | J2300+4824_OFF    | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 14 11      | / | / | / | / | 37.93   |
| 369 | J2300+4824        | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 24 11      | / | / | / | / | 75.54   |
| 370 | J0209+2621_OFF    | ZD2020_6 | 2020-02-23 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00    | +26 11 00      | / | / | / | / | 37.93   |
| 371 | Dec+0920          | 3049     | 2020-02-23 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +09 20 09.0    | / | / | / | / | 1991.08 |
| 372 | J1641+3627_OFF    | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 41 41.00 | +36 17 37.00   | / | / | / | / | 37.93   |
| 373 | J1641+3627        | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 41 41.00 | +36 27 37.00   | / | / | / | / | 75.54   |
| 374 | J1631+1252_OFF    | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 31 00.00 | +12 42 00.0    | / | / | / | / | 37.93   |
| 375 | J1631+1252        | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 31 00.00 | +12 52 00.0    | / | / | / | / | 75.54   |
| 376 | J1637+0027_OFF    | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 37 00.00 | +00 37 00.0    | / | / | / | / | 37.93   |
| 377 | J1637+0027        | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 16 37 00.00 | +00 27 00.0    | / | / | / | / | 75.54   |
| 378 | G33.28-0.59       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 18 54 10.76 | +00 02 13.08   | / | / | / | / | 3951.38 |
| 379 | G33.28-0.59       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 54 10.76 | +00 02 13.08   | / | / | / | / | 392.48  |
| 380 | G39.98-0.51_cal   | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Tracking       | 19 06 09.58 | +06 02 06.19   | / | / | / | / | 361.03  |
| 381 | G39.98-0.51_cal   | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 06 09.58 | +06 02 06.19   | / | / | / | / | 35.63   |
| 382 | G39.98-0.51       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 19 06 09.58 | +06 02 06.19   | / | / | / | / | 3762.45 |
| 383 | G39.98-0.51       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 06 09.58 | +06 02 06.19   | / | / | / | / | 371.69  |
| 384 | G45.56-0.51       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 19 16 35.72 | +10 58 44.10   | / | / | / | / | 3762.45 |
| 385 | G45.56-0.51       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 16 35.72 | +10 58 44.10   | / | / | / | / | 371.69  |
| 386 | G47.46-0.08       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 19 18 42.45 | +12 51 48.92   | / | / | / | / | 3762.45 |
| 387 | G47.46-0.08       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 18 42.45 | +12 51 48.92   | / | / | / | / | 371.69  |
| 388 | G55.63-0.17_cal   | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Tracking       | 19 35 15.91 | +20 00 18.95   | / | / | / | / | 361.03  |
| 389 | G55.63-0.17_cal   | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 35 15.91 | +20 00 18.95   | / | / | / | / | 35.63   |
| 390 | G55.63-0.17       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 19 35 15.91 | +20 00 18.95   | / | / | / | / | 3762.45 |
| 391 | G55.63-0.17       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 19 35 15.91 | +20 00 18.95   | / | / | / | / | 371.69  |
| 392 | G66.79-0.17       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | psr       | Snapshot       | 20 00 07.84 | +29 37 56.75   | / | / | / | / | 3762.45 |
| 393 | G66.79-0.17       | ZD2020_2 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Snapshot       | 20 00 07.84 | +29 37 56.75   | / | / | / | / | 371.69  |
| 394 | J2214-0716_OFF    | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 22 14 19    | -07 06 26.5    | / | / | / | / | 37.93   |
| 395 | J2214-0716        | ZD2020_6 | 2020-02-24 | 19波束接收机 | beam1 | psr       | Tracking       | 22 14 19    | -07 16 26.5    | / | / | / | / | 226     |
| 396 | M31_Halo_Drift_20 | ZD2020_4 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +36 12 43.9343 | / | / | / | / | 2123.58 |
| 397 | 0029+349          | ZD2020_4 | 2020-02-24 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 398 | Dec+0941          | N2020_3  | 2020-02-24 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +09 41 00.0    | / | / | / | / | 1991.08 |
| 399 | J1825-0131_OFF    | ZD2020_6 | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking       | 18 25 26    | -01 21 17.7    | / | / | / | / | 37.93   |
| 400 | J1825-0131        | ZD2020_6 | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking       | 18 25 26    | -01 31 17.7    | / | / | / | / | 75.54   |
| 401 | J1854-0037_OFF    | ZD2020_6 | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking       | 18 54 37    | -00 27 10      | / | / | / | / | 37.93   |
| 402 | J1854-0037        | ZD2020_6 | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking       | 18 54 37    | -00 37 10      | / | / | / | / | 75.54   |
| 403 | G32.64+0.34       | ZD2020_2 | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot       | 18 49 42.09 | -00 06 14.41   | / | / | / | / | 3762.45 |
| 404 | G32.64+0.34       | ZD2020_2 | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot       | 18 49 42.09 | -00 06 14.41   | / | / | / | / | 371.69  |
| 405 | G37.00-0.59_cal   | ZD2020_2 | 2020-02-25 | 19波束接收机 | all   | psr       | Tracking       | 19 00 58.34 | +03 20 39.62   | / | / | / | / | 361.03  |
| 406 | G37.00-0.59_cal   | ZD2020_2 | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 00 58.34 | +03 20 39.62   | / | / | / | / | 35.63   |
| 407 | G37.00-0.59       | ZD2020_2 | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot       | 19 00 58.34 | +03 20 39.62   | / | / | / | / | 3762.45 |



|     |                   |             |            |         |       |           |                 |             |                |             |             |             |             |         |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|---------|
| 408 | G37.00-0.59       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot        | 19 00 58.34 | +03 20 39.62   | /           | /           | /           | /           | 371.69  |
| 409 | G40.71-0.59       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot        | 19 07 49.23 | +06 38 51.41   | /           | /           | /           | /           | 3762.45 |
| 410 | G40.71-0.59       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot        | 19 07 49.23 | +06 38 51.41   | /           | /           | /           | /           | 371.69  |
| 411 | G50.06-0.17       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot        | 19 24 02.67 | +15 06 41.02   | /           | /           | /           | /           | 3762.45 |
| 412 | G50.06-0.17       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot        | 19 24 02.67 | +15 06 41.02   | /           | /           | /           | /           | 371.69  |
| 413 | G58.18-0.68_cal   | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | psr       | Tracking        | 19 42 31.00 | +21 58 15.34   | /           | /           | /           | /           | 361.03  |
| 414 | G58.18-0.68_cal   | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 42 31.00 | +21 58 15.34   | /           | /           | /           | /           | 35.63   |
| 415 | G58.18-0.68       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot        | 19 42 31.00 | +21 58 15.34   | /           | /           | /           | /           | 3762.45 |
| 416 | G58.18-0.68       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot        | 19 42 31.00 | +21 58 15.34   | /           | /           | /           | /           | 371.69  |
| 417 | G68.94-0.85       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | psr       | Snapshot        | 20 08 06.84 | +31 05 26.26   | /           | /           | /           | /           | 3762.45 |
| 418 | G68.94-0.85       | ZD2020_2    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Snapshot        | 20 08 06.84 | +31 05 26.26   | /           | /           | /           | /           | 371.69  |
| 419 | J2111+2132_OFF    | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 42 41.0    | /           | /           | /           | /           | 37.93   |
| 420 | J2111+2132        | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 32 41.0    | /           | /           | /           | /           | 75.54   |
| 421 | M31_Halo_Drift_21 | ZD2020_4    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +35 51 03.6796 | /           | /           | /           | /           | 2123.58 |
| 422 | 0029+349          | ZD2020_4    | 2020-02-25 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 423 | J0203-0150_OFF    | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 02 03 00.00 | -01 40 00.0    | /           | /           | /           | /           | 37.93   |
| 424 | J0203-0150        | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 02 03 32.00 | -01 50 13.0    | /           | /           | /           | /           | 75.54   |
| 425 | J0210+4238_OFF    | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 00.00 | +42 28 00.0    | /           | /           | /           | /           | 37.93   |
| 426 | J0210+4238        | ZD2020_6    | 2020-02-25 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 51    | +42 38 40.00   | /           | /           | /           | /           | 75.54   |
| 427 | Dec+0941          | N2020_3     | 2020-02-25 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +09 41 00.0    | /           | /           | /           | /           | 1902.56 |
| 428 | J1919-0454_OFF    | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 19 19 11.00 | -04 44 48.0    | /           | /           | /           | /           | 37.93   |
| 429 | J1919-0454        | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 19 19 11.00 | -04 54 48.0    | /           | /           | /           | /           | 199.94  |
| 430 | J1929+0129_OFF    | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 19 29 36.00 | +01 19 36.0    | /           | /           | /           | /           | 37.93   |
| 431 | J1929+0129        | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 19 29 36.00 | +01 29 36.0    | /           | /           | /           | /           | 75.54   |
| 432 | J2016+0700_OFF    | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 20 16 38.00 | +07 10 00.0    | /           | /           | /           | /           | 37.93   |
| 433 | J2016+0700        | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 20 16 38.00 | +07 00 00.0    | /           | /           | /           | /           | 75.54   |
| 434 | M31_Halo_Drift_22 | ZD2020_4    | 2020-02-26 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +35 29 23.4249 | /           | /           | /           | /           | 1994.44 |
| 435 | 0029+349          | ZD2020_4    | 2020-02-26 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 436 | J0427+4723_OFF    | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 04 27 23.00 | +47 13 09.0    | /           | /           | /           | /           | 37.93   |
| 437 | J0427+4723        | ZD2020_6    | 2020-02-26 | 19波束接收机 | beam1 | psr       | Tracking        | 04 27 23.00 | +47 23 09.0    | /           | /           | /           | /           | 75.54   |
| 438 | Dec+1002          | N2020_3     | 2020-02-26 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +10 02 00.0    | /           | /           | /           | /           | 1703.47 |
| 439 | M31_Halo_Drift_23 | ZD2020_4    | 2020-02-27 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +35 07 43.1702 | /           | /           | /           | /           | 2123.58 |
| 440 | 0029+349          | ZD2020_4    | 2020-02-27 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 441 | J0209+2621_OFF    | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +26 11 00.0    | /           | /           | /           | /           | 37.93   |
| 442 | J0209+2621        | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +26 21 22.0    | /           | /           | /           | /           | 75.54   |
| 443 | J0209+4332_OFF    | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +43 22 00.0    | /           | /           | /           | /           | 37.93   |
| 444 | J0209+4332        | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 50.00 | +43 32 25.0    | /           | /           | /           | /           | 75.54   |
| 445 | J0540+4537_OFF    | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 05 40 02.00 | +45 27 02.0    | /           | /           | /           | /           | 37.93   |
| 446 | J0540+4537        | ZD2020_6    | 2020-02-27 | 19波束接收机 | beam1 | psr       | Tracking        | 05 40 02.00 | +45 37 02.0    | /           | /           | /           | /           | 75.54   |
| 447 | Dec+1002          | N2020_3     | 2020-02-27 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +10 02 00.0    | /           | /           | /           | /           | 1592.87 |
| 448 | J1829-0505_OFF    | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 29 35.00 | -04 55 12.0    | /           | /           | /           | /           | 37.93   |
| 449 | J1829-0505        | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 29 35.00 | -05 05 12.0    | /           | /           | /           | /           | 602.18  |
| 450 | J1825-0131_OFF    | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 25 26.00 | -01 21 17.7    | /           | /           | /           | /           | 37.93   |
| 451 | J1825-0131        | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 25 26.00 | -01 31 17.7    | /           | /           | /           | /           | 75.54   |
| 452 | J1854-0037_OFF    | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 54 37.00 | -00 27 10.0    | /           | /           | /           | /           | 37.93   |
| 453 | J1854-0037        | ZD2020_6    | 2020-02-28 | 19波束接收机 | beam1 | psr       | Tracking        | 18 54 37.00 | -00 37 10.0    | /           | /           | /           | /           | 75.54   |
| 454 | M31_Halo_Drift_24 | ZD2020_4    | 2020-02-28 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +34 46 02.9155 | /           | /           | /           | /           | 2123.58 |
| 455 | 0029+349          | ZD2020_4    | 2020-02-28 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 456 | FRB181123         | ZD2020_5    | 2020-02-28 | 19波束接收机 | all   | psr       | Tracking        | 05 06 06.76 | 18 09 35.7     | /           | /           | /           | /           | 5540.5  |
| 457 | 0603+219          | 2019a-030-S | 2020-02-28 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +22 09 50.9 | +21 49 24.5 | 47.1    |
| 458 | PFUDS1            | 2019a-030-S | 2020-02-28 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +22 25 48.0 | +21 55 48.0 | 340.28  |

|     |                   |             |            |         |       |           |                 |             |                |             |             |             |             |         |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|---------|
| 459 | Dec+1023          | N2020_3     | 2020-02-28 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +10 23 00.0    | /           | /           | /           | /           | 884.92  |
| 460 | J2032+0700 OFF    | ZD2020_6    | 2020-02-29 | 19波束接收机 | beam1 | psr       | Tracking        | 20 32 26.00 | +07 10 00.0    | /           | /           | /           | /           | 37.93   |
| 461 | J2032+0700        | ZD2020_6    | 2020-02-29 | 19波束接收机 | beam1 | psr       | Tracking        | 20 32 26.00 | +07 00 00.0    | /           | /           | /           | /           | 75.54   |
| 462 | J2111+2132 OFF    | ZD2020_6    | 2020-02-29 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 42 41.0    | /           | /           | /           | /           | 37.93   |
| 463 | J2111+2132        | ZD2020_6    | 2020-02-29 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 32 41.0    | /           | /           | /           | /           | 75.54   |
| 464 | M31_Halo_Drift_25 | ZD2020_4    | 2020-02-29 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +34 24 22.6608 | /           | /           | /           | /           | 2506.86 |
| 465 | 0029+349          | ZD2020_4    | 2020-02-29 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 162.36  |
| 466 | FRB181123         | ZD2020_5    | 2020-02-29 | 19波束接收机 | all   | psr       | Tracking        | 05 06 06.76 | 18 09 35.7     | /           | /           | /           | /           | 5540.5  |
| 467 | 0603+219          | 2019a-030-S | 2020-02-29 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 468 | PFUDS1            | 2019a-030-S | 2020-02-29 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 469 | Dec+1023          | N2020_3     | 2020-02-29 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +10 23 00.0    | /           | /           | /           | /           | 907.04  |
| 470 | G44.19+0.51_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | Tracking        | 19 10 20.64 | 10 14 14.25    | /           | /           | /           | /           | 361.03  |
| 471 | G44.19+0.51_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 10 20.64 | 10 14 14.25    | /           | /           | /           | /           | 35.63   |
| 472 | G44.19+0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 19 10 20.64 | 10 14 14.25    | /           | /           | /           | /           | 3762.45 |
| 473 | G44.19+0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 10 20.64 | 10 14 14.25    | /           | /           | /           | /           | 371.69  |
| 474 | G33.82+0.85       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 18 50 01.96 | 01 10 21.33    | /           | /           | /           | /           | 3765.45 |
| 475 | G33.82+0.85       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 50 01.96 | 01 10 21.33    | /           | /           | /           | /           | 371.99  |
| 476 | G34.40-0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 18 55 55.82 | 01 04 36.47    | /           | /           | /           | /           | 3315.94 |
| 477 | G34.40-0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 55 55.82 | 01 04 36.47    | /           | /           | /           | /           | 307.57  |
| 478 | G39.20-0.85_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | Tracking        | 19 05 55.48 | 05 11 03.19    | /           | /           | /           | /           | 361.03  |
| 479 | G39.20-0.85_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 05 55.48 | 05 11 03.19    | /           | /           | /           | /           | 35.63   |
| 480 | G39.20-0.85       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 19 05 55.48 | 05 11 03.19    | /           | /           | /           | /           | 3762.45 |
| 481 | G39.20-0.85       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 05 55.48 | 05 11 03.19    | /           | /           | /           | /           | 371.69  |
| 482 | G45.16-0.68       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 19 16 27.78 | 10 33 13.43    | /           | /           | /           | /           | 3762.45 |
| 483 | G45.16-0.68       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 16 27.78 | 10 33 13.43    | /           | /           | /           | /           | 371.69  |
| 484 | G49.66-0.34       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 19 23 53.78 | 14 41 11.25    | /           | /           | /           | /           | 3765.45 |
| 485 | G49.66-0.34       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 23 53.78 | 14 41 11.25    | /           | /           | /           | /           | 371.99  |
| 486 | G61.55-0.42_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | Tracking        | 19 48 56.46 | 25 01 06.29    | /           | /           | /           | /           | 361.03  |
| 487 | G61.55-0.42_cal   | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 48 56.46 | 25 01 06.29    | /           | /           | /           | /           | 35.63   |
| 488 | G61.55-0.42       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 19 48 56.46 | 25 01 06.29    | /           | /           | /           | /           | 3765.45 |
| 489 | G61.55-0.42       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 48 56.46 | 25 01 06.29    | /           | /           | /           | /           | 371.99  |
| 490 | G73.05-0.68       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 20 18 14.19 | 34 36 39.74    | /           | /           | /           | /           | 3765.45 |
| 491 | G73.05-0.68       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 18 14.19 | 34 36 39.74    | /           | /           | /           | /           | 371.99  |
| 492 | G84.59-0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | psr       | SnapShot        | 20 53 28.43 | 43 56 43.73    | /           | /           | /           | /           | 3765.45 |
| 493 | G84.59-0.51       | ZD2020_2    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 53 28.43 | 43 56 43.73    | /           | /           | /           | /           | 371.99  |
| 494 | J2319+2049 OFF    | ZD2020_6    | 2020-03-01 | 19波束接收机 | beam1 | psr       | Tracking        | 23 19 00.00 | +20 59 00.0    | /           | /           | /           | /           | 37.93   |
| 495 | J2319+2049        | ZD2020_6    | 2020-03-01 | 19波束接收机 | beam1 | psr       | Tracking        | 23 19 30.00 | +20 49 34.0    | /           | /           | /           | /           | 75.54   |
| 496 | J2355+0049 OFF    | ZD2020_6    | 2020-03-01 | 19波束接收机 | beam1 | psr       | Tracking        | 23 55 30.00 | +00 59 43.0    | /           | /           | /           | /           | 37.93   |
| 497 | J2355+0049        | ZD2020_6    | 2020-03-01 | 19波束接收机 | beam1 | psr       | Tracking        | 23 55 30.00 | +00 49 43.0    | /           | /           | /           | /           | 75.54   |
| 498 | M31_Halo_Drift_26 | ZD2020_4    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +34 02 42.4061 | /           | /           | /           | /           | 2123.58 |
| 499 | 0029+349          | ZD2020_4    | 2020-03-01 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 500 | 0603+219          | 2019a-030-S | 2020-03-01 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 501 | PFUDS1            | 2019a-030-S | 2020-03-01 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 502 | Dec+1044          | N2020_3     | 2020-03-01 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +10 44 00.0    | /           | /           | /           | /           | 907.04  |
| 503 | G40.47+0.51_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | Tracking        | 19 03 25.60 | 06 56 10.47    | /           | /           | /           | /           | 361.03  |
| 504 | G40.47+0.51_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 03 25.60 | 06 56 10.47    | /           | /           | /           | /           | 35.63   |
| 505 | G40.47+0.51       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 19 03 25.60 | 06 56 10.47    | /           | /           | /           | /           | 3762.45 |
| 506 | G40.47+0.51       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 03 25.60 | 06 56 10.47    | /           | /           | /           | /           | 371.69  |
| 507 | G35.92-0.25       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 18 57 47.72 | 02 32 31.28    | /           | /           | /           | /           | 3765.45 |
| 508 | G35.92-0.25       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 57 47.72 | 02 32 31.28    | /           | /           | /           | /           | 371.99  |
| 509 | G33.67-0.42       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 18 54 17.39 | 00 27 45.00    | /           | /           | /           | /           | 3762.45 |

|     |                   |             |            |         |       |           |                 |             |                |             |             |             |             |         |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|---------|
| 510 | G33.67-0.42       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 54 17.39 | 00 27 45.00    | /           | /           | /           | /           | 371.69  |
| 511 | G41.50-0.25_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | Tracking        | 19 08 03.61 | 07 29 54.26    | /           | /           | /           | /           | 361.03  |
| 512 | G41.50-0.25_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 08 03.61 | 07 29 54.26    | /           | /           | /           | /           | 35.63   |
| 513 | G41.50-0.25       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 19 08 03.61 | 07 29 54.26    | /           | /           | /           | /           | 3765.45 |
| 514 | G41.50-0.25       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 08 03.61 | 07 29 54.26    | /           | /           | /           | /           | 371.99  |
| 515 | G46.34-0.17       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 19 16 51.69 | 11 49 45.48    | /           | /           | /           | /           | 3762.45 |
| 516 | G46.34-0.17       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 16 51.69 | 11 49 45.48    | /           | /           | /           | /           | 371.69  |
| 517 | G51.91-0.17       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 19 27 43.07 | 16 44 49.46    | /           | /           | /           | /           | 3765.45 |
| 518 | G51.91-0.17       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 27 43.07 | 16 44 49.46    | /           | /           | /           | /           | 371.99  |
| 519 | G59.45+0.68_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | Tracking        | 19 40 08.07 | 23 44 48.84    | /           | /           | /           | /           | 361.03  |
| 520 | G59.45+0.68_cal   | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 40 08.07 | 23 44 48.84    | /           | /           | /           | /           | 35.63   |
| 521 | G59.45+0.68       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 19 40 08.07 | 23 44 48.84    | /           | /           | /           | /           | 3765.45 |
| 522 | G59.45+0.68       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 40 08.07 | 23 44 48.84    | /           | /           | /           | /           | 371.99  |
| 523 | G70.06-0.76       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 20 10 39.23 | 32 04 50.43    | /           | /           | /           | /           | 3762.45 |
| 524 | G70.06-0.76       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 10 39.23 | 32 04 50.43    | /           | /           | /           | /           | 371.69  |
| 525 | G84.20-0.68       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | psr       | SnapShot        | 20 52 48.30 | 43 32 11.50    | /           | /           | /           | /           | 3765.45 |
| 526 | G84.20-0.68       | ZD2020_2    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 52 48.30 | 43 32 11.50    | /           | /           | /           | /           | 371.99  |
| 527 | J2300+4824_OFF    | ZD2020_6    | 2020-03-02 | 19波束接收机 | beam1 | psr       | Tracking        | 23 00 13.00 | +48 14 11.0    | /           | /           | /           | /           | 37.93   |
| 528 | J2300+4824        | ZD2020_6    | 2020-03-02 | 19波束接收机 | beam1 | psr       | Tracking        | 23 00 13.00 | +48 24 11.0    | /           | /           | /           | /           | 75.54   |
| 529 | J2215+4531_OFF    | ZD2020_6    | 2020-03-02 | 19波束接收机 | beam1 | psr       | Tracking        | 22 15 30.00 | +45 21 16.0    | /           | /           | /           | /           | 37.93   |
| 530 | J2215+4531        | ZD2020_6    | 2020-03-02 | 19波束接收机 | beam1 | psr       | Tracking        | 22 15 30.00 | +45 31 16.0    | /           | /           | /           | /           | 75.54   |
| 531 | M31_Halo_Drift_27 | ZD2020_4    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +33 41 02.1514 | /           | /           | /           | /           | 2123.58 |
| 532 | 0029+349          | ZD2020_4    | 2020-03-02 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 533 | 0603+219          | 2019a-030-S | 2020-03-02 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 534 | PFUDS1            | 2019a-030-S | 2020-03-02 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 227.26  |
| 535 | G39.73+0.59_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | Tracking        | 19 01 46.22 | 06 19 22.05    | /           | /           | /           | /           | 361.03  |
| 536 | G39.73+0.59_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 01 46.22 | 06 19 22.05    | /           | /           | /           | /           | 35.63   |
| 537 | G33.77+0.42       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 18 51 27.12 | 00 56 09.35    | /           | /           | /           | /           | 3765.45 |
| 538 | G33.77+0.42       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 51 27.12 | 00 56 09.35    | /           | /           | /           | /           | 371.99  |
| 539 | G37.04-0.17       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 18 59 33.14 | 03 34 53.54    | /           | /           | /           | /           | 3762.45 |
| 540 | G37.04-0.17       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 59 33.14 | 03 34 53.54    | /           | /           | /           | /           | 371.69  |
| 541 | G41.45-0.68_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | Tracking        | 19 09 29.14 | 07 15 35.14    | /           | /           | /           | /           | 361.03  |
| 542 | G41.45-0.68_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 09 29.14 | 07 15 35.14    | /           | /           | /           | /           | 35.63   |
| 543 | G41.45-0.68       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 19 09 29.14 | 07 15 35.14    | /           | /           | /           | /           | 2205.07 |
| 544 | G41.45-0.68       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 09 29.14 | 07 15 35.14    | /           | /           | /           | /           | 216.07  |
| 545 | G48.25+0.25       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 19 18 58.96 | 13 42 49.84    | /           | /           | /           | /           | 3762.45 |
| 546 | G48.25+0.25       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 18 58.96 | 13 42 49.84    | /           | /           | /           | /           | 371.69  |
| 547 | G53.09+0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 19 28 11.67 | 18 01 16.84    | /           | /           | /           | /           | 3765.45 |
| 548 | G53.09+0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 28 11.67 | 18 01 16.84    | /           | /           | /           | /           | 371.99  |
| 549 | G62.68-0.34_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | Tracking        | 19 51 09.21 | 26 01 48.87    | /           | /           | /           | /           | 361.03  |
| 550 | G62.68-0.34_cal   | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 51 09.21 | 26 01 48.87    | /           | /           | /           | /           | 35.63   |
| 551 | G62.68-0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 19 51 09.21 | 26 01 48.87    | /           | /           | /           | /           | 3762.45 |
| 552 | G62.68-0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 51 09.21 | 26 01 48.87    | /           | /           | /           | /           | 371.69  |
| 553 | G75.39+0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 20 20 38.51 | 37 07 22.30    | /           | /           | /           | /           | 3765.45 |
| 554 | G75.39+0.34       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 20 38.51 | 37 07 22.30    | /           | /           | /           | /           | 371.99  |
| 555 | G85.67-0.85       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | psr       | SnapShot        | 20 58 48.58 | 44 32 43.02    | /           | /           | /           | /           | 3765.45 |
| 556 | G85.67-0.85       | ZD2020_2    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 58 48.58 | 44 32 43.02    | /           | /           | /           | /           | 371.99  |
| 557 | M31_Halo_Drift_28 | ZD2020_4    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +33 19 21.8967 | /           | /           | /           | /           | 2123.58 |
| 558 | 0029+349          | ZD2020_4    | 2020-03-03 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 559 | J0210+4238_OFF    | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 00.00 | +42 28 00.0    | /           | /           | /           | /           | 37.93   |
| 560 | J0210+4238        | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 51.00 | +42 38 40.0    | /           | /           | /           | /           | 301.25  |

|     |                   |             |            |         |       |           |                 |              |               |             |             |             |             |         |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|--------------|---------------|-------------|-------------|-------------|-------------|---------|
| 561 | J0344-0901_OFF    | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 03 44 37.00  | -08 51 00.0   | /           | /           | /           | /           | 37.93   |
| 562 | J0344-0901        | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 03 44 37.00  | -09 01 00.0   | /           | /           | /           | /           | 301.25  |
| 563 | J0427+4723_OFF    | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 04 27 23.00  | +47 13 09.0   | /           | /           | /           | /           | 37.93   |
| 564 | J0427+4723        | ZD2020_6    | 2020-03-03 | 19波束接收机 | beam1 | psr       | Tracking        | 04 27 23.00  | +47 23 09.0   | /           | /           | /           | /           | 301.25  |
| 565 | 0603+219          | 2019a-030-S | 2020-03-03 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /            | /             | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 566 | PFUDS1            | 2019a-030-S | 2020-03-03 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /            | /             | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 567 | Dec+1105          | N2020_3     | 2020-03-03 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00  | +11 05 00.0   | /           | /           | /           | /           | 951.28  |
| 568 | G41.59+0.59_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | Tracking        | 19 05 12.27  | 07 58 29.39   | /           | /           | /           | /           | 361.03  |
| 569 | G41.59+0.59_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 05 12.27  | 07 58 29.39   | /           | /           | /           | /           | 35.63   |
| 570 | G41.59+0.59       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 19 05 12.27  | 07 58 29.39   | /           | /           | /           | /           | 3762.45 |
| 571 | G41.59+0.59       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 05 12.27  | 07 58 29.39   | /           | /           | /           | /           | 371.69  |
| 572 | G33.42+0.68       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 18 49 55.35  | 00 44 49.45   | /           | /           | /           | /           | 3762.45 |
| 573 | G33.42+0.68       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 49 55.35  | 00 44 49.45   | /           | /           | /           | /           | 371.69  |
| 574 | G36.02+0.59       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 18 54 57.30  | 03 00 56.67   | /           | /           | /           | /           | 3762.45 |
| 575 | G36.02+0.59       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 54 57.30  | 03 00 56.67   | /           | /           | /           | /           | 371.69  |
| 576 | G39.39+0.85_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | Tracking        | 19 00 13.84  | 06 08 04.42   | /           | /           | /           | /           | 361.03  |
| 577 | G39.39+0.85_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 00 13.84  | 06 08 04.42   | /           | /           | /           | /           | 35.63   |
| 578 | G39.39+0.85       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 19 00 13.84  | 06 08 04.42   | /           | /           | /           | /           | 3765.45 |
| 579 | G39.39+0.85       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 00 13.84  | 06 08 04.42   | /           | /           | /           | /           | 371.99  |
| 580 | G45.65+0.34       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 19 13 43.34  | 11 27 34.67   | /           | /           | /           | /           | 3762.45 |
| 581 | G45.65+0.34       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 13 43.34  | 11 27 34.67   | /           | /           | /           | /           | 371.69  |
| 582 | G50.10+0.25       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 19 22 35.54  | 15 21 16.65   | /           | /           | /           | /           | 3765.45 |
| 583 | G50.10+0.25       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 22 35.54  | 15 21 16.65   | /           | /           | /           | /           | 371.99  |
| 584 | G58.91-0.76_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | Tracking        | 19 44 24.80  | 22 33 54.05   | /           | /           | /           | /           | 361.03  |
| 585 | G58.91-0.76_cal   | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 44 24.80  | 22 33 54.05   | /           | /           | /           | /           | 35.63   |
| 586 | G58.91-0.76       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 19 44 24.80  | 22 33 54.05   | /           | /           | /           | /           | 3762.45 |
| 587 | G58.91-0.76       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 44 24.80  | 22 33 54.05   | /           | /           | /           | /           | 352.13  |
| 588 | G70.55+0.25       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 20 07 52.01  | 33 02 38.79   | /           | /           | /           | /           | 3765.45 |
| 589 | G70.55+0.25       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 07 52.01  | 33 02 38.79   | /           | /           | /           | /           | 371.99  |
| 590 | G85.72-0.42       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | psr       | SnapShot        | 20 57 10.96  | 44 51 31.63   | /           | /           | /           | /           | 3765.45 |
| 591 | G85.72-0.42       | ZD2020_2    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 57 10.96  | 44 51 31.63   | /           | /           | /           | /           | 371.99  |
| 592 | M31_Halo_Drift_29 | ZD2020_4    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33  | +32 57 41.642 | /           | /           | /           | /           | 2123.58 |
| 593 | 0029+349          | ZD2020_4    | 2020-03-04 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24  | +34 56 32.2   | /           | /           | /           | /           | 177.24  |
| 594 | J0540+4537_OFF    | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 40 02.00  | +45 27 02.0   | /           | /           | /           | /           | 37.93   |
| 595 | J0540+4537        | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 40 02.00  | +45 37 02.0   | /           | /           | /           | /           | 301.25  |
| 596 | J0552+4111_OFF    | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 52 55.00  | +41 01 04.0   | /           | /           | /           | /           | 37.93   |
| 597 | J0552+4111        | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 52 55.00  | +41 11 04.0   | /           | /           | /           | /           | 301.25  |
| 598 | J0539+0013_OFF    | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 39 45.00  | +00 23 36.0   | /           | /           | /           | /           | 37.93   |
| 599 | J0539+0013        | ZD2020_6    | 2020-03-04 | 19波束接收机 | beam1 | psr       | Tracking        | 05 39 45.00  | +00 13 36.0   | /           | /           | /           | /           | 301.25  |
| 600 | 0603+219          | 2019a-030-S | 2020-03-04 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /            | /             | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 601 | PFUDS1            | 2019a-030-S | 2020-03-04 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /            | /             | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 602 | Dec+1105          | N2020_3     | 2020-03-04 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00  | +11 05 00.0   | /           | /           | /           | /           | 951.28  |
| 603 | J1938+2213_OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 38 14.180 | +22 23 12.68  | /           | /           | /           | /           | 37.93   |
| 604 | J1938+2213        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 38 14.180 | +22 13 12.68  | /           | /           | /           | /           | 602.18  |
| 605 | J1953+1846_OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 53 46.00  | +18 56 42.00  | /           | /           | /           | /           | 37.93   |
| 606 | J1953+1846        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 53 46.00  | +18 46 42.00  | /           | /           | /           | /           | 602.18  |
| 607 | J1829-0505_OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 29 35.00  | -04 55 12.0   | /           | /           | /           | /           | 37.93   |
| 608 | J1829-0505        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 29 35.00  | -05 05 12.0   | /           | /           | /           | /           | 75.54   |
| 609 | J1825-0131_OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 25 26.00  | -01 21 17.7   | /           | /           | /           | /           | 37.93   |
| 610 | J1825-0131        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 25 26.00  | -01 31 17.7   | /           | /           | /           | /           | 75.54   |
| 611 | J1854-0037_OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 54 37.00  | -00 27 10.0   | /           | /           | /           | /           | 37.93   |

|     |                   |             |            |         |       |           |                 |             |                |             |             |             |             |         |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|---------|
| 612 | J1854-0037        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 18 54 37.00 | -00 37 10.0    | /           | /           | /           | /           | 75.54   |
| 613 | J1919-0454 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 19 11.00 | -04 44 48.0    | /           | /           | /           | /           | 37.93   |
| 614 | J1919-0454        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 19 11.00 | -04 54 48.0    | /           | /           | /           | /           | 75.54   |
| 615 | J1929+0129 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 29 36.00 | +01 19 36.0    | /           | /           | /           | /           | 37.93   |
| 616 | J1929+0129        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 19 29 36.00 | +01 29 36.0    | /           | /           | /           | /           | 75.54   |
| 617 | J2016+0700 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 20 16 38.00 | +07 10 00.0    | /           | /           | /           | /           | 37.93   |
| 618 | J2016+0700        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 20 16 38.00 | +07 00 00.0    | /           | /           | /           | /           | 75.54   |
| 619 | J2032+0700 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 20 32 26.00 | +07 10 00.0    | /           | /           | /           | /           | 37.93   |
| 620 | J2032+0700        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 20 32 26.00 | +07 00 00.0    | /           | /           | /           | /           | 75.54   |
| 621 | J2111+2132 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 42 41.0    | /           | /           | /           | /           | 37.93   |
| 622 | J2111+2132        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 21 11 45.00 | +21 32 41.0    | /           | /           | /           | /           | 75.54   |
| 623 | J2215+4531 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 22 15 30.00 | +45 21 16.0    | /           | /           | /           | /           | 37.93   |
| 624 | J2215+4531        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 22 15 30.00 | +45 31 16.0    | /           | /           | /           | /           | 75.54   |
| 625 | J2256-1024 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 22 56 56.39 | -10 14 34.37   | /           | /           | /           | /           | 37.93   |
| 626 | J2256-1024        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 22 56 56.39 | -10 24 34.37   | /           | /           | /           | /           | 75.54   |
| 627 | J2319+2049 OFF    | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 23 19 00.00 | +20 59 00.0    | /           | /           | /           | /           | 37.93   |
| 628 | J2319+2049        | ZD2020_6    | 2020-03-05 | 19波束接收机 | beam1 | psr       | Tracking        | 23 19 30.00 | +20 49 34.0    | /           | /           | /           | /           | 75.54   |
| 629 | M31_Halo_Drift_30 | ZD2020_4    | 2020-03-05 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +32 36 01.3873 | /           | /           | /           | /           | 2123.58 |
| 630 | 0029+349          | ZD2020_4    | 2020-03-05 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 631 | 0603+219          | 2019a-030-S | 2020-03-05 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 632 | PFUDS1            | 2019a-030-S | 2020-03-05 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 633 | Dec+1126          | N2020_3     | 2020-03-05 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +11 26 00.0    | /           | /           | /           | /           | 951.65  |
| 634 | G41.94+0.34_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | Tracking        | 19 06 45.13 | +08 09 43.89   | /           | /           | /           | /           | 361.03  |
| 635 | G41.94+0.34_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 06 45.13 | +08 09 43.89   | /           | /           | /           | /           | 35.63   |
| 636 | G41.94+0.34       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 19 06 45.13 | +08 09 43.89   | /           | /           | /           | /           | 3762.45 |
| 637 | G41.94+0.34       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 06 45.13 | +08 09 43.89   | /           | /           | /           | /           | 371.69  |
| 638 | G34.89+0.51       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 18 53 12.17 | +01 58 33.10   | /           | /           | /           | /           | 3765.45 |
| 639 | G34.89+0.51       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 53 12.17 | +01 58 33.10   | /           | /           | /           | /           | 371.99  |
| 640 | G44.82-0.42_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | Tracking        | 19 14 53.98 | +10 22 08.42   | /           | /           | /           | /           | 361.03  |
| 641 | G44.82-0.42_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 14 53.98 | +10 22 08.42   | /           | /           | /           | /           | 35.63   |
| 642 | G44.82-0.42       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 19 14 53.98 | +10 22 08.42   | /           | /           | /           | /           | 3762.45 |
| 643 | G44.82-0.42       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 14 53.98 | +10 22 08.42   | /           | /           | /           | /           | 371.69  |
| 644 | G51.87-0.59       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 19 29 10.43 | +16 30 05.99   | /           | /           | /           | /           | 3762.45 |
| 645 | G51.87-0.59       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 29 10.43 | +16 30 05.99   | /           | /           | /           | /           | 371.69  |
| 646 | G60.38-0.93_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | Tracking        | 19 48 15.46 | +23 44 55.14   | /           | /           | /           | /           | 361.03  |
| 647 | G60.38-0.93_cal   | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 48 15.46 | +23 44 55.14   | /           | /           | /           | /           | 35.63   |
| 648 | G60.38-0.93       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 19 48 15.46 | +23 44 55.14   | /           | /           | /           | /           | 3765.45 |
| 649 | G60.38-0.93       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 48 15.46 | +23 44 55.14   | /           | /           | /           | /           | 371.99  |
| 650 | G74.66+0.42       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 20 18 13.25 | +36 33 54.83   | /           | /           | /           | /           | 3765.45 |
| 651 | G74.66+0.42       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 18 13.25 | +36 33 54.83   | /           | /           | /           | /           | 371.99  |
| 652 | G83.07-0.76       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | psr       | SnapShot        | 20 49 14.66 | +42 36 52.43   | /           | /           | /           | /           | 3765.45 |
| 653 | G83.07-0.76       | ZD2020_2    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 49 14.66 | +42 36 52.43   | /           | /           | /           | /           | 371.99  |
| 654 | J2355+0049 OFF    | ZD2020_6    | 2020-03-06 | 19波束接收机 | beam1 | psr       | Tracking        | 23 55 30.00 | +00 59 43.0    | /           | /           | /           | /           | 37.93   |
| 655 | J2355+0049        | ZD2020_6    | 2020-03-06 | 19波束接收机 | beam1 | psr       | Tracking        | 23 55 30.00 | +00 49 43.0    | /           | /           | /           | /           | 75.54   |
| 656 | J2300+4824 OFF    | ZD2020_6    | 2020-03-06 | 19波束接收机 | beam1 | psr       | Tracking        | 23 00 13.00 | +48 14 11.0    | /           | /           | /           | /           | 37.93   |
| 657 | J2300+4824        | ZD2020_6    | 2020-03-06 | 19波束接收机 | beam1 | psr       | Tracking        | 23 00 13.00 | +48 24 11.0    | /           | /           | /           | /           | 75.54   |
| 658 | M31_Halo_Drift_31 | ZD2020_4    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +32 14 21.1326 | /           | /           | /           | /           | 2123.58 |
| 659 | 0029+349          | ZD2020_4    | 2020-03-06 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 660 | 0603+219          | 2019a-030-S | 2020-03-06 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1    |
| 661 | PFUDS1            | 2019a-030-S | 2020-03-06 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28  |
| 662 | Dec+1126          | N2020_3     | 2020-03-06 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +11 26 00.0    | /           | /           | /           | /           | 951.28  |

|     |                   |             |            |         |       |           |                 |             |                |             |             |             |             |          |
|-----|-------------------|-------------|------------|---------|-------|-----------|-----------------|-------------|----------------|-------------|-------------|-------------|-------------|----------|
| 663 | J1852-0829A       | ZD2020_5    | 2020-03-07 | 19波束接收机 | all   | psr       | Tracking        | 18 52 05.00 | -08 29 35.0    | /           | /           | /           | /           | 28594.94 |
| 664 | J2145-0009A       | ZD2020_5    | 2020-03-07 | 19波束接收机 | all   | psr       | Tracking        | 21 45 12.00 | -00 09 37.0    | /           | /           | /           | /           | 32168.59 |
| 665 | J2234-1218A       | ZD2020_5    | 2020-03-07 | 19波束接收机 | all   | psr       | Tracking        | 22 34 06.00 | -12 18 46.0    | /           | /           | /           | /           | 7308.88  |
| 666 | M31_Halo_Drift_32 | ZD2020_4    | 2020-03-07 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +31 52 40.8779 | /           | /           | /           | /           | 2123.58  |
| 667 | 0029+349          | ZD2020_4    | 2020-03-07 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24   |
| 668 | J0133+3151B       | ZD2020_5    | 2020-03-07 | 19波束接收机 | beam1 | psr       | Tracking        | 01 33 47.00 | +31 51 30.0    | /           | /           | /           | /           | 1316.91  |
| 669 | J0133+3151C       | ZD2020_5    | 2020-03-07 | 19波束接收机 | beam1 | psr       | Tracking        | 01 33 50.34 | +31 53 51.4    | /           | /           | /           | /           | 1316.91  |
| 670 | G04-1             | 3033        | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | Tracking        | 04 12 19.71 | -05 54 48.67   | /           | /           | /           | /           | 15.93    |
| 671 | G04-1_OFF1        | 3033        | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | Tracking        | 04 06 35.31 | -05 54 49.16   | /           | /           | /           | /           | 22.16    |
| 672 | G04-1_OFF2        | 3033        | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | Tracking        | 04 00 49.71 | -05 54 49.37   | /           | /           | /           | /           | 22.16    |
| 673 | 0603+219          | 2019a-030-S | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 06 01 51.56 | 06 05 51.56 | +21 49 24.5 | +22 09 50.9 | 47.1     |
| 674 | PFUDS1            | 2019a-030-S | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | OnTheFlyMapping | /           | /              | 08 16 07.21 | 08 18 16.79 | +21 55 48.0 | +22 25 48.0 | 340.28   |
| 675 | Dec+1147          | N2020_3     | 2020-03-07 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle  | 05 20 00.00 | +11 47 00.0    | /           | /           | /           | /           | 813.8    |
| 676 | G40.81+0.25_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | Tracking        | 19 04 58.20 | +07 07 26.19   | /           | /           | /           | /           | 361.03   |
| 677 | G40.81+0.25_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 04 58.20 | +07 07 26.19   | /           | /           | /           | /           | 35.63    |
| 678 | G40.81+0.25       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 19 04 58.20 | +07 07 26.19   | /           | /           | /           | /           | 3762.45  |
| 679 | G40.81+0.25       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 04 58.20 | +07 07 26.19   | /           | /           | /           | /           | 371.69   |
| 680 | G32.69+0.76       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 18 48 16.96 | +00 07 57.75   | /           | /           | /           | /           | 3762.45  |
| 681 | G32.69+0.76       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 18 48 16.96 | +00 07 57.75   | /           | /           | /           | /           | 371.69   |
| 682 | G45.95-0.34_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | Tracking        | 19 16 43.69 | +11 24 14.79   | /           | /           | /           | /           | 361.03   |
| 683 | G45.95-0.34_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 16 43.69 | +11 24 14.79   | /           | /           | /           | /           | 35.63    |
| 684 | G45.95-0.34       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 19 16 43.69 | +11 24 14.79   | /           | /           | /           | /           | 3762.45  |
| 685 | G45.95-0.34       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 16 43.69 | +11 24 14.79   | /           | /           | /           | /           | 371.69   |
| 686 | G51.62+0.51       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 19 24 38.62 | +16 48 39.86   | /           | /           | /           | /           | 3762.45  |
| 687 | G51.62+0.51       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 24 38.62 | +16 48 39.86   | /           | /           | /           | /           | 371.69   |
| 688 | G62.38+0.34_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | Tracking        | 19 47 53.36 | +26 07 17.31   | /           | /           | /           | /           | 361.03   |
| 689 | G62.38+0.34_cal   | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 47 53.36 | +26 07 17.31   | /           | /           | /           | /           | 35.63    |
| 690 | G62.38+0.34       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 19 47 53.36 | +26 07 17.31   | /           | /           | /           | /           | 3762.45  |
| 691 | G62.38+0.34       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 47 53.36 | +26 07 17.31   | /           | /           | /           | /           | 371.69   |
| 692 | G73.10-0.25       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 20 16 39.74 | +34 53 20.55   | /           | /           | /           | /           | 3762.45  |
| 693 | G73.10-0.25       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 20 16 39.74 | +34 53 20.55   | /           | /           | /           | /           | 371.69   |
| 694 | G87.04-1.86       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | psr       | SnapShot        | 21 08 12.68 | +44 53 27.01   | /           | /           | /           | /           | 3762.45  |
| 695 | G87.04-1.86       | ZD2020_2    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | SnapShot        | 21 08 12.68 | +44 53 27.01   | /           | /           | /           | /           | 371.69   |
| 696 | M31_Halo_Drift_33 | ZD2020_4    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +31 31 00.6232 | /           | /           | /           | /           | 2123.58  |
| 697 | 0029+349          | ZD2020_4    | 2020-03-08 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24   |
| 698 | J0021-0909_OFF    | ZD2020_6    | 2020-03-08 | 19波束接收机 | beam1 | psr       | Tracking        | 00 21 46.00 | -09 00 17.0    | /           | /           | /           | /           | 37.93    |
| 699 | J0021-0909        | ZD2020_6    | 2020-03-08 | 19波束接收机 | beam1 | psr       | Tracking        | 00 21 46.00 | -09 09 17.0    | /           | /           | /           | /           | 75.54    |
| 700 | J0209+2621_OFF    | ZD2020_6    | 2020-03-08 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +26 11 00.0    | /           | /           | /           | /           | 37.93    |
| 701 | J0209+2621        | ZD2020_6    | 2020-03-08 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +26 21 22.0    | /           | /           | /           | /           | 75.54    |
| 702 | G43.11+0.85_cal   | ZD2020_2    | 2020-03-11 | 19波束接收机 | all   | psr       | Tracking        | 19 07 06.60 | +09 26 18.27   | /           | /           | /           | /           | 90.26    |
| 703 | G43.11+0.85_cal   | ZD2020_2    | 2020-03-11 | 19波束接收机 | all   | spec(F)   | Tracking        | 19 07 06.60 | +09 26 18.27   | /           | /           | /           | /           | 35.63    |
| 704 | G43.11+0.85       | ZD2020_2    | 2020-03-11 | 19波束接收机 | all   | psr       | SnapShot        | 19 07 06.60 | +09 26 18.27   | /           | /           | /           | /           | 940.64   |
| 705 | G43.11+0.85       | ZD2020_2    | 2020-03-11 | 19波束接收机 | all   | spec(F)   | SnapShot        | 19 07 06.60 | +09 26 18.27   | /           | /           | /           | /           | 371.69   |
| 706 | M31_Halo_Drift_34 | ZD2020_4    | 2020-03-11 | 19波束接收机 | all   | spec(F)   | DriftWithAngle  | 23 50 44.33 | +31 09 20.3685 | /           | /           | /           | /           | 2123.58  |
| 707 | 0029+349          | ZD2020_4    | 2020-03-11 | 19波束接收机 | all   | spec(F)   | Tracking        | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24   |
| 708 | J0133+3151A       | ZD2020_5    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 01 33 43.66 | +31 49 08.6    | /           | /           | /           | /           | 1316.91  |
| 709 | J0209+4332_OFF    | ZD2020_6    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 00.00 | +43 22 00.0    | /           | /           | /           | /           | 37.93    |
| 710 | J0209+4332        | ZD2020_6    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 02 09 50.00 | +43 32 25.0    | /           | /           | /           | /           | 150.77   |
| 711 | J0210+4238_OFF    | ZD2020_6    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 00.00 | +42 28 00.0    | /           | /           | /           | /           | 37.93    |
| 712 | J0210+4238        | ZD2020_6    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 02 10 51.00 | +42 38 40.0    | /           | /           | /           | /           | 188.39   |
| 713 | J0427+4723_OFF    | ZD2020_6    | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking        | 04 27 23.00 | +47 13 09.0    | /           | /           | /           | /           | 37.93    |

|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 714 | J0427+4723        | ZD2020_6 | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23.00 | +47 23 09.0    | / | / | / | / | 301.25  |
| 715 | J0540+4537 OFF    | ZD2020_6 | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking       | 05 40 02.00 | +45 27 02.0    | / | / | / | / | 37.93   |
| 716 | J0540+4537        | ZD2020_6 | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking       | 05 40 02.00 | +45 37 02.0    | / | / | / | / | 113.16  |
| 717 | J0552+4111 OFF    | ZD2020_6 | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking       | 05 52 55.00 | +41 01 04.0    | / | / | / | / | 37.93   |
| 718 | J0552+4111        | ZD2020_6 | 2020-03-11 | 19波束接收机 | beam1 | psr       | Tracking       | 05 52 55.00 | +41 11 04.0    | / | / | / | / | 301.25  |
| 719 | Dec+1208          | N2020_3  | 2020-03-11 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 08 00.0    | / | / | / | / | 408.57  |
| 720 | D13-5             | N2020_3  | 2020-03-12 | 19波束接收机 | all   | spec(W+N) | Tracking       | 13 30 07.01 | +00 31 53.45   | / | / | / | / | 22.16   |
| 721 | D13-5 OFF2        | N2020_3  | 2020-03-12 | 19波束接收机 | all   | spec(W+N) | Tracking       | 13 18 37.01 | +00 31 52.75   | / | / | / | / | 22.16   |
| 722 | M31 Halo Drift_35 | ZD2020_4 | 2020-03-12 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +30 47 40.1138 | / | / | / | / | 2083.8  |
| 723 | 0029+349          | ZD2020_4 | 2020-03-12 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 724 | J0203-0150 OFF    | ZD2020_6 | 2020-03-12 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 00.00 | -01 40 00.0    | / | / | / | / | 37.93   |
| 725 | J0203-0150        | ZD2020_6 | 2020-03-12 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 32.00 | -01 50 13.0    | / | / | / | / | 301.25  |
| 726 | FRB121102         | ZD2020_5 | 2020-03-12 | 19波束接收机 | beam1 | psr       | Tracking       | 05 31 58.70 | +33 08 52.5    | / | / | / | / | 1730.72 |
| 727 | Dec+1208          | N2020_3  | 2020-03-12 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 08 00.0    | / | / | / | / | 766.11  |
| 728 | D13-5 OFF1        | N2020_3  | 2020-03-13 | 19波束接收机 | all   | spec(W+N) | Tracking       | 13 24 22.61 | +00 31 52.96   | / | / | / | / | 22.16   |
| 729 | D13-5             | N2020_3  | 2020-03-13 | 19波束接收机 | all   | spec(W+N) | Tracking       | 13 30 07.01 | +00 31 53.45   | / | / | / | / | 22.16   |
| 730 | D13-5 OFF2        | N2020_3  | 2020-03-13 | 19波束接收机 | all   | spec(W+N) | Tracking       | 13 18 37.01 | +00 31 52.75   | / | / | / | / | 22.16   |
| 731 | J2238+4038 OFF    | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 35.00 | +40 28 24.0    | / | / | / | / | 37.93   |
| 732 | J2238+4038        | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 35.00 | +40 38 24.0    | / | / | / | / | 75.54   |
| 733 | J2300+4824 OFF    | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 14 11.0    | / | / | / | / | 37.93   |
| 734 | J2300+4824        | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 24 11.0    | / | / | / | / | 75.54   |
| 735 | M31 Halo Drift_36 | ZD2020_4 | 2020-03-13 | 19波束接收机 | beam1 | spec(F)   | DriftWithAngle | 23 50 44.33 | +30 25 59.8591 | / | / | / | / | 2123.58 |
| 736 | 0029+349          | ZD2020_4 | 2020-03-13 | 19波束接收机 | beam1 | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 737 | J0209+4332 OFF    | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00 | +43 22 00.0    | / | / | / | / | 37.93   |
| 738 | J0209+4332        | ZD2020_6 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 50.00 | +43 32 25.0    | / | / | / | / | 301.25  |
| 739 | FRB121102         | ZD2020_5 | 2020-03-13 | 19波束接收机 | beam1 | psr       | Tracking       | 05 31 58.70 | +33 08 52.5    | / | / | / | / | 1739.94 |
| 740 | Dec+1208          | N2020_3  | 2020-03-13 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 08 00.0    | / | / | / | / | 912.09  |
| 741 | J2301+4809 OFF    | ZD2020_6 | 2020-03-14 | 19波束接收机 | beam1 | psr       | Tracking       | 23 01 42.00 | +48 00 25.0    | / | / | / | / | 37.93   |
| 742 | J2301+4809        | ZD2020_6 | 2020-03-14 | 19波束接收机 | beam1 | psr       | Tracking       | 23 01 42.00 | +48 09 25.0    | / | / | / | / | 75.54   |
| 743 | M31 Halo Drift_37 | ZD2020_4 | 2020-03-14 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +30 04 19.6044 | / | / | / | / | 2123.58 |
| 744 | 0029+349          | ZD2020_4 | 2020-03-14 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 745 | J0203-0150 OFF    | ZD2020_6 | 2020-03-14 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 00.00 | -01 40 00.0    | / | / | / | / | 37.93   |
| 746 | J0203-0150        | ZD2020_6 | 2020-03-14 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 32.00 | -01 50 13.0    | / | / | / | / | 150.77  |
| 747 | FRB121102         | ZD2020_5 | 2020-03-14 | 19波束接收机 | beam1 | psr       | Tracking       | 05 31 58.70 | +33 08 52.5    | / | / | / | / | 1739.94 |
| 748 | Dec+1229          | N2020_3  | 2020-03-14 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 29 00.0    | / | / | / | / | 877.24  |
| 749 | G44.97+0.85_cal   | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | Tracking       | 19 10 35.49 | +11 05 16.66   | / | / | / | / | 720.67  |
| 750 | G44.97+0.85_cal   | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 10 35.49 | +11 05 16.66   | / | / | / | / | 35.63   |
| 751 | G44.97+0.85       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 19 10 35.49 | +11 05 16.66   | / | / | / | / | 7516.34 |
| 752 | G44.97+0.85       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 10 35.49 | +11 05 16.66   | / | / | / | / | 371.99  |
| 753 | G34.55+0.76       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 18 51 40.36 | +01 47 13.19   | / | / | / | / | 3762.45 |
| 754 | G34.55+0.76       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 51 40.36 | +01 47 13.19   | / | / | / | / | 371.69  |
| 755 | G32.94-0.34       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 18 52 38.99 | -00 09 06.71   | / | / | / | / | 3762.45 |
| 756 | G32.94-0.34       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 52 38.99 | -00 09 06.71   | / | / | / | / | 371.69  |
| 757 | G40.32-0.76_cal   | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | Tracking       | 19 07 42.07 | +06 13 20.01   | / | / | / | / | 720.67  |
| 758 | G40.32-0.76_cal   | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 07 42.07 | +06 13 20.01   | / | / | / | / | 35.63   |
| 759 | G40.32-0.76       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 19 07 42.07 | +06 13 20.01   | / | / | / | / | 7516.34 |
| 760 | G40.32-0.76       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 07 42.07 | +06 13 20.01   | / | / | / | / | 371.99  |
| 761 | G44.43-0.59       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 19 14 46.21 | +09 56 37.56   | / | / | / | / | 3762.45 |
| 762 | G44.43-0.59       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 14 46.21 | +09 56 37.56   | / | / | / | / | 371.69  |
| 763 | G50.79-0.25       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 19 25 47.83 | +15 43 02.29   | / | / | / | / | 3765.45 |
| 764 | G50.79-0.25       | ZD2020_2 | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 25 47.83 | +15 43 02.29   | / | / | / | / | 371.99  |

|     |                       |            |            |         |       |           |                |             |                |   |   |   |   |          |
|-----|-----------------------|------------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|----------|
| 765 | G58.52-0.93_cal       | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | psr       | Tracking       | 19 44 12.22 | +22 08 28.94   | / | / | / | / | 720.67   |
| 766 | G58.52-0.93_cal       | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 44 12.22 | +22 08 28.94   | / | / | / | / | 35.63    |
| 767 | G58.52-0.93           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 19 44 12.22 | +22 08 28.94   | / | / | / | / | 1215.68  |
| 768 | G58.52-0.93           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 44 12.22 | +22 08 28.94   | / | / | / | / | 15.24    |
| 769 | G69.28-1.10           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 20 09 58.86 | +31 14 23.94   | / | / | / | / | 7510.34  |
| 770 | G69.28-1.10           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 09 58.86 | +31 14 23.94   | / | / | / | / | 371.69   |
| 771 | G86.45-0.51           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | psr       | SnapShot       | 21 00 16.00 | +45 21 29.62   | / | / | / | / | 3762.45  |
| 772 | G86.45-0.51           | ZD2020_2   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 21 00 16.00 | +45 21 29.62   | / | / | / | / | 371.69   |
| 773 | J2111+2132_OFF        | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 21 11 45.00 | +21 42 41.0    | / | / | / | / | 37.93    |
| 774 | J2111+2132            | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 21 11 45.00 | +21 32 41.0    | / | / | / | / | 75.54    |
| 775 | J2230-0336_OFF        | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 22 30 01.00 | -03 26 00.0    | / | / | / | / | 37.93    |
| 776 | J2230-0336            | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 22 30 01.00 | -03 36 00.0    | / | / | / | / | 75.54    |
| 777 | J2236+4928_OFF        | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 40.00 | +49 18 52.0    | / | / | / | / | 37.93    |
| 778 | J2236+4928            | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 40.00 | +49 28 52.0    | / | / | / | / | 75.54    |
| 779 | J2307-0558_OFF        | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 23 07 24.00 | -05 48 30.0    | / | / | / | / | 37.93    |
| 780 | J2307-0558            | ZD2020_6   | 2020-03-15 | 19波束接收机 | beam1 | psr       | Tracking       | 23 07 24.00 | -05 58 30.0    | / | / | / | / | 150.77   |
| 781 | M31_Halo_Drift_38     | ZD2020_4   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +29 42 39.3497 | / | / | / | / | 2123.58  |
| 782 | 0029+349              | ZD2020_4   | 2020-03-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 783 | Dec+1229              | N2020_3    | 2020-03-15 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 29 00.0    | / | / | / | / | 1836.2   |
| 784 | Dec+5631(1bit&1bit1k) | ZD2020_1_1 | 2020-03-16 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | +56 31 6.89301 | / | / | / | / | 8803.71  |
| 785 | Dec+5631              | ZD2020_1_2 | 2020-03-16 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +56 31 6.89301 | / | / | / | / | 13401.77 |
| 786 | Dec+5652(1bit&1bit1k) | ZD2020_1_1 | 2020-03-17 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | +56 52 47.0975 | / | / | / | / | 10843.77 |
| 787 | Dec+5652              | ZD2020_1_2 | 2020-03-17 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +56 52 47.0975 | / | / | / | / | 15928.58 |
| 788 | Dec+5714(1bit&1bit1k) | ZD2020_1_1 | 2020-03-18 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | +57 14 27.3019 | / | / | / | / | 15150.81 |
| 789 | Dec+5714              | ZD2020_1_2 | 2020-03-18 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +57 14 27.3019 | / | / | / | / | 15817.98 |
| 790 | Dec+1250              | N2020_3    | 2020-03-19 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 50 00.0    | / | / | / | / | 789.05   |
| 791 | J1929+1357_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 29 10.62 | +14 07 35.9    | / | / | / | / | 12.69    |
| 792 | J1929+1357            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 29 10.62 | +13 57 35.9    | / | / | / | / | 150.55   |
| 793 | J1953+1846_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 53 46.00 | +18 56 42.0    | / | / | / | / | 9.48     |
| 794 | J1953+1846            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 19 53 46.00 | +18 46 42.0    | / | / | / | / | 150.55   |
| 795 | J2016+0700_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 38.00 | +07 10 00.0    | / | / | / | / | 9.48     |
| 796 | J2016+0700            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 16 38.00 | +07 00 00.0    | / | / | / | / | 18.89    |
| 797 | J2025+2133_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00 | +21 43 39.0    | / | / | / | / | 9.48     |
| 798 | J2025+2133            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 25 40.00 | +21 33 39.0    | / | / | / | / | 18.89    |
| 799 | J2032+0700_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 32 26.00 | +07 10 00.0    | / | / | / | / | 9.48     |
| 800 | J2032+0700            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 32 26.00 | +07 00 00.0    | / | / | / | / | 18.89    |
| 801 | J2053+4721_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 53 03.00 | +47 11 26.0    | / | / | / | / | 9.48     |
| 802 | J2053+4721            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 20 53 03.00 | +47 21 26.0    | / | / | / | / | 18.89    |
| 803 | J2108+4107_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 08 30.00 | +40 57 00.0    | / | / | / | / | 9.48     |
| 804 | J2108+4107            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 08 30.00 | +41 07 00.0    | / | / | / | / | 18.89    |
| 805 | J2111+2132_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 11 45.00 | +21 42 41.0    | / | / | / | / | 9.48     |
| 806 | J2111+2132            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 11 45.00 | +21 32 41.0    | / | / | / | / | 18.89    |
| 807 | J2112+4105_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 12 34.00 | +40 55 12.0    | / | / | / | / | 9.48     |
| 808 | J2112+4105            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 12 34.00 | +41 05 12.0    | / | / | / | / | 18.89    |
| 809 | J2129+4115_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 29 18.00 | +41 05 49.0    | / | / | / | / | 9.48     |
| 810 | J2129+4115            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 21 29 18.00 | +41 15 49.0    | / | / | / | / | 18.89    |
| 811 | J2236+4928_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 40.00 | +49 18 52.0    | / | / | / | / | 9.48     |
| 812 | J2236+4928            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 22 36 40.00 | +49 28 52.0    | / | / | / | / | 18.89    |
| 813 | J2238+4038_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 35.00 | +40 28 24.0    | / | / | / | / | 9.48     |
| 814 | J2238+4038            | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 22 38 35.00 | +40 38 24.0    | / | / | / | / | 18.89    |
| 815 | J2300+4824_OFF        | ZD2020_6   | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 14 11.0    | / | / | / | / | 9.87     |



|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 816 | J2300+4824        | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 23 00 13.00 | +48 24 11.0    | / | / | / | / | 18.89   |
| 817 | M31_Halo_Drift_39 | ZD2020_4 | 2020-03-20 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +29 20 59.095  | / | / | / | / | 2123.58 |
| 818 | 0029+349          | ZD2020_4 | 2020-03-20 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 819 | J0210+4238_OFF    | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 02 10 00.00 | +42 28 00.0    | / | / | / | / | 9.48    |
| 820 | J0210+4238        | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 02 10 51.00 | +42 38 40.0    | / | / | / | / | 18.89   |
| 821 | J0344-0901_OFF    | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 03 44 37.00 | -08 51 02.0    | / | / | / | / | 9.48    |
| 822 | J0344-0901        | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 03 44 37.00 | -09 01 02.0    | / | / | / | / | 37.69   |
| 823 | J0402+4827_OFF    | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 04 02 31.00 | +48 17 16.0    | / | / | / | / | 9.48    |
| 824 | J0402+4827        | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 04 02 31.00 | +48 27 16.0    | / | / | / | / | 18.89   |
| 825 | J0552+4111_OFF    | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 05 52 55.00 | +41 01 04.0    | / | / | / | / | 9.48    |
| 826 | J0552+4111        | ZD2020_6 | 2020-03-20 | 19波束接收机 | beam1 | psr       | Tracking       | 05 52 55.00 | +41 11 04.0    | / | / | / | / | 28.29   |
| 827 | Dec+1250          | N2020_3  | 2020-03-20 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +12 50 00.0    | / | / | / | / | 871.15  |
| 828 | G43.01+0.00_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | Tracking       | 19 09 58.46 | +08 57 40.38   | / | / | / | / | 180.52  |
| 829 | G43.01+0.00_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 09 58.46 | +08 57 40.38   | / | / | / | / | 35.63   |
| 830 | G43.01+0.00       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 19 09 58.46 | +08 57 40.38   | / | / | / | / | 404.09  |
| 831 | G43.01+0.00       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 09 58.46 | +08 57 40.38   | / | / | / | / | 76      |
| 832 | G33.03+0.51       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 18 49 48.73 | +00 19 17.54   | / | / | / | / | 1882.74 |
| 833 | G33.03+0.51       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 49 48.73 | +00 19 17.54   | / | / | / | / | 371.99  |
| 834 | G35.63+0.42       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 18 54 50.65 | +02 35 24.75   | / | / | / | / | 1882.74 |
| 835 | G35.63+0.42       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 54 50.65 | +02 35 24.75   | / | / | / | / | 371.99  |
| 836 | G41.25+0.85_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | Tracking       | 19 03 39.50 | +07 47 13.73   | / | / | / | / | 360.33  |
| 837 | G41.25+0.85_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 03 39.50 | +07 47 13.73   | / | / | / | / | 35.63   |
| 838 | G41.25+0.85       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 19 03 39.50 | +07 47 13.73   | / | / | / | / | 3758.18 |
| 839 | G41.25+0.85       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 03 39.50 | +07 47 13.73   | / | / | / | / | 371.99  |
| 840 | G44.53+0.25       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 19 11 54.24 | +10 25 24.27   | / | / | / | / | 1881.24 |
| 841 | G44.53+0.25       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 11 54.24 | +10 25 24.27   | / | / | / | / | 371.69  |
| 842 | G50.84+0.17       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 19 24 20.57 | +15 57 40.50   | / | / | / | / | 1881.24 |
| 843 | G50.84+0.17       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 24 20.57 | +15 57 40.50   | / | / | / | / | 371.69  |
| 844 | G61.21-0.17_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | Tracking       | 19 47 12.61 | +24 51 04.88   | / | / | / | / | 360.33  |
| 845 | G61.21-0.17_cal   | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 47 12.61 | +24 51 04.88   | / | / | / | / | 35.63   |
| 846 | G61.21-0.17       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 19 47 12.61 | +24 51 04.88   | / | / | / | / | 1882.74 |
| 847 | G61.21-0.17       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 47 12.61 | +24 51 04.88   | / | / | / | / | 371.99  |
| 848 | G72.66-0.85       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 20 17 51.02 | +34 11 31.67   | / | / | / | / | 3758.18 |
| 849 | G72.66-0.85       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 17 51.02 | +34 11 31.67   | / | / | / | / | 371.99  |
| 850 | G88.21-1.36       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | psr       | SnapShot       | 21 10 37.93 | +46 05 50.41   | / | / | / | / | 3758.18 |
| 851 | G88.21-1.36       | ZD2020_2 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 21 10 37.93 | +46 05 50.41   | / | / | / | / | 371.99  |
| 852 | M31_Halo_Drift_40 | ZD2020_4 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +43 26 09.0282 | / | / | / | / | 2123.58 |
| 853 | 0029+349          | ZD2020_4 | 2020-03-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 854 | J0203-0150_OFF    | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 32.00 | -01 40 00.0    | / | / | / | / | 9.48    |
| 855 | J0203-0150        | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 02 03 32.00 | -01 50 13.0    | / | / | / | / | 28.29   |
| 856 | J0209+2621_OFF    | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00 | +26 11 22.0    | / | / | / | / | 9.48    |
| 857 | J0209+2621        | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 02 09 00.00 | +26 21 22.0    | / | / | / | / | 28.29   |
| 858 | J0529-0711_OFF    | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 29 01.00 | -07 01 52.0    | / | / | / | / | 9.48    |
| 859 | J0529-0711        | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 29 01.00 | -07 11 52.0    | / | / | / | / | 28.29   |
| 860 | J0427+4723_OFF    | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23.00 | +47 13 09.0    | / | / | / | / | 9.48    |
| 861 | J0427+4723        | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 04 27 23.00 | +47 23 09.0    | / | / | / | / | 28.29   |
| 862 | J0539+0013_OFF    | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 39 45.00 | +00 23 36.0    | / | / | / | / | 9.48    |
| 863 | J0539+0013        | ZD2020_6 | 2020-03-21 | 19波束接收机 | beam1 | psr       | Tracking       | 05 39 45.00 | +00 13 36.0    | / | / | / | / | 28.29   |
| 864 | Dec+1311          | N2020_3  | 2020-03-21 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 11 00.0    | / | / | / | / | 814.14  |
| 865 | D15-3_OFF1        | N2020_3  | 2020-03-22 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 28 51.00 | -00 28 44.99   | / | / | / | / | 22.19   |
| 866 | D15-3             | N2020_3  | 2020-03-22 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 34 35.40 | -00 28 44.50   | / | / | / | / | 22.16   |

|     |                   |          |            |         |       |           |                |             |                |             |             |              |              |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|-------------|-------------|--------------|--------------|---------|
| 867 | D15-3_OFF2        | N2020_3  | 2020-03-22 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 23 05.40 | -00 28 45.20   | /           | /           | /            | /            | 22.16   |
| 868 | G37.88+0.59       | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | psr       | SnapShot       | 18 58 21.34 | +04 40 10.69   | /           | /           | /            | /            | 1882.74 |
| 869 | G37.88+0.59       | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 58 21.34 | +04 40 10.69   | /           | /           | /            | /            | 371.99  |
| 870 | G35.09-1.02_cal   | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | psr       | Tracking       | 18 58 59.44 | +01 27 14.55   | /           | /           | /            | /            | 180.52  |
| 871 | G35.09-1.02_cal   | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 58 59.44 | +01 27 14.55   | /           | /           | /            | /            | 35.63   |
| 872 | G35.09-1.02       | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | psr       | SnapShot       | 18 58 59.44 | +01 27 14.55   | /           | /           | /            | /            | 1881.24 |
| 873 | G35.09-1.02       | ZD2020_2 | 2020-03-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 58 59.44 | +01 27 14.55   | /           | /           | /            | /            | 371.69  |
| 874 | M31_Halo_Drift_41 | ZD2020_4 | 2020-03-22 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +43 47 49.2829 | /           | /           | /            | /            | 2123.58 |
| 875 | 0029+349          | ZD2020_4 | 2020-03-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /            | /            | 177.24  |
| 876 | Dec+1311          | N2020_3  | 2020-03-22 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 11 00.0    | /           | /           | /            | /            | 814.14  |
| 877 | D15-3_OFF1        | N2020_3  | 2020-03-23 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 28 51.00 | -00 28 44.99   | /           | /           | /            | /            | 22.16   |
| 878 | D15-3             | N2020_3  | 2020-03-23 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 34 35.40 | -00 28 44.50   | /           | /           | /            | /            | 22.16   |
| 879 | D15-3_OFF2        | N2020_3  | 2020-03-23 | 19波束接收机 | all   | spec(W+N) | Tracking       | 15 23 05.40 | -00 28 45.20   | /           | /           | /            | /            | 22.16   |
| 880 | G39.34+0.42       | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | SnapShot       | 19 01 39.36 | +05 53 50.31   | /           | /           | /            | /            | 1881.24 |
| 881 | G39.34+0.42       | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 01 39.36 | +05 53 50.31   | /           | /           | /            | /            | 371.69  |
| 882 | G35.48-0.85_cal   | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | Tracking       | 18 59 06.15 | +01 52 46.28   | /           | /           | /            | /            | 180.52  |
| 883 | G35.48-0.85_cal   | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 59 06.15 | +01 52 46.28   | /           | /           | /            | /            | 35.63   |
| 884 | G35.48-0.85       | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | SnapShot       | 18 59 06.15 | +01 52 46.28   | /           | /           | /            | /            | 1881.24 |
| 885 | G35.48-0.85       | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 59 06.15 | +01 52 46.28   | /           | /           | /            | /            | 371.69  |
| 886 | M31_Halo_Drift_42 | ZD2020_4 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +44 09 29.5376 | /           | /           | /            | /            | 2123.58 |
| 887 | 0029+349          | ZD2020_4 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /            | /            | 177.24  |
| 888 | G183.46+0.00_cal  | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | Tracking       | 05 53 38.11 | +25 58 08.68   | /           | /           | /            | /            | 180.52  |
| 889 | G183.46+0.00_cal  | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 05 53 38.11 | +25 58 08.68   | /           | /           | /            | /            | 35.63   |
| 890 | G183.46+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | SnapShot       | 05 53 38.11 | +25 58 08.68   | /           | /           | /            | /            | 1881.24 |
| 891 | G183.46+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 05 53 38.11 | +25 58 08.68   | /           | /           | /            | /            | 371.69  |
| 892 | G190.89+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | SnapShot       | 06 09 36.39 | +19 30 28.66   | /           | /           | /            | /            | 1881.24 |
| 893 | G190.89+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 06 09 36.39 | +19 30 28.66   | /           | /           | /            | /            | 371.69  |
| 894 | G198.33+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | psr       | SnapShot       | 06 24 20.35 | +12 57 57.81   | /           | /           | /            | /            | 879.61  |
| 895 | G198.33+0.00      | ZD2020_2 | 2020-03-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 06 24 20.35 | +12 57 57.81   | /           | /           | /            | /            | 170.07  |
| 896 | Dec+1332          | N2020_3  | 2020-03-23 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 32 00.0    | /           | /           | /            | /            | 1119.65 |
| 897 | M33               | ZD2020_4 | 2020-03-24 | 19波束接收机 | all   | spec(F)   | MultiBeamOTF   | 01 33 50.90 | +30 39 35.79   | 01 29 50.90 | 01 37 50.90 | +29 09 35.79 | +32 09 35.79 | 3236.88 |
| 898 | Dec+1332          | N2020_3  | 2020-03-24 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 32 00.0    | /           | /           | /            | /            | 725.62  |
| 899 | G41.64+1.02_cal   | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 03 46.45 | +08 12 45.28   | /           | /           | /            | /            | 360.33  |
| 900 | G41.64+1.02       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 03 46.45 | +08 12 45.28   | /           | /           | /            | /            | 3755.19 |
| 901 | G38.95+0.25       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 01 32.50 | +05 28 18.54   | /           | /           | /            | /            | 1882.74 |
| 902 | G34.74-0.76       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 57 27.62 | +01 15 55.70   | /           | /           | /            | /            | 1881.24 |
| 903 | G34.74-0.76       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 57 27.62 | +01 15 55.70   | /           | /           | /            | /            | 371.69  |
| 904 | G50.40-0.42       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 25 38.69 | +15 17 32.80   | /           | /           | /            | /            | 1882.74 |
| 905 | G50.40-0.42       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 25 38.69 | +15 17 32.80   | /           | /           | /            | /            | 371.99  |
| 906 | G63.80-0.25_cal   | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 53 24.30 | +27 02 23.57   | /           | /           | /            | /            | 360.33  |
| 907 | G63.80-0.25_cal   | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 53 24.30 | +27 02 23.57   | /           | /           | /            | /            | 35.63   |
| 908 | G63.80-0.25       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 53 24.30 | +27 02 23.57   | /           | /           | /            | /            | 3758.18 |
| 909 | G63.80-0.25       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 53 24.30 | +27 02 23.57   | /           | /           | /            | /            | 371.99  |
| 910 | G76.96+1.02       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 22 20.04 | +38 47 44.19   | /           | /           | /            | /            | 3758.18 |
| 911 | G76.96+1.02       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 22 20.04 | +38 47 44.19   | /           | /           | /            | /            | 371.99  |
| 912 | G84.93-0.76       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 55 46.89 | +44 02 36.29   | /           | /           | /            | /            | 1881.24 |
| 913 | G84.93-0.76       | ZD2020_2 | 2020-03-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 55 46.89 | +44 02 36.29   | /           | /           | /            | /            | 371.69  |
| 914 | J2301+4809_OFF    | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 01 42.00 | +48 00 25.0    | /           | /           | /            | /            | 9.48    |
| 915 | J2301+4809        | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 01 42.00 | +48 09 25.0    | /           | /           | /            | /            | 18.89   |
| 916 | J2307-0558_OFF    | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 07 24.00 | -05 48 30.0    | /           | /           | /            | /            | 9.48    |
| 917 | J2307-0558        | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 07 24.00 | -05 58 30.0    | /           | /           | /            | /            | 18.89   |

|     |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|-----|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 918 | J2355+0049_OFF    | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 55 30.00 | +00 59 43.0    | / | / | / | / | 9.48    |
| 919 | J2355+0049        | ZD2020_6 | 2020-03-25 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 55 30.00 | +00 49 43.0    | / | / | / | / | 18.89   |
| 920 | Dec+1353          | N2020_3  | 2020-03-25 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 53 00.0    | / | / | / | / | 1131.96 |
| 921 | J1912-0953_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 12 07.00 | -08 03 44.0    | / | / | / | / | 9.48    |
| 922 | J1912-0953        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 12 07.00 | -09 53 44.0    | / | / | / | / | 18.89   |
| 923 | J2006-1312_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 06 24.00 | -13 02 27.0    | / | / | / | / | 9.48    |
| 924 | J2006-1312        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 06 24.00 | -13 12 27.0    | / | / | / | / | 18.89   |
| 925 | J1938-0940_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 38 52.00 | -09 30 30.0    | / | / | / | / | 9.48    |
| 926 | J1938-0940        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 38 52.00 | -09 40 30.0    | / | / | / | / | 150.55  |
| 927 | J2025+2133_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 25 40.00 | +21 43 39.0    | / | / | / | / | 9.48    |
| 928 | J2025+2133        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 25 40.00 | +21 33 39.0    | / | / | / | / | 18.89   |
| 929 | J2053+4721_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 53 03.00 | +47 11 26.0    | / | / | / | / | 9.48    |
| 930 | J2053+4721        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 53 03.00 | +47 21 26.0    | / | / | / | / | 18.89   |
| 931 | J2234+0944_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 34 46.85 | +09 54 30.3    | / | / | / | / | 9.48    |
| 932 | J2234+0944        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 34 46.85 | +09 44 30.3    | / | / | / | / | 18.89   |
| 933 | J2006+4101_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 06 36.00 | +40 51 18.0    | / | / | / | / | 9.48    |
| 934 | J2006+4101        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 06 36.00 | +41 01 18.0    | / | / | / | / | 18.89   |
| 935 | J1959+2048_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 59 36.70 | +20 58 15.1    | / | / | / | / | 9.48    |
| 936 | J1959+2048        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 59 36.70 | +20 48 15.1    | / | / | / | / | 18.89   |
| 937 | M31 Halo Drift 43 | ZD2020_4 | 2020-03-26 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +44 31 09.7923 | / | / | / | / | 2123.58 |
| 938 | 0029+349          | ZD2020_4 | 2020-03-26 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 939 | J0203-0150_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 03 32.00 | -01 40 13.0    | / | / | / | / | 9.48    |
| 940 | J0203-0150        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 03 32.00 | -01 50 13.0    | / | / | / | / | 18.89   |
| 941 | J0209+2621_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 09 00.00 | +26 11 22.0    | / | / | / | / | 9.48    |
| 942 | J0209+2621        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 09 00.00 | +26 21 22.0    | / | / | / | / | 18.89   |
| 943 | J0209+4332_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 09 50.00 | +43 22 25.0    | / | / | / | / | 9.48    |
| 944 | J0209+4332        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 09 50.00 | +43 32 25.0    | / | / | / | / | 18.89   |
| 945 | J0210+4238_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 10 51.00 | +42 28 40.0    | / | / | / | / | 9.48    |
| 946 | J0210+4238        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 02 10 51.00 | +42 38 40.0    | / | / | / | / | 18.89   |
| 947 | J0402+4827_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 04 02 31.00 | +48 17 16.0    | / | / | / | / | 9.48    |
| 948 | J0402+4827        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 04 02 31.00 | +48 27 16.0    | / | / | / | / | 18.89   |
| 949 | J0427+4723_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 04 27 23.00 | +47 13 09.0    | / | / | / | / | 9.48    |
| 950 | J0427+4723        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 04 27 23.00 | +47 23 09.0    | / | / | / | / | 18.89   |
| 951 | J0344-0901_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 03 44 37.00 | -08 51 02.0    | / | / | / | / | 9.48    |
| 952 | J0344-0901        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 03 44 37.00 | -09 01 02.0    | / | / | / | / | 18.89   |
| 953 | J0540+4537_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 40 02.00 | +45 27 02.0    | / | / | / | / | 9.48    |
| 954 | J0540+4537        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 40 02.00 | +45 37 02.0    | / | / | / | / | 18.89   |
| 955 | J0539+0013_OFF    | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 39 45.00 | +00 23 36.0    | / | / | / | / | 9.48    |
| 956 | J0539+0013        | ZD2020_6 | 2020-03-26 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 39 45.00 | +00 13 36.0    | / | / | / | / | 18.89   |
| 957 | Dec+1353          | N2020_3  | 2020-03-26 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +13 53 00.0    | / | / | / | / | 1006.32 |
| 958 | G40.91+1.10_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | Tracking       | 19 02 06.81 | +07 35 57.00   | / | / | / | / | 360.33  |
| 959 | G40.91+1.10_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 02 06.81 | +07 35 57.00   | / | / | / | / | 35.63   |
| 960 | G40.91+1.10       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 19 02 06.81 | +07 35 57.00   | / | / | / | / | 3758.18 |
| 961 | G40.91+1.10       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 02 06.81 | +07 35 57.00   | / | / | / | / | 371.99  |
| 962 | G33.47+1.10       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 18 48 30.20 | +00 59 01.38   | / | / | / | / | 3758.18 |
| 963 | G33.47+1.10       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 48 30.20 | +00 59 01.38   | / | / | / | / | 371.99  |
| 964 | G34.21+1.02       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 18 50 08.57 | +01 35 53.17   | / | / | / | / | 3758.18 |
| 965 | G34.21+1.02       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 50 08.57 | +01 35 53.17   | / | / | / | / | 371.99  |
| 966 | G39.25-0.42_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | Tracking       | 19 04 30.17 | +05 25 19.65   | / | / | / | / | 180.52  |
| 967 | G39.25-0.42_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 04 30.17 | +05 25 19.65   | / | / | / | / | 35.63   |
| 968 | G39.25-0.42       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 19 04 30.17 | +05 25 19.65   | / | / | / | / | 1882.74 |

|      |                   |          |            |         |       |           |                |             |               |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|---------------|---|---|---|---|---------|
| 969  | G39.25-0.42       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 04 30.17 | +05 25 19.65  | / | / | / | / | 371.99  |
| 970  | G43.70-0.51       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 19 13 05.03 | +09 19 59.55  | / | / | / | / | 1882.74 |
| 971  | G43.70-0.51       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 13 05.03 | +09 19 59.55  | / | / | / | / | 371.99  |
| 972  | G48.54-0.42       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 19 22 00.82 | +13 39 16.61  | / | / | / | / | 1881.24 |
| 973  | G48.54-0.42       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 22 00.82 | +13 39 16.61  | / | / | / | / | 371.69  |
| 974  | G62.33-0.08_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | Tracking       | 19 49 24.30 | +25 51 53.42  | / | / | / | / | 180.52  |
| 975  | G62.33-0.08_cal   | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 49 24.30 | +25 51 53.42  | / | / | / | / | 35.63   |
| 976  | G62.33-0.08       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 19 49 24.30 | +25 51 53.42  | / | / | / | / | 1882.74 |
| 977  | G62.33-0.08       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 49 24.30 | +25 51 53.42  | / | / | / | / | 371.99  |
| 978  | G71.63-0.08       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | psr(2K)   | SnapShot       | 20 12 02.39 | +33 45 41.16  | / | / | / | / | 1881.24 |
| 979  | G71.63-0.08       | ZD2020_2 | 2020-03-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 12 02.39 | +33 45 41.16  | / | / | / | / | 371.69  |
| 980  | J0540+4537_OFF    | ZD2020_6 | 2020-03-27 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 40 02.00 | +45 27 02.0   | / | / | / | / | 9.48    |
| 981  | J0540+4537        | ZD2020_6 | 2020-03-27 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 05 40 02.00 | +45 37 02.0   | / | / | / | / | 18.89   |
| 982  | FRB181123         | ZD2020_5 | 2020-03-27 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 05 06 06.76 | +18 09 35.7   | / | / | / | / | 5540.5  |
| 983  | J0636+5128_OFF    | ZD2020_6 | 2020-03-27 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 06 36 04.80 | +51 18 59.9   | / | / | / | / | 9.48    |
| 984  | J0636+5128        | ZD2020_6 | 2020-03-27 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 06 36 04.80 | +51 28 59.9   | / | / | / | / | 305.72  |
| 985  | Dec+1414          | N2020_3  | 2020-03-27 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 14 00.0   | / | / | / | / | 637.17  |
| 986  | G14-1_OFF1        | N2020_3  | 2020-03-28 | 19波束接收机 | all   | spec(W+N) | Tracking       | 14 42 58.33 | +00 44 33.67  | / | / | / | / | 22.16   |
| 987  | G14-1             | N2020_3  | 2020-03-28 | 19波束接收机 | all   | spec(W+N) | Tracking       | 14 54 28.33 | +00 44 34.37  | / | / | / | / | 22.16   |
| 988  | G14-1_OFF2        | N2020_3  | 2020-03-28 | 19波束接收机 | all   | spec(W+N) | Tracking       | 14 48 43.93 | +00 44 33.88  | / | / | / | / | 22.16   |
| 989  | G39.78+1.02_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 00 20.63 | +06 33 36.11  | / | / | / | / | 360.33  |
| 990  | G39.78+1.02_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 00 20.63 | +06 33 36.11  | / | / | / | / | 35.63   |
| 991  | G39.78+1.02       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 00 20.63 | +06 33 36.11  | / | / | / | / | 3755.19 |
| 992  | G39.78+1.02       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 00 20.63 | +06 33 36.11  | / | / | / | / | 371.69  |
| 993  | G33.08+0.93       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 48 23.59 | +00 33 29.59  | / | / | / | / | 1881.24 |
| 994  | G33.08+0.93       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 48 23.59 | +00 33 29.59  | / | / | / | / | 371.69  |
| 995  | G34.01-0.68       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 55 49.17 | +00 39 04.58  | / | / | / | / | 1882.74 |
| 996  | G34.01-0.68       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 55 49.17 | +00 39 04.58  | / | / | / | / | 371.99  |
| 997  | G41.79-0.93_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 11 01.95 | +07 26 46.13  | / | / | / | / | 360.33  |
| 998  | G41.79-0.93_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 11 01.95 | +07 26 46.13  | / | / | / | / | 35.63   |
| 999  | G41.79-0.93       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 11 01.95 | +07 26 46.13  | / | / | / | / | 3755.19 |
| 1000 | G41.79-0.93       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 11 01.95 | +07 26 46.13  | / | / | / | / | 371.69  |
| 1001 | G46.68-0.42       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 18 26.05 | +12 00 47.95  | / | / | / | / | 1882.74 |
| 1002 | G46.68-0.42       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 18 26.05 | +12 00 47.95  | / | / | / | / | 371.99  |
| 1003 | G51.52-0.34       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 27 33.63 | +16 19 20.29  | / | / | / | / | 1881.24 |
| 1004 | G51.52-0.34       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 27 33.63 | +16 19 20.29  | / | / | / | / | 371.69  |
| 1005 | G59.25-1.02_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 46 06.60 | +22 44 02.92  | / | / | / | / | 360.33  |
| 1006 | G59.25-1.02_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 46 06.60 | +22 44 02.92  | / | / | / | / | 35.63   |
| 1007 | G59.25-1.02       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 46 06.60 | +22 44 02.92  | / | / | / | / | 3758.18 |
| 1008 | G59.25-1.02       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 46 06.60 | +22 44 02.92  | / | / | / | / | 371.99  |
| 1009 | G75.93-1.44       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 29 27.36 | +36 32 09.02  | / | / | / | / | 3755.19 |
| 1010 | G75.93-1.44       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 29 27.36 | +36 32 09.02  | / | / | / | / | 371.69  |
| 1011 | G86.06-0.68_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 20 59 31.97 | +44 57 06.84  | / | / | / | / | 180.52  |
| 1012 | G86.06-0.68_cal   | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 20 59 31.97 | +44 57 06.84  | / | / | / | / | 35.63   |
| 1013 | G86.06-0.68       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 59 31.97 | +44 57 06.84  | / | / | / | / | 1881.24 |
| 1014 | G86.06-0.68       | ZD2020_2 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 59 31.97 | +44 57 06.84  | / | / | / | / | 371.69  |
| 1015 | M31_Halo_Drift_44 | ZD2020_4 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +44 52 50.047 | / | / | / | / | 2123.58 |
| 1016 | 0029+349          | ZD2020_4 | 2020-03-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2   | / | / | / | / | 177.24  |
| 1017 | Dec+1414          | N2020_3  | 2020-03-28 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 14 00.0   | / | / | / | / | 1442.1  |
| 1018 | G42.03+1.19_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all   | psr(2k)   | Tracking       | 03 53.4     | +08 38 16.78  | / | / | / | / | 180.52  |
| 1019 | G42.03+1.19_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all   | spec(F)   | Tracking       | 03 53.4     | +08 38 16.78  | / | / | / | / | 35.63   |

|      |                   |          |            |         |     |           |                |             |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 1020 | G42.03+1.19       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 03 53.4     | +08 38 16.78   | / | / | / | / | 1881.24 |
| 1021 | G42.03+1.19       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 03 53.4     | +08 38 16.78   | / | / | / | / | 371.69  |
| 1022 | G32.74+1.19       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 0 46 52     | +00 22 09.85   | / | / | / | / | 1882.74 |
| 1023 | G32.74+1.19       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 0 46 52     | +00 22 09.85   | / | / | / | / | 371.99  |
| 1024 | G34.94+0.93       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 0 51 47     | +02 12 45.05   | / | / | / | / | 1882.74 |
| 1025 | G34.94+0.93       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 0 51 47     | +02 12 45.05   | / | / | / | / | 371.99  |
| 1026 | G38.61+0.51_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | Tracking       | 00 00.2     | +05 17 00.89   | / | / | / | / | 180.52  |
| 1027 | G38.61+0.51_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | Tracking       | 00 00.2     | +05 17 00.89   | / | / | / | / | 35.63   |
| 1028 | G38.61+0.51       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 00 00.2     | +05 17 00.89   | / | / | / | / | 1881.24 |
| 1029 | G38.61+0.51       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 00 00.2     | +05 17 00.89   | / | / | / | / | 371.69  |
| 1030 | G42.23-0.34       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 09 44.2     | +08 06 37.75   | / | / | / | / | 1882.74 |
| 1031 | G42.23-0.34       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 09 44.2     | +08 06 37.75   | / | / | / | / | 371.99  |
| 1032 | G47.81-0.34       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 0 20 17     | +13 02 48.87   | / | / | / | / | 1882.74 |
| 1033 | G47.81-0.34       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 0 20 17     | +13 02 48.87   | / | / | / | / | 371.99  |
| 1034 | G59.01+0.08_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | Tracking       | 0 41 26     | +23 04 16.13   | / | / | / | / | 180.52  |
| 1035 | G59.01+0.08_cal   | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | Tracking       | 0 41 26     | +23 04 16.13   | / | / | / | / | 35.63   |
| 1036 | G59.01+0.08       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 0 41 26     | +23 04 16.13   | / | / | / | / | 1881.24 |
| 1037 | G59.01+0.08       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 0 41 26     | +23 04 16.13   | / | / | / | / | 371.69  |
| 1038 | G72.02+0.08       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | psr(2k)   | SnapShot       | 0 12 24     | +34 10 53.31   | / | / | / | / | 1882.74 |
| 1039 | G72.02+0.08       | ZD2020_2 | 2020-03-29 | 19波束接收机 | all | spec(F)   | SnapShot       | 0 12 24     | +34 10 53.31   | / | / | / | / | 371.99  |
| 1040 | Dec+1435          | N2020_3  | 2020-03-29 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 35 00.0    | / | / | / | / | 1128.29 |
| 1041 | D15-3_OFF1        | N2020_3  | 2020-03-30 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 28 51.00 | -00 28 44.99   | / | / | / | / | 22.16   |
| 1042 | D15-3             | N2020_3  | 2020-03-30 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 34 35.40 | -00 28 44.50   | / | / | / | / | 22.16   |
| 1043 | D15-3_OFF2        | N2020_3  | 2020-03-30 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 23 05.40 | -00 28 45.20   | / | / | / | / | 22.16   |
| 1044 | G46.44+0.68_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 13 58.81 | +12 18 36.57   | / | / | / | / | 180.52  |
| 1045 | G46.44+0.68_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | Tracking       | 19 13 58.81 | +12 18 36.57   | / | / | / | / | 35.63   |
| 1046 | G46.44+0.68       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 13 58.81 | +12 18 36.57   | / | / | / | / | 1881.24 |
| 1047 | G46.44+0.68       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 13 58.81 | +12 18 36.57   | / | / | / | / | 371.69  |
| 1048 | G32.79+1.61       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 45 26.69 | +00 36 21.86   | / | / | / | / | 1881.24 |
| 1049 | G32.79+1.61       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 45 26.69 | +00 36 21.86   | / | / | / | / | 371.69  |
| 1050 | G32.35+1.02       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 46 45.20 | -00 03 21.89   | / | / | / | / | 1882.74 |
| 1051 | G32.35+1.02       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 46 45.20 | -00 03 21.89   | / | / | / | / | 371.99  |
| 1052 | G38.51-0.34_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 02 50.98 | +04 48 31.92   | / | / | / | / | 180.52  |
| 1053 | G38.51-0.34_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | Tracking       | 19 02 50.98 | +04 48 31.92   | / | / | / | / | 35.63   |
| 1054 | G38.51-0.34       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 02 50.98 | +04 48 31.92   | / | / | / | / | 1882.74 |
| 1055 | G38.51-0.34       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 02 50.98 | +04 48 31.92   | / | / | / | / | 371.99  |
| 1056 | G43.75-0.08       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 11 39.19 | +09 34 21.93   | / | / | / | / | 1881.24 |
| 1057 | G43.75-0.08       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 11 39.19 | +09 34 21.93   | / | / | / | / | 371.69  |
| 1058 | G48.98+0.17       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 20 42.61 | +14 19 19.63   | / | / | / | / | 3755.19 |
| 1059 | G48.98+0.17       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 20 42.61 | +14 19 19.63   | / | / | / | / | 371.69  |
| 1060 | G56.76-0.08_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 37 17.57 | +21 01 43.65   | / | / | / | / | 360.33  |
| 1061 | G56.76-0.08_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | Tracking       | 19 37 17.57 | +21 01 43.65   | / | / | / | / | 35.63   |
| 1062 | G56.76-0.08       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 37 17.57 | +21 01 43.65   | / | / | / | / | 1881.24 |
| 1063 | G56.76-0.08       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 37 17.57 | +21 01 43.65   | / | / | / | / | 371.69  |
| 1064 | G65.32+0.00       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 55 57.67 | +28 28 10.85   | / | / | / | / | 1882.74 |
| 1065 | G65.32+0.00       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 55 57.67 | +28 28 10.85   | / | / | / | / | 371.99  |
| 1066 | G82.05+0.00_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 42 32.32 | +42 17 16.50   | / | / | / | / | 180.52  |
| 1067 | G82.05+0.00_cal   | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | Tracking       | 20 42 32.32 | +42 17 16.50   | / | / | / | / | 35.63   |
| 1068 | G82.05+0.00       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 42 32.32 | +42 17 16.50   | / | / | / | / | 1881.24 |
| 1069 | G82.05+0.00       | ZD2020_2 | 2020-03-30 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 42 32.32 | +42 17 16.50   | / | / | / | / | 371.69  |
| 1070 | M31_Halo_Drift_45 | ZD2020_4 | 2020-03-30 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +45 14 30.3017 | / | / | / | / | 2123.58 |

|      |                   |          |            |         |     |           |                |             |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 1071 | 0029+349          | ZD2020_4 | 2020-03-30 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1072 | Dec+1435          | N2020_3  | 2020-03-30 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 35 00.0    | / | / | / | / | 995.56  |
| 1073 | D15-3_OFF1        | N2020_3  | 2020-03-31 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 28 51.00 | -00 28 44.99   | / | / | / | / | 22.16   |
| 1074 | D15-3             | N2020_3  | 2020-03-31 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 34 35.40 | -00 28 44.50   | / | / | / | / | 22.16   |
| 1075 | D15-3_OFF2        | N2020_3  | 2020-03-31 | 19波束接收机 | all | spec(W+N) | Tracking       | 15 23 05.40 | -00 28 45.20   | / | / | / | / | 22.16   |
| 1076 | G43.45+0.59_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 08 39.86 | +09 37 31.35   | / | / | / | / | 180.52  |
| 1077 | G43.45+0.59_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | Tracking       | 19 08 39.86 | +09 37 31.35   | / | / | / | / | 35.63   |
| 1078 | G43.45+0.59       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 08 39.86 | +09 37 31.35   | / | / | / | / | 1882.74 |
| 1079 | G43.45+0.59       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 08 39.86 | +09 37 31.35   | / | / | / | / | 371.99  |
| 1080 | G34.26+1.44       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 48 43.37 | +01 50 04.79   | / | / | / | / | 1881.24 |
| 1081 | G34.26+1.44       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 48 43.37 | +01 50 04.79   | / | / | / | / | 371.69  |
| 1082 | G33.62-0.85       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 55 42.52 | +00 13 32.73   | / | / | / | / | 1881.24 |
| 1083 | G33.62-0.85       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 55 42.52 | +00 13 32.73   | / | / | / | / | 371.69  |
| 1084 | G39.00+0.68_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 00 07.05 | +05 42 32.67   | / | / | / | / | 180.52  |
| 1085 | G39.00+0.68_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | Tracking       | 19 00 07.05 | +05 42 32.67   | / | / | / | / | 35.63   |
| 1086 | G39.00+0.68       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 00 07.05 | +05 42 32.67   | / | / | / | / | 1881.24 |
| 1087 | G39.00+0.68       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 00 07.05 | +05 42 32.67   | / | / | / | / | 371.69  |
| 1088 | G43.79+0.34       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 10 13.23 | +09 48 42.99   | / | / | / | / | 1881.24 |
| 1089 | G43.79+0.34       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 10 13.23 | +09 48 42.99   | / | / | / | / | 371.69  |
| 1090 | G47.12+0.17       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 17 07.76 | +12 40 46.83   | / | / | / | / | 1881.24 |
| 1091 | G47.12+0.17       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 17 07.76 | +12 40 46.83   | / | / | / | / | 371.69  |
| 1092 | G57.15+0.08_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 37 28.81 | +21 27 10.78   | / | / | / | / | 180.52  |
| 1093 | G57.15+0.08_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | Tracking       | 19 37 28.81 | +21 27 10.78   | / | / | / | / | 33.75   |
| 1094 | G57.15+0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 37 28.81 | +21 27 10.78   | / | / | / | / | 1881.24 |
| 1095 | G57.15+0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 37 28.81 | +21 27 10.78   | / | / | / | / | 371.69  |
| 1096 | G69.77-0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 07 12.73 | +32 12 08.76   | / | / | / | / | 1881.24 |
| 1097 | G69.77-0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 07 12.73 | +32 12 08.76   | / | / | / | / | 371.69  |
| 1098 | G85.03+0.08_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 52 30.34 | +44 39 48.61   | / | / | / | / | 180.52  |
| 1099 | G85.03+0.08_cal   | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | Tracking       | 20 52 30.34 | +44 39 48.61   | / | / | / | / | 35.63   |
| 1100 | G85.03+0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 52 30.34 | +44 39 48.61   | / | / | / | / | 1881.24 |
| 1101 | G85.03+0.08       | ZD2020_2 | 2020-03-31 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 52 30.34 | +44 39 48.61   | / | / | / | / | 371.69  |
| 1102 | M31_Halo_Drift_46 | ZD2020_4 | 2020-03-31 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +45 36 10.5564 | / | / | / | / | 2123.58 |
| 1103 | 0029+349          | ZD2020_4 | 2020-03-31 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1104 | Dec+1456          | N2020_3  | 2020-03-31 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 56 00.0    | / | / | / | / | 1327.19 |
| 1105 | C13-1_OFF1        | N2020_3  | 2020-04-01 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 20 55.02 | +01 30 00.99   | / | / | / | / | 22.16   |
| 1106 | C13-1             | N2020_3  | 2020-04-01 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 26 39.42 | +01 30 01.48   | / | / | / | / | 22.16   |
| 1107 | C13-1_OFF2        | N2020_3  | 2020-04-01 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 15 09.42 | +01 30 00.78   | / | / | / | / | 22.16   |
| 1108 | J1849-0013_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 49 26.69 | -00 13 36.84   | / | / | / | / | 360.33  |
| 1109 | J1849-0013_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 18 49 26.69 | -00 13 36.84   | / | / | / | / | 35.63   |
| 1110 | J1849-0013        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 49 26.69 | -00 13 36.84   | / | / | / | / | 2683.17 |
| 1111 | J1849-0013        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 18 49 26.69 | -00 13 36.84   | / | / | / | / | 265.71  |
| 1112 | J1854+0013        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 54 17.26 | +00 13 15.96   | / | / | / | / | 2683.17 |
| 1113 | J1854+0013        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 18 54 17.26 | +00 13 15.96   | / | / | / | / | 265.71  |
| 1114 | J1859+0314_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 59 36.55 | +03 14 09.60   | / | / | / | / | 360.33  |
| 1115 | J1859+0314_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 18 59 36.55 | +03 14 09.60   | / | / | / | / | 35.63   |
| 1116 | J1859+0314        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 59 36.55 | +03 14 09.60   | / | / | / | / | 2683.17 |
| 1117 | J1859+0314        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 18 59 36.55 | +03 14 09.60   | / | / | / | / | 265.71  |
| 1118 | J1904+0554        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 04 15.72 | +05 54 25.56   | / | / | / | / | 2683.17 |
| 1119 | J1904+0554        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 04 15.72 | +05 54 25.56   | / | / | / | / | 265.71  |
| 1120 | J1929+1406_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 29 58.78 | +14 06 04.32   | / | / | / | / | 360.33  |
| 1121 | J1929+1406_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 29 58.78 | +14 06 04.32   | / | / | / | / | 35.63   |

|      |                   |          |            |         |     |           |                |             |               |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|---------------|---|---|---|---|---------|
| 1122 | J1929+1406        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 29 58.78 | +14 06 04.32  | / | / | / | / | 2683.17 |
| 1123 | J1929+1406        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 29 58.78 | +14 06 04.32  | / | / | / | / | 265.71  |
| 1124 | J1930+1357        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 30 11.95 | +13 57 34.20  | / | / | / | / | 2683.17 |
| 1125 | J1930+1357        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 30 11.95 | +13 57 34.20  | / | / | / | / | 265.71  |
| 1126 | J1927+1856_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 27 01.32 | +18 56 52.44  | / | / | / | / | 360.33  |
| 1127 | J1927+1856_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 27 01.32 | +18 56 52.44  | / | / | / | / | 33.75   |
| 1128 | J1927+1856        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 27 01.32 | +18 56 52.44  | / | / | / | / | 2683.17 |
| 1129 | J1927+1856        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 27 01.32 | +18 56 52.44  | / | / | / | / | 265.71  |
| 1130 | J1943+2317        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 43 39.90 | +23 17 06.00  | / | / | / | / | 2683.17 |
| 1131 | J1943+2317        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 19 43 39.90 | +23 17 06.00  | / | / | / | / | 265.71  |
| 1132 | J2017+2819_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 17 20.23 | +28 19 01.56  | / | / | / | / | 360.33  |
| 1133 | J2017+2819_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 20 17 20.23 | +28 19 01.56  | / | / | / | / | 35.63   |
| 1134 | J2017+2819        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 17 20.23 | +28 19 01.56  | / | / | / | / | 2683.17 |
| 1135 | J2017+2819        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 20 17 20.23 | +28 19 01.56  | / | / | / | / | 265.71  |
| 1136 | M31 Halo Drift 47 | ZD2020_4 | 2020-04-01 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +45 57 50.811 | / | / | / | / | 2105.18 |
| 1137 | 0029+349          | ZD2020_4 | 2020-04-01 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2   | / | / | / | / | 177.24  |
| 1138 | J0633+1746_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 06 33 54.20 | +17 46 12.00  | / | / | / | / | 360.33  |
| 1139 | J0633+1746_cal    | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 06 33 54.20 | +17 46 12.00  | / | / | / | / | 35.63   |
| 1140 | J0633+1746        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 06 33 54.20 | +17 46 12.00  | / | / | / | / | 5363.35 |
| 1141 | J0633+1746        | ZD2020_2 | 2020-04-01 | 19波束接收机 | all | psr(2k)   | Tracking       | 06 33 54.20 | +17 46 12.00  | / | / | / | / | 531.12  |
| 1142 | Dec+1456          | N2020_3  | 2020-04-01 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +14 56 00.0   | / | / | / | / | 973.44  |
| 1143 | C13-1_OFF1        | N2020_3  | 2020-04-02 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 20 55.02 | +01 30 00.99  | / | / | / | / | 22.16   |
| 1144 | C13-1             | N2020_3  | 2020-04-02 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 26 39.42 | +01 30 01.48  | / | / | / | / | 22.16   |
| 1145 | C13-1_OFF2        | N2020_3  | 2020-04-02 | 19波束接收机 | all | spec(W+N) | Tracking       | 13 15 09.42 | +01 30 00.78  | / | / | / | / | 22.16   |
| 1146 | J1908+0811_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 08 43.60 | +08 11 03.00  | / | / | / | / | 360.33  |
| 1147 | J1908+0811_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 08 43.60 | +08 11 03.00  | / | / | / | / | 35.63   |
| 1148 | J1908+0811        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 08 43.60 | +08 11 03.00  | / | / | / | / | 2683.17 |
| 1149 | J1908+0811        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 08 43.60 | +08 11 03.00  | / | / | / | / | 265.71  |
| 1150 | J1850-0021_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 50 08.60 | -00 21 11.00  | / | / | / | / | 360.33  |
| 1151 | J1850-0021_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 18 50 08.60 | -00 21 11.00  | / | / | / | / | 35.63   |
| 1152 | J1850-0021        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 50 08.60 | -00 21 11.00  | / | / | / | / | 2683.17 |
| 1153 | J1850-0021        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 18 50 08.60 | -00 21 11.00  | / | / | / | / | 265.71  |
| 1154 | J1854+0050        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 54 44.71 | +00 50 37.68  | / | / | / | / | 2683.17 |
| 1155 | J1854+0050        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 18 54 44.71 | +00 50 37.68  | / | / | / | / | 265.71  |
| 1156 | J1859+0430_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 59 10.40 | +04 30 36.00  | / | / | / | / | 360.33  |
| 1157 | J1859+0430_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 18 59 10.40 | +04 30 36.00  | / | / | / | / | 35.63   |
| 1158 | J1859+0430        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 59 10.40 | +04 30 36.00  | / | / | / | / | 2683.17 |
| 1159 | J1859+0430        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 18 59 10.40 | +04 30 36.00  | / | / | / | / | 265.71  |
| 1160 | J1900+0405        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 00 39.38 | +04 05 17.88  | / | / | / | / | 2683.17 |
| 1161 | J1900+0405        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 00 39.38 | +04 05 17.88  | / | / | / | / | 265.71  |
| 1162 | J1906+0647_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 06 18.98 | +06 47 11.40  | / | / | / | / | 360.33  |
| 1163 | J1906+0647_cal    | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 06 18.98 | +06 47 11.40  | / | / | / | / | 35.63   |
| 1164 | J1906+0647        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 06 18.98 | +06 47 11.40  | / | / | / | / | 2683.17 |
| 1165 | J1906+0647        | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 06 18.98 | +06 47 11.40  | / | / | / | / | 265.71  |
| 1166 | G53.38-0.34_cal   | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 31 17.27 | +17 57 14.25  | / | / | / | / | 360.33  |
| 1167 | G53.38-0.34_cal   | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | Tracking       | 19 31 17.27 | +17 57 14.25  | / | / | / | / | 35.63   |
| 1168 | G53.38-0.34       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 31 17.27 | +17 57 14.25  | / | / | / | / | 3755.19 |
| 1169 | G53.38-0.34       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 31 17.27 | +17 57 14.25  | / | / | / | / | 371.69  |
| 1170 | G63.41-0.42       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 53 09.30 | +26 37 01.58  | / | / | / | / | 3755.19 |
| 1171 | G63.41-0.42       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 53 09.30 | +26 37 01.58  | / | / | / | / | 371.69  |
| 1172 | G80.29+0.85       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 33 11.51 | +41 23 59.03  | / | / | / | / | 3755.19 |

|      |                   |          |            |         |       |           |                |             |                |             |             |             |             |         |
|------|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|-------------|-------------|-------------|-------------|---------|
| 1173 | G80.29+0.85       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 33 11.51 | +41 23 59.03   | /           | /           | /           | /           | 371.69  |
| 1174 | G93.69-2.20_cal   | ZD2020_2 | 2020-04-02 | 19波束接收机 | all   | psr(2k)   | Tracking       | 21 37 24.91 | +49 19 45.24   | /           | /           | /           | /           | 360.33  |
| 1175 | G93.69-2.20_cal   | ZD2020_2 | 2020-04-02 | 19波束接收机 | all   | spec(F)   | Tracking       | 21 37 24.91 | +49 19 45.24   | /           | /           | /           | /           | 35.63   |
| 1176 | G93.69-2.20       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 21 37 24.91 | +49 19 45.24   | /           | /           | /           | /           | 3755.19 |
| 1177 | G93.69-2.20       | ZD2020_2 | 2020-04-02 | 19波束接收机 | all   | spec(F)   | SnapShot       | 21 37 24.91 | +49 19 45.24   | /           | /           | /           | /           | 371.69  |
| 1178 | M31 Halo Drift_48 | ZD2020_4 | 2020-04-02 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +46 19 31.0657 | /           | /           | /           | /           | 2123.58 |
| 1179 | 0029+349          | ZD2020_4 | 2020-04-02 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 1180 | Dec+1517          | N2020_3  | 2020-04-02 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 17 00.0    | /           | /           | /           | /           | 1072.98 |
| 1181 | J1518+0204_OFF    | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 15 18 33.00 | +02 14 47.8    | /           | /           | /           | /           | 9.48    |
| 1182 | J1518+0204        | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 15 18 33.00 | +02 04 47.8    | /           | /           | /           | /           | 141.14  |
| 1183 | 19C34N2           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 16 02 13.11 | 16 02 19.22 | -10 55 25.0 | -10 52 49.0 | 3675.94 |
| 1184 | 19C13N1           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 17 21 26.00 | 17 21 19.97 | -05 33 40.0 | -05 36 16.0 | 3675.94 |
| 1185 | 19C13N2           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 17 21 32.03 | 17 21 38.06 | -05 36 16.0 | -05 33 40.0 | 3675.94 |
| 1186 | 19C59-J1826-0049  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 18 26 18.00 | -00 49 49.0    | /           | /           | /           | /           | 47.1    |
| 1187 | 19C60-J1846-0049  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 18 46 16.00 | -00 49 53.0    | /           | /           | /           | /           | 47.1    |
| 1188 | 19C51-J1824-0622  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 18 24 12.00 | -06 22 02.0    | /           | /           | /           | /           | 47.1    |
| 1189 | 19C17-J2016+0700  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 01 52.00 | +07 01 44.0    | /           | /           | /           | /           | 47.1    |
| 1190 | 19C52N1           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 19 28 21.00 | 19 28 27.03 | -05 48 40.0 | -05 51 16.0 | 1882.65 |
| 1191 | 19C52N2           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 19 28 14.97 | 19 28 33.06 | -05 51 16.0 | -05 48 40.0 | 1885.65 |
| 1192 | 19C63-J2027+0255  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 27 32.00 | +02 55 17.0    | /           | /           | /           | /           | 47.1    |
| 1193 | 19C4-J1929+0129   | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 29 41.41 | +01 33 02.2    | /           | /           | /           | /           | 47.1    |
| 1194 | 19C22-J2204+09    | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 04 33.00 | +09 45 07.0    | /           | /           | /           | /           | 47.1    |
| 1195 | 19C64-J2016+0756  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 20 16 03.00 | +07 56 42.0    | /           | /           | /           | /           | 47.1    |
| 1196 | 19C68-J2319+2048  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 23 19 34.00 | +20 48 01.0    | /           | /           | /           | /           | 47.1    |
| 1197 | C3_OFF-J2215_OFF  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 15 30.00 | +45 21 16.0    | /           | /           | /           | /           | 9.48    |
| 1198 | C3-J2215+4531     | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 15 30.00 | +45 31 16.0    | /           | /           | /           | /           | 94.12   |
| 1199 | 19C56N1           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 22 30 01.00 | 22 30 07.01 | -03 36 00.0 | -03 38 36.0 | 1882.65 |
| 1200 | 19C56N2           | ZD2020_6 | 2020-04-03 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 22 29 54.99 | 22 30 13.02 | -03 38 36.0 | -03 36 00.0 | 1885.65 |
| 1201 | 19C31-J2238-1220  | ZD2020_6 | 2020-04-03 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 22 38 40.00 | -12 20 38.0    | /           | /           | /           | /           | 47.1    |
| 1202 | M31 Halo Drift_49 | ZD2020_4 | 2020-04-03 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +46 41 11.3204 | /           | /           | /           | /           | 2123.58 |
| 1203 | 0029+349          | ZD2020_4 | 2020-04-03 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /           | /           | 177.24  |
| 1204 | Dec+1517          | N2020_3  | 2020-04-03 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 17 00.0    | /           | /           | /           | /           | 1393.74 |
| 1205 | J1859+0430_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 59 10.40 | +04 30 36.00   | /           | /           | /           | /           | 360.33  |
| 1206 | J1859+0430_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 59 10.40 | +04 30 36.00   | /           | /           | /           | /           | 35.63   |
| 1207 | J1859+0430        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 59 10.40 | +04 30 36.00   | /           | /           | /           | /           | 2683.17 |
| 1208 | J1859+0430        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 59 10.40 | +04 30 36.00   | /           | /           | /           | /           | 265.71  |
| 1209 | J1852+0056        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 52 14.00 | +00 56 45.00   | /           | /           | /           | /           | 2683.17 |
| 1210 | J1852+0056        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 52 14.00 | +00 56 45.00   | /           | /           | /           | /           | 265.71  |
| 1211 | J1852+0056_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 52 14.00 | +00 56 45.00   | /           | /           | /           | /           | 539     |
| 1212 | J1852+0056_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 52 14.00 | +00 56 45.00   | /           | /           | /           | /           | 53.14   |
| 1213 | J1852+0001        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 52 48.83 | +00 01 45.37   | /           | /           | /           | /           | 2683.17 |
| 1214 | J1852+0001        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 52 48.83 | +00 01 45.37   | /           | /           | /           | /           | 265.71  |
| 1215 | J1855+0139        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 55 13.60 | +01 39 43.00   | /           | /           | /           | /           | 2683.17 |
| 1216 | J1855+0139        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 55 13.60 | +01 39 43.00   | /           | /           | /           | /           | 265.71  |
| 1217 | J1855+0139_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 55 13.60 | +01 39 43.00   | /           | /           | /           | /           | 501.64  |
| 1218 | J1855+0139_cal    | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 55 13.60 | +01 39 43.00   | /           | /           | /           | /           | 51.06   |
| 1219 | J1900+0320        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 00 58.40 | +03 20 40.00   | /           | /           | /           | /           | 2683.17 |
| 1220 | J1900+0320        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 00 58.40 | +03 20 40.00   | /           | /           | /           | /           | 265.71  |
| 1221 | J1859+0433        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 59 39.30 | +04 33 30.00   | /           | /           | /           | /           | 2683.17 |
| 1222 | J1859+0433        | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 59 39.30 | +04 33 30.00   | /           | /           | /           | /           | 265.71  |
| 1223 | G52.01+0.68_cal   | ZD2020_2 | 2020-04-04 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 24 47.69 | +17 14 09.47   | /           | /           | /           | /           | 360.33  |



|      |                   |          |            |         |     |           |                |             |                |   |   |   |   |          |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|----------------|---|---|---|---|----------|
| 1224 | G52.01+0.68_cal   | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | Tracking       | 19 24 47.69 | +17 14 09.47   | / | / | / | / | 35.63    |
| 1225 | G52.01+0.68       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 24 47.69 | +17 14 09.47   | / | / | / | / | 3755.19  |
| 1226 | G52.01+0.68       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 24 47.69 | +17 14 09.47   | / | / | / | / | 371.69   |
| 1227 | G57.93+0.42       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 37 51.49 | +22 18 04.90   | / | / | / | / | 3758.18  |
| 1228 | G57.93+0.42       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 37 51.49 | +22 18 04.90   | / | / | / | / | 371.99   |
| 1229 | G66.69-1.02       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 03 11.59 | +29 06 04.17   | / | / | / | / | 3755.19  |
| 1230 | G66.69-1.02       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 03 11.59 | +29 06 04.17   | / | / | / | / | 371.69   |
| 1231 | G77.89-3.81_cal   | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 44 45.50 | +36 39 54.31   | / | / | / | / | 360.33   |
| 1232 | G77.89-3.81_cal   | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | Tracking       | 20 44 45.50 | +36 39 54.31   | / | / | / | / | 35.63    |
| 1233 | G77.89-3.81       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 44 45.50 | +36 39 54.31   | / | / | / | / | 3755.19  |
| 1234 | G77.89-3.81       | ZD2020_2 | 2020-04-04 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 44 45.50 | +36 39 54.31   | / | / | / | / | 371.69   |
| 1235 | M31_Halo_Drift_50 | ZD2020_4 | 2020-04-04 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +47 02 51.5751 | / | / | / | / | 2123.58  |
| 1236 | 0029+349          | ZD2020_4 | 2020-04-04 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 1237 | Dec+1538          | N2020_3  | 2020-04-04 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 38 00.0    | / | / | / | / | 1140.57  |
| 1238 | FRB190520         | ZD2020_5 | 2020-04-05 | 19波束接收机 | all | psr(4k)   | Tracking       | 16 02 01.00 | -11 30 51.9    | / | / | / | / | 16441.63 |
| 1239 | J1838+0037_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 38 36.16 | +00 37 20.89   | / | / | / | / | 360.33   |
| 1240 | J1838+0037_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 38 36.16 | +00 37 20.89   | / | / | / | / | 35.63    |
| 1241 | J1838+0037        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 38 36.16 | +00 37 20.89   | / | / | / | / | 2683.17  |
| 1242 | J1838+0037        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 38 36.16 | +00 37 20.89   | / | / | / | / | 265.71   |
| 1243 | J1843+0004        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 43 13.03 | +00 04 07.99   | / | / | / | / | 2683.17  |
| 1244 | J1843+0004        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 43 13.03 | +00 04 07.99   | / | / | / | / | 265.71   |
| 1245 | J1853+0022_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 360.33   |
| 1246 | J1853+0022_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 35.63    |
| 1247 | J1853+0022        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 2683.17  |
| 1248 | J1853+0022        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 265.71   |
| 1249 | J1854+0151        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 54 06.50 | +01 51 36.00   | / | / | / | / | 2683.17  |
| 1250 | J1854+0151        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 18 54 06.50 | +01 51 36.00   | / | / | / | / | 265.71   |
| 1251 | J1901+0331_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 01 32.61 | +03 31 43.12   | / | / | / | / | 360.33   |
| 1252 | J1901+0331_cal    | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 19 01 32.61 | +03 31 43.12   | / | / | / | / | 35.63    |
| 1253 | J1901+0331        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 01 32.61 | +03 31 43.12   | / | / | / | / | 2683.17  |
| 1254 | J1901+0331        | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 19 01 32.61 | +03 31 43.12   | / | / | / | / | 265.71   |
| 1255 | G48.29+0.68_cal   | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 17 32.06 | +13 57 18.65   | / | / | / | / | 360.33   |
| 1256 | G48.29+0.68_cal   | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 19 17 32.06 | +13 57 18.65   | / | / | / | / | 35.63    |
| 1257 | G48.29+0.68       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 17 32.06 | +13 57 18.65   | / | / | / | / | 3755.19  |
| 1258 | G48.29+0.68       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 17 32.06 | +13 57 18.65   | / | / | / | / | 371.69   |
| 1259 | G56.81+0.34       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 35 48.56 | +21 16 41.69   | / | / | / | / | 3758.18  |
| 1260 | G56.81+0.34       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 35 48.56 | +21 16 41.69   | / | / | / | / | 371.99   |
| 1261 | G65.37+0.42       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 54 25.49 | +28 43 50.53   | / | / | / | / | 3758.18  |
| 1262 | G65.37+0.42       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 54 25.49 | +28 43 50.53   | / | / | / | / | 371.99   |
| 1263 | G76.91-2.63_cal   | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 37 06.12 | +36 37 00.19   | / | / | / | / | 360.33   |
| 1264 | G76.91-2.63_cal   | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 20 37 06.12 | +36 37 00.19   | / | / | / | / | 35.63    |
| 1265 | G76.91-2.63       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 37 06.12 | +36 37 00.19   | / | / | / | / | 3758.18  |
| 1266 | G76.91-2.63       | ZD2020_2 | 2020-04-05 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 37 06.12 | +36 37 00.19   | / | / | / | / | 371.99   |
| 1267 | M31_Halo_Drift_51 | ZD2020_4 | 2020-04-05 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +47 24 31.8298 | / | / | / | / | 2123.58  |
| 1268 | 0029+349          | ZD2020_4 | 2020-04-05 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 1269 | FRB181017         | ZD2020_5 | 2020-04-05 | 19波束接收机 | all | psr(4k)   | Tracking       | 00 36 29.83 | +11 19 59.80   | / | / | / | / | 11081    |
| 1270 | FRB181118         | ZD2020_5 | 2020-04-05 | 19波束接收机 | all | psr(4k)   | Tracking       | 07 56 41.87 | +16 08 56.70   | / | / | / | / | 11081    |
| 1271 | Dec+1538          | N2020_3  | 2020-04-05 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 38 00.0    | / | / | / | / | 884.92   |
| 1272 | M31_Halo_Drift_52 | ZD2020_4 | 2020-04-06 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +47 46 12.0845 | / | / | / | / | 2123.58  |
| 1273 | 0029+349          | ZD2020_4 | 2020-04-06 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24   |
| 1274 | FRB181130         | ZD2020_5 | 2020-04-06 | 19波束接收机 | all | psr(4k)   | Tracking       | 00 39 07.85 | +19 24 31.70   | / | / | / | / | 11081    |

|      |                         |            |            |         |       |           |                |             |                |             |             |              |              |          |
|------|-------------------------|------------|------------|---------|-------|-----------|----------------|-------------|----------------|-------------|-------------|--------------|--------------|----------|
| 1275 | Dec+1559                | N2020_3    | 2020-04-06 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 59 00.0    | /           | /           | /            | /            | 1084.04  |
| 1276 | M31_Halo_Drift_53       | ZD2020_4   | 2020-04-07 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +48 07 52.3392 | /           | /           | /            | /            | 2123.58  |
| 1277 | 0029+349                | ZD2020_4   | 2020-04-07 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /            | /            | 177.24   |
| 1278 | FRB121102               | ZD2020_5   | 2020-04-07 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 05 31 58.70 | +33 08 52.5    | /           | /           | /            | /            | 1739.94  |
| 1279 | Dec+1559                | N2020_3    | 2020-04-07 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +15 59 00.0    | /           | /           | /            | /            | 733.71   |
| 1280 | M31_Halo_Drift_54       | ZD2020_4   | 2020-04-08 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +48 29 32.5939 | /           | /           | /            | /            | 2123.58  |
| 1281 | 0029+349                | ZD2020_4   | 2020-04-08 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /            | /            | 177.24   |
| 1282 | Dec-0641(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-09 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -06 41 08.0992 | /           | /           | /            | /            | 27064.41 |
| 1283 | Dec-0641                | ZD2020_1_2 | 2020-04-09 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -06 41 08.0992 | /           | /           | /            | /            | 16039.19 |
| 1284 | Dec-0619(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-10 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -06 19 27.8992 | /           | /           | /            | /            | 26879.06 |
| 1285 | Dec-0619                | ZD2020_1_2 | 2020-04-10 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -06 19 27.8992 | /           | /           | /            | /            | 15982.26 |
| 1286 | Dec-0557(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-11 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -05 57 47.7006 | /           | /           | /            | /            | 27064.41 |
| 1287 | Dec-0557                | ZD2020_1_2 | 2020-04-11 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -05 57 47.7006 | /           | /           | /            | /            | 16039.19 |
| 1288 | Dec-0536(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-12 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -05 36 07.4995 | /           | /           | /            | /            | 27064.32 |
| 1289 | Dec-0536                | ZD2020_1_2 | 2020-04-12 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -05 36 07.4995 | /           | /           | /            | /            | 16039.19 |
| 1290 | Dec-0514(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-13 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -05 14 27.3019 | /           | /           | /            | /            | 27064.41 |
| 1291 | Dec-0514                | ZD2020_1_2 | 2020-04-13 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -05 14 27.3019 | /           | /           | /            | /            | 16039.19 |
| 1292 | Dec-0452(1bit&1bit1k&2b | ZD2020_1_1 | 2020-04-14 | 19波束接收机 | all   | psr(4k)   | DriftWithAngle | 05 20 00.00 | -04 52 47.1009 | /           | /           | /            | /            | 27064.41 |
| 1293 | Dec-0452                | ZD2020_1_2 | 2020-04-14 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | -04 52 47.1009 | /           | /           | /            | /            | 16039.19 |
| 1294 | J1838+0037_cal          | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 38 36.16 | +00 37 20.89   | /           | /           | /            | /            | 27064.41 |
| 1295 | J1838+0037_cal          | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 38 36.16 | +00 37 20.89   | /           | /           | /            | /            | 26297.67 |
| 1296 | J1838+0037              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 38 36.16 | +00 37 20.89   | /           | /           | /            | /            | 2683.17  |
| 1297 | J1838+0037              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 38 36.16 | +00 37 20.89   | /           | /           | /            | /            | 265.71   |
| 1298 | J1843+0004              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 43 13.03 | +00 04 07.99   | /           | /           | /            | /            | 2683.17  |
| 1299 | J1843+0004              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 43 13.03 | +00 04 07.99   | /           | /           | /            | /            | 265.71   |
| 1300 | J1849+0001_cal          | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 49 23.00 | +00 01 09.00   | /           | /           | /            | /            | 360.33   |
| 1301 | J1849+0001_cal          | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 49 23.00 | +00 01 09.00   | /           | /           | /            | /            | 35.63    |
| 1302 | J1849+0001              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 49 23.00 | +00 01 09.00   | /           | /           | /            | /            | 2683.17  |
| 1303 | J1849+0001              | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 49 23.00 | +00 01 09.00   | /           | /           | /            | /            | 265.71   |
| 1304 | G39.05+1.10_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 58 41.53 | +05 56 45.99   | /           | /           | /            | /            | 360.33   |
| 1305 | G39.05+1.10_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 58 41.53 | +05 56 45.99   | /           | /           | /            | /            | 35.63    |
| 1306 | G39.05+1.10             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 58 41.53 | +05 56 45.99   | /           | /           | /            | /            | 3755.19  |
| 1307 | G39.05+1.10             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 58 41.53 | +05 56 45.99   | /           | /           | /            | /            | 371.69   |
| 1308 | G44.97+0.85             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 10 35.49 | +11 05 16.66   | /           | /           | /            | /            | 3755.19  |
| 1309 | G44.97+0.85             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 10 35.49 | +11 05 16.66   | /           | /           | /            | /            | 371.69   |
| 1310 | G50.55+0.85_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 21 16.80 | +16 01 20.23   | /           | /           | /            | /            | 360.33   |
| 1311 | G50.55+0.85_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 21 16.80 | +16 01 20.23   | /           | /           | /            | /            | 35.63    |
| 1312 | G50.55+0.85             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 21 16.80 | +16 01 20.23   | /           | /           | /            | /            | 3758.18  |
| 1313 | G50.55+0.85             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 21 16.80 | +16 01 20.23   | /           | /           | /            | /            | 371.99   |
| 1314 | G62.43+0.76             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 46 22.02 | +26 22 37.60   | /           | /           | /            | /            | 3758.18  |
| 1315 | G62.43+0.76             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 46 22.02 | +26 22 37.60   | /           | /           | /            | /            | 371.99   |
| 1316 | G69.57-1.78_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | Tracking       | 20 13 22.99 | +31 06 49.22   | /           | /           | /            | /            | 360.33   |
| 1317 | G69.57-1.78_cal         | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 20 13 22.99 | +31 06 49.22   | /           | /           | /            | /            | 35.63    |
| 1318 | G69.57-1.78             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 13 22.99 | +31 06 49.22   | /           | /           | /            | /            | 3755.19  |
| 1319 | G69.57-1.78             | ZD2020_2   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 13 22.99 | +31 06 49.22   | /           | /           | /            | /            | 371.69   |
| 1320 | M31_Halo_Drift_55       | ZD2020_4   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +48 51 12.8486 | /           | /           | /            | /            | 2123.58  |
| 1321 | 0029+349                | ZD2020_4   | 2020-04-15 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | /           | /           | /            | /            | 177.24   |
| 1322 | Dec+1620                | N2020_3    | 2020-04-15 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +16 20 00.0    | /           | /           | /            | /            | 508.84   |
| 1323 | 19C67N1                 | ZD2020_6   | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 16 31 49.00 | 16 32 01.30 | +12 52 20.00 | +12 52 20.00 | 1706.64  |
| 1324 | 19C67N2                 | ZD2020_6   | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 16 31 42.84 | 16 31 55.15 | +12 54 56.00 | +12 54 56.00 | 1706.64  |
| 1325 | 19C69N1                 | ZD2020_6   | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /           | /              | 16 39 58.00 | 16 40 10.24 | -11 26 41.00 | -11 26 41.00 | 1706.64  |

|      |                  |          |            |         |       |           |                |              |              |             |             |              |              |          |
|------|------------------|----------|------------|---------|-------|-----------|----------------|--------------|--------------|-------------|-------------|--------------|--------------|----------|
| 1326 | 19C69N2          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 16 39 51.87 | 16 40 04.12 | -11 29 17.00 | -11 29 17.00 | 1706.64  |
| 1327 | 19C65-11836+0915 | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 18 36 23.00  | +09 15 33.00 | /           | /           | /            | /            | 358.84   |
| 1328 | 19C55N1          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 18 04 39.00 | 18 04 51.02 | -03 21 03.00 | -03 21 03.00 | 1706.64  |
| 1329 | 19C55N2          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 18 04 32.98 | 18 04 45.01 | -03 23 39.00 | -03 23 39.00 | 1706.64  |
| 1330 | 19C6-N1          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 18 09 43.00 | 18 09 55.05 | -05 20 00.00 | -05 20 00.00 | 1706.64  |
| 1331 | 19C6-N2          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 18 09 36.97 | 18 09 49.02 | -05 22 36.00 | -05 22 36.00 | 1703.64  |
| 1332 | 19C1-J1827+0022  | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 18 27 03.00  | +00 22 36.00 | /           | /           | /            | /            | 358.84   |
| 1333 | 19C62-J1908+0128 | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 19 08 20.00  | +01 28 12.00 | /           | /           | /            | /            | 358.84   |
| 1334 | SGRJ1935+2154    | ZD2020_5 | 2020-04-16 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 19 34 55.598 | +21 53 47.79 | /           | /           | /            | /            | 2257.35  |
| 1335 | J1901+0716_OFF   | ZD2020_6 | 2020-04-16 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 01 38.93  | +07 26 34.80 | /           | /           | /            | /            | 9.48     |
| 1336 | J1901+0716       | ZD2020_6 | 2020-04-16 | 19波束接收机 | beam1 | psr(1k)   | Tracking       | 19 01 38.93  | +07 16 34.80 | /           | /           | /            | /            | 23.59    |
| 1337 | 19C4-J1929+0129  | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 19 29 41.41  | +01 33 02.22 | /           | /           | /            | /            | 358.84   |
| 1338 | 19C63-J2027+0255 | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 20 27 32.00  | +02 55 17.00 | /           | /           | /            | /            | 358.84   |
| 1339 | 19C18N1          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 20 32 26.00 | 20 32 38.09 | +07 00 00.00 | +07 00 00.00 | 1703.64  |
| 1340 | 19C18N2          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 20 32 19.95 | 20 32 32.04 | +07 02 36.00 | +07 02 36.00 | 1703.64  |
| 1341 | C27-J2057+2133   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 20 57 40.00  | +21 33 03.00 | /           | /           | /            | /            | 358.84   |
| 1342 | 19C20N1          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 23 07 24.00 | 23 07 36.06 | -05 58 30.00 | -05 58 30.00 | 1703.64  |
| 1343 | 19C20N2          | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(4k)   | OnOff          | /            | /            | 23 07 17.96 | 23 07 30.03 | -04 01 06.00 | -04 01 06.00 | 1703.64  |
| 1344 | C22-J2025+2133   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 20 25 40.00  | +21 33 39.00 | /           | /           | /            | /            | 358.84   |
| 1345 | 19C3-J2355+0049  | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 23 55 51.32  | +00 50 55.30 | /           | /           | /            | /            | 358.84   |
| 1346 | C10-J0209+2621   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 02 09 00.00  | +26 21 22.00 | /           | /           | /            | /            | 805.51   |
| 1347 | C20-J0539+0012   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 05 39 45.00  | +00 13 36.00 | /           | /           | /            | /            | 894.85   |
| 1348 | C34-J0752-0820   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 07 52 50.00  | -08 20 37.50 | /           | /           | /            | /            | 894.85   |
| 1349 | C69-J0631+4147   | ZD2020_6 | 2020-04-16 | 19波束接收机 | all   | psr(1k)   | Tracking       | 06 31 58.00  | +41 47 42.58 | /           | /           | /            | /            | 1788.28  |
| 1350 | Dec+1620         | N2020_3  | 2020-04-16 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00  | +16 20 00.00 | /           | /           | /            | /            | 1106.17  |
| 1351 | G38.76+1.78_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 55 43.68  | +05 59 38.60 | /           | /           | /            | /            | 360.33   |
| 1352 | G38.76+1.78_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 55 43.68  | +05 59 38.60 | /           | /           | /            | /            | 35.63    |
| 1353 | G38.76+1.78      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 55 43.68  | +05 59 38.60 | /           | /           | /            | /            | 3758.18  |
| 1354 | G38.76+1.78      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 55 43.68  | +05 59 38.60 | /           | /           | /            | /            | 371.99   |
| 1355 | G33.13+1.36      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 46 58.44  | +00 47 41.53 | /           | /           | /            | /            | 3755.19  |
| 1356 | G33.13+1.36      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 46 58.44  | +00 47 41.53 | /           | /           | /            | /            | 371.69   |
| 1357 | J1852+0019_cal   | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 52 32.66  | +00 19 16.48 | /           | /           | /            | /            | 360.33   |
| 1358 | J1852+0019_cal   | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 52 32.66  | +00 19 16.48 | /           | /           | /            | /            | 35.63    |
| 1359 | J1852+0019       | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 52 32.66  | +00 19 16.48 | /           | /           | /            | /            | 2683.17  |
| 1360 | J1852+0019       | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 52 32.66  | +00 19 16.48 | /           | /           | /            | /            | 265.71   |
| 1361 | G37.73-0.68      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 02 37.21  | +03 57 28.53 | /           | /           | /            | /            | 3755.19  |
| 1362 | G37.73-0.68      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 02 37.21  | +03 57 28.53 | /           | /           | /            | /            | 371.69   |
| 1363 | G43.31-0.68_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 12 57.44  | +08 54 28.54 | /           | /           | /            | /            | 360.33   |
| 1364 | G43.31-0.68_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 12 57.44  | +08 54 28.54 | /           | /           | /            | /            | 35.63    |
| 1365 | G43.31-0.68      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 12 57.44  | +08 54 28.54 | /           | /           | /            | /            | 3758.18  |
| 1366 | G43.31-0.68      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 12 57.44  | +08 54 28.54 | /           | /           | /            | /            | 371.99   |
| 1367 | G50.35-0.85      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 27 05.58  | +15 02 52.75 | /           | /           | /            | /            | 3755.19  |
| 1368 | G50.35-0.85      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 27 05.58  | +15 02 52.75 | /           | /           | /            | /            | 371.69   |
| 1369 | G60.62+1.19      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 40 44.15  | +25 01 07.49 | /           | /           | /            | /            | 3758.18  |
| 1370 | G60.62+1.19      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 40 44.15  | +25 01 07.49 | /           | /           | /            | /            | 371.99   |
| 1371 | G60.62+1.19_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 40 44.15  | +25 01 07.49 | /           | /           | /            | /            | 360.33   |
| 1372 | G60.62+1.19_cal  | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 40 44.15  | +25 01 07.49 | /           | /           | /            | /            | 35.63    |
| 1373 | G78.18+1.95      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 21 58.74  | +40 19 52.76 | /           | /           | /            | /            | 3755.19  |
| 1374 | G78.18+1.95      | ZD2020_2 | 2020-04-17 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 21 58.74  | +40 19 52.76 | /           | /           | /            | /            | 371.69   |
| 1375 | Dec+1641         | N2020_3  | 2020-04-17 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00  | +16 41 00.00 | /           | /           | /            | /            | 1106.17  |
| 1376 | FRB190520        | ZD2020_5 | 2020-04-18 | 19波束接收机 | all   | psr(4k)   | Tracking       | 16 02 01.10  | -11 30 45.9  | /           | /           | /            | /            | 19300.32 |

|      |                   |          |            |         |     |           |                |             |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 1377 | G42.77+1.10_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 05 33.43 | +09 15 03.86   | / | / | / | / | 360.33  |
| 1378 | G42.77+1.10_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 19 05 33.43 | +09 15 03.86   | / | / | / | / | 35.63   |
| 1379 | G42.77+1.10       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 05 33.43 | +09 15 03.86   | / | / | / | / | 3755.19 |
| 1380 | G42.77+1.10       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 05 33.43 | +09 15 03.86   | / | / | / | / | 371.69  |
| 1381 | G37.39-0.42       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 01 05.15 | +03 46 11.39   | / | / | / | / | 3758.18 |
| 1382 | G37.39-0.42       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 01 05.15 | +03 46 11.39   | / | / | / | / | 371.99  |
| 1383 | J1853+0022_cal    | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 360.33  |
| 1384 | J1853+0022_cal    | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 35.63   |
| 1385 | J1853+0022        | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 2683.17 |
| 1386 | J1853+0022        | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 18 53 08.20 | +00 22 21.26   | / | / | / | / | 265.71  |
| 1387 | G40.76-0.17       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 06 23.76 | +06 53 09.27   | / | / | / | / | 3755.19 |
| 1388 | G40.76-0.17       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 06 23.76 | +06 53 09.27   | / | / | / | / | 371.69  |
| 1389 | G44.38-1.02_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 16 12.00 | +09 42 12.17   | / | / | / | / | 360.33  |
| 1390 | G44.38-1.02_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 19 16 12.00 | +09 42 12.17   | / | / | / | / | 35.63   |
| 1391 | G44.38-1.02       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 16 12.00 | +09 42 12.17   | / | / | / | / | 3755.19 |
| 1392 | G44.38-1.02       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 16 12.00 | +09 42 12.17   | / | / | / | / | 371.69  |
| 1393 | G49.96-1.02       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 26 56.33 | +14 37 23.59   | / | / | / | / | 3758.18 |
| 1394 | G49.96-1.02       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 26 56.33 | +14 37 23.59   | / | / | / | / | 371.99  |
| 1395 | G55.93-0.85       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 38 23.55 | +19 55 49.19   | / | / | / | / | 3755.19 |
| 1396 | G55.93-0.85       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 38 23.55 | +19 55 49.19   | / | / | / | / | 352.13  |
| 1397 | G68.45-1.86_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 10 50.57 | +30 07 38.09   | / | / | / | / | 360.33  |
| 1398 | G68.45-1.86_cal   | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 20 10 50.57 | +30 07 38.09   | / | / | / | / | 35.63   |
| 1399 | G68.45-1.86       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 10 50.57 | +30 07 38.09   | / | / | / | / | 3758.18 |
| 1400 | G68.45-1.86       | ZD2020_2 | 2020-04-18 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 10 50.57 | +30 07 38.09   | / | / | / | / | 371.99  |
| 1401 | M31_Halo_Drift_56 | ZD2020_4 | 2020-04-18 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +49 12 53.1033 | / | / | / | / | 2123.58 |
| 1402 | 0029+349          | ZD2020_4 | 2020-04-18 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1403 | Dec+1641          | N2020_3  | 2020-04-18 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +16 41 00.0    | / | / | / | / | 2035.32 |
| 1404 | G38.36+1.61_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 55 37.08 | +05 34 07.11   | / | / | / | / | 360.33  |
| 1405 | G38.36+1.61_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | Tracking       | 18 55 37.08 | +05 34 07.11   | / | / | / | / | 35.63   |
| 1406 | G38.36+1.61       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 55 37.08 | +05 34 07.11   | / | / | / | / | 3093.9  |
| 1407 | G38.36+1.61       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 55 37.08 | +05 34 07.11   | / | / | / | / | 308.16  |
| 1408 | G35.67+0.85       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 53 25.42 | +02 49 36.90   | / | / | / | / | 3758.18 |
| 1409 | G35.67+0.85       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 53 25.42 | +02 49 36.90   | / | / | / | / | 371.99  |
| 1410 | G35.87-0.68       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 59 12.88 | +02 18 18.06   | / | / | / | / | 3755.19 |
| 1411 | G35.87-0.68       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 59 12.88 | +02 18 18.06   | / | / | / | / | 371.69  |
| 1412 | G43.60+1.86_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 04 21.18 | +10 20 21.96   | / | / | / | / | 360.33  |
| 1413 | G43.60+1.86_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | Tracking       | 19 04 21.18 | +10 20 21.96   | / | / | / | / | 35.63   |
| 1414 | G43.60+1.86       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 04 21.18 | +10 20 21.96   | / | / | / | / | 3755.19 |
| 1415 | G43.60+1.86       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 04 21.18 | +10 20 21.96   | / | / | / | / | 371.69  |
| 1416 | G43.55-1.78       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 17 21.86 | +08 36 45.04   | / | / | / | / | 3755.19 |
| 1417 | G43.55-1.78       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 17 21.86 | +08 36 45.04   | / | / | / | / | 371.69  |
| 1418 | G55.68+3.47_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 21 39.36 | +21 47 12.47   | / | / | / | / | 360.33  |
| 1419 | G55.68+3.47_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | Tracking       | 19 21 39.36 | +21 47 12.47   | / | / | / | / | 35.63   |
| 1420 | G55.68+3.47       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 21 39.36 | +21 47 12.47   | / | / | / | / | 3755.19 |
| 1421 | G55.68+3.47       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 21 39.36 | +21 47 12.47   | / | / | / | / | 371.69  |
| 1422 | G61.01+1.36       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 40 56.30 | +25 26 33.48   | / | / | / | / | 3755.19 |
| 1423 | G61.01+1.36       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 40 56.30 | +25 26 33.48   | / | / | / | / | 371.69  |
| 1424 | G71.43+1.44_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 05 20.36 | +34 25 28.83   | / | / | / | / | 360.33  |
| 1425 | G71.43+1.44_cal   | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | Tracking       | 20 05 20.36 | +34 25 28.83   | / | / | / | / | 35.63   |
| 1426 | G71.43+1.44       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 05 20.36 | +34 25 28.83   | / | / | / | / | 3755.19 |
| 1427 | G71.43+1.44       | ZD2020_2 | 2020-04-19 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 05 20.36 | +34 25 28.83   | / | / | / | / | 371.69  |

|      |                   |          |            |         |     |           |                |             |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-----|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 1428 | M31_Halo_Drift_57 | ZD2020_4 | 2020-04-19 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +49 34 33.358  | / | / | / | / | 2123.58 |
| 1429 | 0029+349          | ZD2020_4 | 2020-04-19 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1430 | Dec+1702          | N2020_3  | 2020-04-19 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 02 00.0    | / | / | / | / | 2002.14 |
| 1431 | G40.17+1.19_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 00 27.42 | +06 59 07.74   | / | / | / | / | 180.52  |
| 1432 | G40.17+1.19_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | Tracking       | 19 00 27.42 | +06 59 07.74   | / | / | / | / | 35.63   |
| 1433 | G40.17+1.19       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 00 27.42 | +06 59 07.74   | / | / | / | / | 1881.24 |
| 1434 | G40.17+1.19       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 00 27.42 | +06 59 07.74   | / | / | / | / | 371.69  |
| 1435 | G32.40+1.44       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 45 20.07 | +00 10 50.32   | / | / | / | / | 1882.74 |
| 1436 | G32.40+1.44       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 45 20.07 | +00 10 50.32   | / | / | / | / | 371.99  |
| 1437 | G32.89-0.76       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 54 04.13 | -00 23 18.81   | / | / | / | / | 1882.74 |
| 1438 | G32.89-0.76       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 54 04.13 | -00 23 18.81   | / | / | / | / | 371.99  |
| 1439 | G39.59-0.68_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 06 02.52 | +05 36 34.68   | / | / | / | / | 180.52  |
| 1440 | G39.59-0.68_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | Tracking       | 19 06 02.52 | +05 36 34.68   | / | / | / | / | 35.63   |
| 1441 | G39.59-0.68       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 06 02.52 | +05 36 34.68   | / | / | / | / | 1881.24 |
| 1442 | G39.59-0.68       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 06 02.52 | +05 36 34.68   | / | / | / | / | 371.69  |
| 1443 | G42.96-0.42       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 11 24.23 | +08 43 19.56   | / | / | / | / | 1882.74 |
| 1444 | G42.96-0.42       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 11 24.23 | +08 43 19.56   | / | / | / | / | 371.99  |
| 1445 | G49.37+0.34_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 20 51.11 | +14 44 49.85   | / | / | / | / | 180.52  |
| 1446 | G49.37+0.34_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | Tracking       | 19 20 51.11 | +14 44 49.85   | / | / | / | / | 35.63   |
| 1447 | G49.37+0.34       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 20 51.11 | +14 44 49.85   | / | / | / | / | 1881.24 |
| 1448 | G49.37+0.34       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 20 51.11 | +14 44 49.85   | / | / | / | / | 371.69  |
| 1449 | G58.27+0.17       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 39 32.60 | +22 28 29.42   | / | / | / | / | 1881.24 |
| 1450 | G58.27+0.17       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 39 32.60 | +22 28 29.42   | / | / | / | / | 371.69  |
| 1451 | G68.30+0.08_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 02 50.86 | +31 03 13.98   | / | / | / | / | 180.52  |
| 1452 | G68.30+0.08_cal   | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | Tracking       | 20 02 50.86 | +31 03 13.98   | / | / | / | / | 35.63   |
| 1453 | G68.30+0.08       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 02 50.86 | +31 03 13.98   | / | / | / | / | 1882.74 |
| 1454 | G68.30+0.08       | ZD2020_2 | 2020-04-20 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 02 50.86 | +31 03 13.98   | / | / | / | / | 371.99  |
| 1455 | M31_Halo_Drift_58 | ZD2020_4 | 2020-04-20 | 19波束接收机 | all | spec(F)   | DriftWithAngle | 23 50 44.33 | +49 56 13.6127 | / | / | / | / | 2123.58 |
| 1456 | 0029+349          | ZD2020_4 | 2020-04-20 | 19波束接收机 | all | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1457 | Dec+1702          | N2020_3  | 2020-04-20 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 02 00.0    | / | / | / | / | 1261.83 |
| 1458 | G41.98+0.76_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 05 19.32 | +08 24 00.93   | / | / | / | / | 180.52  |
| 1459 | G41.98+0.76_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | Tracking       | 19 05 19.32 | +08 24 00.93   | / | / | / | / | 35.63   |
| 1460 | G41.98+0.76       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 05 19.32 | +08 24 00.93   | / | / | / | / | 1881.24 |
| 1461 | G41.98+0.76       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 05 19.32 | +08 24 00.93   | / | / | / | / | 371.69  |
| 1462 | G32.10+2.12       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 42 23.19 | +00 13 43.41   | / | / | / | / | 1881.24 |
| 1463 | G32.10+2.12       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 42 23.19 | +00 13 43.41   | / | / | / | / | 371.69  |
| 1464 | G33.23-1.02       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 55 35.89 | -00 11 59.07   | / | / | / | / | 1881.24 |
| 1465 | G33.23-1.02       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 55 35.89 | -00 11 59.07   | / | / | / | / | 371.69  |
| 1466 | G38.27+0.76_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 58 28.07 | +05 05 42.51   | / | / | / | / | 180.52  |
| 1467 | G38.27+0.76_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | Tracking       | 18 58 28.07 | +05 05 42.51   | / | / | / | / | 35.63   |
| 1468 | G38.27+0.76       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 58 28.07 | +05 05 42.51   | / | / | / | / | 1881.24 |
| 1469 | G38.27+0.76       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 58 28.07 | +05 05 42.51   | / | / | / | / | 371.69  |
| 1470 | G46.29-0.59       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 18 17.90 | +11 35 17.47   | / | / | / | / | 1881.24 |
| 1471 | G46.29-0.59       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 18 17.90 | +11 35 17.47   | / | / | / | / | 371.69  |
| 1472 | G52.65-0.25_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 29 29.82 | +17 21 03.69   | / | / | / | / | 180.52  |
| 1473 | G52.65-0.25_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | Tracking       | 19 29 29.82 | +17 21 03.69   | / | / | / | / | 35.63   |
| 1474 | G52.65-0.25       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 29 29.82 | +17 21 03.69   | / | / | / | / | 1881.24 |
| 1475 | G52.65-0.25       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 29 29.82 | +17 21 03.69   | / | / | / | / | 371.69  |
| 1476 | G58.62-0.08       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 41 13.97 | +22 38 50.04   | / | / | / | / | 1881.24 |
| 1477 | G58.62-0.08       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 41 13.97 | +22 38 50.04   | / | / | / | / | 371.69  |
| 1478 | G74.61+0.00_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all | psr(2k)   | Tracking       | 20 19 49.37 | +36 17 09.31   | / | / | / | / | 180.52  |

|      |                   |          |            |         |       |           |                |             |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-------|-----------|----------------|-------------|----------------|---|---|---|---|---------|
| 1479 | G74.61+0.00_cal   | ZD2020_2 | 2020-04-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 20 19 49.37 | +36 17 09.31   | / | / | / | / | 35.63   |
| 1480 | G74.61+0.00       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 19 49.37 | +36 17 09.31   | / | / | / | / | 1881.24 |
| 1481 | G74.61+0.00       | ZD2020_2 | 2020-04-21 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 19 49.37 | +36 17 09.31   | / | / | / | / | 371.69  |
| 1482 | M31_Halo_Drift_59 | ZD2020_4 | 2020-04-21 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33 | +50 17 53.8674 | / | / | / | / | 2123.58 |
| 1483 | 0029+349          | ZD2020_4 | 2020-04-21 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24 | +34 56 32.2    | / | / | / | / | 177.24  |
| 1484 | FRB180301         | ZD2020_5 | 2020-04-21 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 06 12 54.96 | +04 38 43.60   | / | / | / | / | 2821.59 |
| 1485 | Dec+1723          | N2020_3  | 2020-04-21 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 23 00.0    | / | / | / | / | 723.95  |
| 1486 | G40.86+0.68_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 03 32.55 | +07 21 42.12   | / | / | / | / | 180.52  |
| 1487 | G40.86+0.68_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 03 32.55 | +07 21 42.12   | / | / | / | / | 35.63   |
| 1488 | G40.86+0.68       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 03 32.55 | +07 21 42.12   | / | / | / | / | 1882.74 |
| 1489 | G40.86+0.68       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 03 32.55 | +07 21 42.12   | / | / | / | / | 371.99  |
| 1490 | G32.01+1.27       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 45 13.44 | -00 14 41.29   | / | / | / | / | 1882.74 |
| 1491 | G32.01+1.27       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 45 13.44 | -00 14 41.29   | / | / | / | / | 371.99  |
| 1492 | G33.96-1.10       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 57 14.29 | +00 24 52.15   | / | / | / | / | 1881.24 |
| 1493 | G33.96-1.10       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 57 14.29 | +00 24 52.15   | / | / | / | / | 371.69  |
| 1494 | G38.46-0.76_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 04 16.25 | +04 34 16.44   | / | / | / | / | 180.52  |
| 1495 | G38.46-0.76_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 04 16.25 | +04 34 16.44   | / | / | / | / | 35.63   |
| 1496 | G38.46-0.76       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 04 16.25 | +04 34 16.44   | / | / | / | / | 1881.24 |
| 1497 | G38.46-0.76       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 04 16.25 | +04 34 16.44   | / | / | / | / | 371.69  |
| 1498 | G44.04-0.76       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 14 38.47 | +09 31 06.72   | / | / | / | / | 1881.24 |
| 1499 | G44.04-0.76       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 14 38.47 | +09 31 06.72   | / | / | / | / | 371.69  |
| 1500 | G49.27-0.51       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 23 44.92 | +14 15 41.48   | / | / | / | / | 1882.74 |
| 1501 | G49.27-0.51       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 23 44.92 | +14 15 41.48   | / | / | / | / | 371.99  |
| 1502 | G61.60+0.00       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 47 26.10 | +25 16 29.10   | / | / | / | / | 180.52  |
| 1503 | G61.60+0.00       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 47 26.10 | +25 16 29.10   | / | / | / | / | 35.63   |
| 1504 | G61.60+0.00_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 47 26.10 | +25 16 29.10   | / | / | / | / | 1882.74 |
| 1505 | G61.60+0.00_cal   | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 47 26.10 | +25 16 29.10   | / | / | / | / | 371.99  |
| 1506 | G73.88+0.08       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 17 26.01 | +35 43 38.26   | / | / | / | / | 1881.24 |
| 1507 | G73.88+0.08       | ZD2020_2 | 2020-04-22 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 17 26.01 | +35 43 38.26   | / | / | / | / | 371.69  |
| 1508 | Dec+1723          | N2020_3  | 2020-04-22 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 23 00.0    | / | / | / | / | 796.43  |
| 1509 | G38.71+1.36_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 57 09.28 | +05 45 26.86   | / | / | / | / | 180.52  |
| 1510 | G38.71+1.36_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 57 09.28 | +05 45 26.86   | / | / | / | / | 35.63   |
| 1511 | G38.71+1.36       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 57 09.28 | +05 45 26.86   | / | / | / | / | 1881.24 |
| 1512 | G38.71+1.36       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 57 09.28 | +05 45 26.86   | / | / | / | / | 371.69  |
| 1513 | G34.70-1.19       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 58 52.74 | +01 01 42.87   | / | / | / | / | 1881.24 |
| 1514 | G34.70-1.19       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 58 52.74 | +01 01 42.87   | / | / | / | / | 371.69  |
| 1515 | G36.46+1.19       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 53 38.64 | +03 40 40.50   | / | / | / | / | 1881.24 |
| 1516 | G36.46+1.19       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 53 38.64 | +03 40 40.50   | / | / | / | / | 371.69  |
| 1517 | G41.40-1.10_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 10 54.58 | +07 01 15.05   | / | / | / | / | 180.52  |
| 1518 | G41.40-1.10_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 10 54.58 | +07 01 15.05   | / | / | / | / | 35.63   |
| 1519 | G41.40-1.10       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 10 54.58 | +07 01 15.05   | / | / | / | / | 1881.24 |
| 1520 | G41.40-1.10       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 10 54.58 | +07 01 15.05   | / | / | / | / | 371.69  |
| 1521 | G43.84+0.76       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 08 47.15 | +10 03 02.68   | / | / | / | / | 1882.74 |
| 1522 | G43.84+0.76       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 08 47.15 | +10 03 02.68   | / | / | / | / | 371.99  |
| 1523 | G52.35+0.42       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 26 24.80 | +17 25 00.03   | / | / | / | / | 1882.74 |
| 1524 | G52.35+0.42       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 26 24.80 | +17 25 00.03   | / | / | / | / | 371.99  |
| 1525 | G63.46+0.00       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 51 38.27 | +26 52 34.36   | / | / | / | / | 1881.24 |
| 1526 | G63.46+0.00       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 51 38.27 | +26 52 34.36   | / | / | / | / | 371.69  |
| 1527 | G63.46+0.00_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 51 38.27 | +26 52 34.36   | / | / | / | / | 180.52  |
| 1528 | G63.46+0.00_cal   | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 51 38.27 | +26 52 34.36   | / | / | / | / | 35.63   |
| 1529 | G75.35-0.08       | ZD2020_2 | 2020-04-23 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 22 14.80 | +36 50 29.51   | / | / | / | / | 1882.74 |

|      |                  |          |            |         |     |           |                |             |              |   |   |   |   |          |
|------|------------------|----------|------------|---------|-----|-----------|----------------|-------------|--------------|---|---|---|---|----------|
| 1530 | G75.35-0.08      | ZD2020_2 | 2020-04-23 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 22 14.80 | +36 50 29.51 | / | / | / | / | 371.99   |
| 1531 | Dec+1744         | N2020_3  | 2020-04-23 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 44 00.0  | / | / | / | / | 929      |
| 1532 | C55_J1243+3946   | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 12 43 20.00 | +39 46 00.00 | / | / | / | / | 358.84   |
| 1533 | C54_J1248+4050   | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 12 48 20.00 | +40 50 44.00 | / | / | / | / | 358.84   |
| 1534 | C58_J1822+2625   | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 18 22 41.00 | +26 25 58.00 | / | / | / | / | 894.85   |
| 1535 | 19C7_J1737-0514  | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 17 37 19.00 | -05 14 53.40 | / | / | / | / | 358.84   |
| 1536 | 19C10_J1900+4221 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 19 00 13.00 | +42 21 07.00 | / | / | / | / | 716.18   |
| 1537 | 19C54_J1813-0402 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 18 13 33.00 | -04 02 33.00 | / | / | / | / | 358.84   |
| 1538 | 19C15_J1809-0642 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 18 09 52.00 | -06 42 35.00 | / | / | / | / | 358.84   |
| 1539 | 19C48_J1807-0840 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 18 07 24.00 | -08 50 50.00 | / | / | / | / | 358.84   |
| 1540 | 19C58_J1837-0219 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 18 37 37.00 | -02 19 37.00 | / | / | / | / | 894.85   |
| 1541 | G40.13+0.76_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 01 53.08 | +06 44 53.75 | / | / | / | / | 180.52   |
| 1542 | G40.13+0.76_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | Tracking       | 19 01 53.08 | +06 44 53.75 | / | / | / | / | 35.63    |
| 1543 | G40.13+0.76      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 01 53.08 | +06 44 53.75 | / | / | / | / | 1881.24  |
| 1544 | G40.13+0.76      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 01 53.08 | +06 44 53.75 | / | / | / | / | 371.69   |
| 1545 | G33.18+1.78      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 45 33.28 | +01 01 53.30 | / | / | / | / | 1881.24  |
| 1546 | G33.18+1.78      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 45 33.28 | +01 01 53.30 | / | / | / | / | 371.69   |
| 1547 | G35.43-1.27      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 00 31.27 | +01 38 32.94 | / | / | / | / | 1881.24  |
| 1548 | G35.43-1.27      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 00 31.27 | +01 38 32.94 | / | / | / | / | 371.69   |
| 1549 | G42.18-0.76_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 11 09.35 | +07 52 17.24 | / | / | / | / | 180.52   |
| 1550 | G42.18-0.76_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | Tracking       | 19 11 09.35 | +07 52 17.24 | / | / | / | / | 35.63    |
| 1551 | G42.18-0.76      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 11 09.35 | +07 52 17.24 | / | / | / | / | 1881.24  |
| 1552 | G42.18-0.76      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 11 09.35 | +07 52 17.24 | / | / | / | / | 371.69   |
| 1553 | G47.41-0.51      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 20 08.89 | +12 37 18.60 | / | / | / | / | 1881.24  |
| 1554 | G47.41-0.51      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 20 08.89 | +12 37 18.60 | / | / | / | / | 371.69   |
| 1555 | G51.13-0.51      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 27 24.23 | +15 53 51.11 | / | / | / | / | 1881.24  |
| 1556 | G51.13-0.51      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 27 24.23 | +15 53 51.11 | / | / | / | / | 371.69   |
| 1557 | G60.87+0.08_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 45 29.05 | +24 40 58.95 | / | / | / | / | 180.52   |
| 1558 | G60.87+0.08_cal  | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | Tracking       | 19 45 29.05 | +24 40 58.95 | / | / | / | / | 35.63    |
| 1559 | G60.87+0.08      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 45 29.05 | +24 40 58.95 | / | / | / | / | 1881.24  |
| 1560 | G60.87+0.08      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 45 29.05 | +24 40 58.95 | / | / | / | / | 371.69   |
| 1561 | G73.49-0.08      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | psr(2k)   | SnapShot       | 20 17 02.75 | +35 18 29.54 | / | / | / | / | 1881.24  |
| 1562 | G73.49-0.08      | ZD2020_2 | 2020-04-24 | 19波束接收机 | all | spec(F)   | SnapShot       | 20 17 02.75 | +35 18 29.54 | / | / | / | / | 371.69   |
| 1563 | 19C25_J0924+6102 | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 09 24 41.00 | +61 02 45.00 | / | / | / | / | 2681.7   |
| 1564 | J1023+0038       | ZD2020_6 | 2020-04-24 | 19波束接收机 | all | psr(1k)   | Tracking       | 10 23 48.00 | +00 38 40.80 | / | / | / | / | 1788.28  |
| 1565 | Dec+1744         | N2020_3  | 2020-04-24 | 19波束接收机 | all | spec(W+N) | DriftWithAngle | 05 20 00.00 | +17 44 00.0  | / | / | / | / | 331      |
| 1566 | FRB190520        | ZD2020_5 | 2020-04-25 | 19波束接收机 | all | psr(4k)   | Tracking       | 16 02 01.64 | -11 17 28.50 | / | / | / | / | 19300.32 |
| 1567 | G38.66+0.93_cal  | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | Tracking       | 18 58 34.80 | +05 31 14.28 | / | / | / | / | 180.52   |
| 1568 | G38.66+0.93_cal  | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | Tracking       | 18 58 34.80 | +05 31 14.28 | / | / | / | / | 35.63    |
| 1569 | G38.66+0.93      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 58 34.80 | +05 31 14.28 | / | / | / | / | 1881.24  |
| 1570 | G38.66+0.93      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 58 34.80 | +05 31 14.28 | / | / | / | / | 371.69   |
| 1571 | G31.71+1.95      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 42 16.55 | -00 11 47.75 | / | / | / | / | 1882.74  |
| 1572 | G31.71+1.95      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 42 16.55 | -00 11 47.75 | / | / | / | / | 371.99   |
| 1573 | G36.80+0.93      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | SnapShot       | 18 55 10.59 | +03 52 00.39 | / | / | / | / | 1882.74  |
| 1574 | G36.80+0.93      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | SnapShot       | 18 55 10.59 | +03 52 00.39 | / | / | / | / | 371.99   |
| 1575 | G42.57-0.59_cal  | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | Tracking       | 19 11 16.78 | +08 17 48.39 | / | / | / | / | 180.52   |
| 1576 | G42.57-0.59_cal  | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | Tracking       | 19 11 16.78 | +08 17 48.39 | / | / | / | / | 35.63    |
| 1577 | G42.57-0.59      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 11 16.78 | +08 17 48.39 | / | / | / | / | 1882.74  |
| 1578 | G42.57-0.59      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 11 16.78 | +08 17 48.39 | / | / | / | / | 371.99   |
| 1579 | G45.31+0.59      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | psr(2k)   | SnapShot       | 19 12 09.36 | +11 16 26.52 | / | / | / | / | 1881.24  |
| 1580 | G45.31+0.59      | ZD2020_2 | 2020-04-25 | 19波束接收机 | all | spec(F)   | SnapShot       | 19 12 09.36 | +11 16 26.52 | / | / | / | / | 371.69   |

|      |                   |          |            |         |       |           |                |              |                |   |   |   |   |         |
|------|-------------------|----------|------------|---------|-------|-----------|----------------|--------------|----------------|---|---|---|---|---------|
| 1581 | G52.26-0.42       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 29 20.10  | +16 55 34.84   | / | / | / | / | 1881.24 |
| 1582 | G52.26-0.42       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 29 20.10  | +16 55 34.84   | / | / | / | / | 371.69  |
| 1583 | G60.13+0.17       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 43 33.10  | +24 05 23.23   | / | / | / | / | 180.52  |
| 1584 | G60.13+0.17       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 43 33.10  | +24 05 23.23   | / | / | / | / | 35.63   |
| 1585 | G60.13+0.17_cal   | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 43 33.10  | +24 05 23.23   | / | / | / | / | 1882.74 |
| 1586 | G60.13+0.17_cal   | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 43 33.10  | +24 05 23.23   | / | / | / | / | 371.99  |
| 1587 | G74.22-0.17       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 19 25.19  | +35 52 02.35   | / | / | / | / | 1881.24 |
| 1588 | G74.22-0.17       | ZD2020_2 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 19 25.19  | +35 52 02.35   | / | / | / | / | 371.69  |
| 1589 | M31 Halo Drift_60 | ZD2020_4 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33  | +50 39 34.1221 | / | / | / | / | 2123.58 |
| 1590 | 0029+349          | ZD2020_4 | 2020-04-25 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24  | +34 56 32.2    | / | / | / | / | 177.24  |
| 1591 | Dec+1805          | N2020_3  | 2020-04-25 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00  | +18 05 00.0    | / | / | / | / | 929.16  |
| 1592 | G35.04-1.44       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 00 24.55  | +01 13 01.41   | / | / | / | / | 1881.24 |
| 1593 | G35.04-1.44       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 00 24.55  | +01 13 01.41   | / | / | / | / | 371.69  |
| 1594 | G34.30-1.36       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 58 46.07  | +00 36 11.26   | / | / | / | / | 1881.24 |
| 1595 | G34.30-1.36       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 58 46.07  | +00 36 11.26   | / | / | / | / | 371.69  |
| 1596 | G38.80-1.02_cal   | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 05 48.46  | +04 45 31.75   | / | / | / | / | 180.52  |
| 1597 | G38.80-1.02_cal   | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 05 48.46  | +04 45 31.75   | / | / | / | / | 35.63   |
| 1598 | G38.80-1.02       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 05 48.46  | +04 45 31.75   | / | / | / | / | 1882.74 |
| 1599 | G38.80-1.02       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 05 48.46  | +04 45 31.75   | / | / | / | / | 371.99  |
| 1600 | G43.65-0.93       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 14 30.76  | +09 05 35.91   | / | / | / | / | 1882.74 |
| 1601 | G43.65-0.93       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 14 30.76  | +09 05 35.91   | / | / | / | / | 371.99  |
| 1602 | G50.01-0.59       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 25 29.60  | +14 52 03.31   | / | / | / | / | 1882.74 |
| 1603 | G50.01-0.59       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 25 29.60  | +14 52 03.31   | / | / | / | / | 371.99  |
| 1604 | G58.22-0.25       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 41 01.96  | +22 13 23.89   | / | / | / | / | 180.52  |
| 1605 | G58.22-0.25       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 41 01.96  | +22 13 23.89   | / | / | / | / | 35.63   |
| 1606 | G58.22-0.25_cal   | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 41 01.96  | +22 13 23.89   | / | / | / | / | 1881.24 |
| 1607 | G58.22-0.25_cal   | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 41 01.96  | +22 13 23.89   | / | / | / | / | 371.69  |
| 1608 | G72.36-0.17       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 14 20.13  | +34 19 35.77   | / | / | / | / | 1882.74 |
| 1609 | G72.36-0.17       | ZD2020_2 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 14 20.13  | +34 19 35.77   | / | / | / | / | 371.99  |
| 1610 | M31 Halo Drift_61 | ZD2020_4 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33  | +51 01 14.3768 | / | / | / | / | 2123.58 |
| 1611 | 0029+349          | ZD2020_4 | 2020-04-26 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24  | +34 56 32.2    | / | / | / | / | 177.24  |
| 1612 | Dec+1805          | N2020_3  | 2020-04-26 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00  | +18 05 00.0    | / | / | / | / | 951.28  |
| 1613 | G42.33+0.51_cal   | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 06 52.28  | +08 35 15.39   | / | / | / | / | 180.52  |
| 1614 | G42.33+0.51_cal   | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 06 52.28  | +08 35 15.39   | / | / | / | / | 35.63   |
| 1615 | G42.33+0.51       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 06 52.28  | +08 35 15.39   | / | / | / | / | 1881.24 |
| 1616 | G42.33+0.51       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 06 52.28  | +08 35 15.39   | / | / | / | / | 371.69  |
| 1617 | SGRJ1935+2154     | ZD2020_5 | 2020-04-27 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 19 34 55.598 | +21 53 47.79   | / | / | / | / | 2257.35 |
| 1618 | G60.82-0.34       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 46 59.22  | +24 25 40.59   | / | / | / | / | 180.52  |
| 1619 | G60.82-0.34       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 46 59.22  | +24 25 40.59   | / | / | / | / | 35.63   |
| 1620 | G60.82-0.34_cal   | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 46 59.22  | +24 25 40.59   | / | / | / | / | 1881.24 |
| 1621 | G60.82-0.34_cal   | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 46 59.22  | +24 25 40.59   | / | / | / | / | 371.69  |
| 1622 | G76.47+0.00       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 20 25 08.78  | +37 48 41.18   | / | / | / | / | 1881.24 |
| 1623 | G76.47+0.00       | ZD2020_2 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | SnapShot       | 20 25 08.78  | +37 48 41.18   | / | / | / | / | 371.69  |
| 1624 | M31 Halo Drift_62 | ZD2020_4 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33  | +51 22 54.6315 | / | / | / | / | 2123.58 |
| 1625 | 0029+349          | ZD2020_4 | 2020-04-27 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24  | +34 56 32.2    | / | / | / | / | 177.24  |
| 1626 | Dec+1826          | N2020_3  | 2020-04-27 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00  | +18 26 00.0    | / | / | / | / | 929.16  |
| 1627 | G37.97+1.44_cal   | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 18 55 30.48  | +05 08 35.54   | / | / | / | / | 180.52  |
| 1628 | G37.97+1.44_cal   | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 18 55 30.48  | +05 08 35.54   | / | / | / | / | 35.63   |
| 1629 | G37.97+1.44       | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 55 30.48  | +05 08 35.54   | / | / | / | / | 1881.24 |
| 1630 | G37.97+1.44       | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 55 30.48  | +05 08 35.54   | / | / | / | / | 371.69  |
| 1631 | G33.91+1.69       | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 47 11.60  | +01 38 44.66   | / | / | / | / | 1881.24 |



|      |                     |          |            |         |       |           |                |               |                |             |             |              |              |          |
|------|---------------------|----------|------------|---------|-------|-----------|----------------|---------------|----------------|-------------|-------------|--------------|--------------|----------|
| 1632 | G33.91+1.69         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 47 11.60   | +01 38 44.66   | /           | /           | /            | /            | 371.69   |
| 1633 | G33.57-1.27         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 18 57 07.65   | -00 00 39.54   | /           | /           | /            | /            | 1881.24  |
| 1634 | G33.57-1.27         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 18 57 07.65   | -00 00 39.54   | /           | /           | /            | /            | 371.69   |
| 1635 | G40.27-1.19 cal     | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | Tracking       | 19 09 07.40   | +05 59 01.47   | /           | /           | /            | /            | 180.52   |
| 1636 | G40.27-1.19 cal     | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | Tracking       | 19 09 07.40   | +05 59 01.47   | /           | /           | /            | /            | 35.63    |
| 1637 | G40.27-1.19         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 09 07.40   | +05 59 01.47   | /           | /           | /            | /            | 1882.74  |
| 1638 | G40.27-1.19         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 09 07.40   | +05 59 01.47   | /           | /           | /            | /            | 371.99   |
| 1639 | G45.90-0.76         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 18 09.78   | +11 09 47.00   | /           | /           | /            | /            | 1881.24  |
| 1640 | G45.90-0.76         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 18 09.78   | +11 09 47.00   | /           | /           | /            | /            | 371.69   |
| 1641 | G48.15-0.59         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 21 52.23   | +13 13 46.58   | /           | /           | /            | /            | 1882.74  |
| 1642 | G48.15-0.59         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 21 52.23   | +13 13 46.58   | /           | /           | /            | /            | 371.99   |
| 1643 | G58.96-0.34         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | psr(2k)   | SnapShot       | 19 42 55.60   | +22 49 06.64   |             |             |              |              | 1405.21  |
| 1644 | G58.96-0.34         | ZD2020_2 | 2020-04-28 | 19波束接收机 | all   | spec(F)   | SnapShot       | 19 42 55.60   | +22 49 06.64   |             |             |              |              | 280.25   |
| 1645 | SGRJ1935+2154       | ZD2020_5 | 2020-04-28 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 19 34 55.5978 | +21 53 47.7864 | /           | /           | /            | /            | 1047.26  |
| 1646 | C48 J2053+47        | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 20 53 03.00   | +47 21 26.00   | /           | /           | /            | /            | 1788.28  |
| 1647 | 19C19 J2112+0740    | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 21 12 07.00   | +07 40 00.00   | /           | /           | /            | /            | 894.85   |
| 1648 | 19C22 J2204+09      | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 22 04 33.00   | +09 45 07.00   | /           | /           | /            | /            | 3217.79  |
| 1649 | 19C25 J0924+6102    | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 09 24 41.00   | +61 02 45.00   | /           | /           | /            | /            | 894.85   |
| 1650 | 19C23 J1142+3253    | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 11 42 06.00   | +32 53 02.00   | /           | /           | /            | /            | 716.18   |
| 1651 | 19C33 J1115-0958    | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 11 15 29.00   | -09 58 06.00   | /           | /           | /            | /            | 537.51   |
| 1652 | C55 J1243+3946      | ZD2020_6 | 2020-04-28 | 19波束接收机 | all   | psr(1k)   | Tracking       | 12 43 20.00   | +39 46 00.00   | /           | /           | /            | /            | 537.51   |
| 1653 | Dec+1826            | N2020_3  | 2020-04-28 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00   | +18 26 00.0    | /           | /           | /            | /            | 420.34   |
| 1654 | 19C67N1             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 16 31 49.00 | 16 32 01.30 | +12 52 20.00 | +12 52 20.00 | 425.92   |
| 1655 | 19C67N2             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 16 31 42.84 | 16 31 55.15 | +12 54 56.00 | +12 54 56.00 | 425.92   |
| 1656 | 19C34N1             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 16 02 07.00 | 16 02 00.89 | -10 52 49.0  | -10 55 25.0  | 426.67   |
| 1657 | 19C34N2             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 16 02 13.11 | 16 02 19.22 | -10 55 25.0  | -10 52 49.0  | 426.67   |
| 1658 | 19C13N1             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 17 21 26.00 | 17 21 19.97 | -05 33 40.0  | -05 36 16.0  | 202.15   |
| 1659 | 19C13N2             | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | OnOff          | /             | /              | 17 20 34.00 | 17 20 40.00 | -05 31 15.00 | -05 33 51.00 | 202.15   |
| 1660 | 19C10 J1900+4221OFF | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | Tracking       | 19 00 13.00   | +42 11 07.00   | /           | /           | /            | /            | 180.17   |
| 1661 | 19C10 J1900+4221    | ZD2020_6 | 2020-04-29 | 19波束接收机 | all   | psr(1k)   | Tracking       | 19 00 13.00   | +42 21 07.00   | /           | /           | /            | /            | 358.84   |
| 1662 | SGRJ1935+2154       | ZD2020_5 | 2020-04-29 | 19波束接收机 | beam1 | psr(4k)   | Tracking       | 19 34 55.598  | +21 53 47.79   | /           | /           | /            | /            | 3385.85  |
| 1663 | M31_Halo_Drift_63   | ZD2020_4 | 2020-04-29 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33   | +51 44 34.8862 | /           | /           | /            | /            | 2123.58  |
| 1664 | 0029+349            | ZD2020_4 | 2020-04-29 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24   | +34 56 32.2    | /           | /           | /            | /            | 177.24   |
| 1665 | Dec+1847            | N2020_3  | 2020-04-29 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00   | +18 47 00.0    | /           | /           | /            | /            | 862.8    |
| 1666 | SGRJ1935+2154       | ZD2020_5 | 2020-04-30 | 19波束接收机 | all   | psr(4k)   | Tracking       | 19 34 55.5978 | +21 53 47.7864 | /           | /           | /            | /            | 22876.97 |
| 1667 | M31_Halo_Drift_64   | ZD2020_4 | 2020-04-30 | 19波束接收机 | all   | spec(F)   | DriftWithAngle | 23 50 44.33   | +52 06 15.1409 | /           | /           | /            | /            | 2123.58  |
| 1668 | 0029+349            | ZD2020_4 | 2020-04-30 | 19波束接收机 | all   | spec(F)   | Tracking       | 00 29 14.24   | +34 56 32.2    | /           | /           | /            | /            | 158.58   |
| 1669 | FRB181123           | ZD2020_5 | 2020-04-30 | 19波束接收机 | all   | psr(4k)   | Tracking       | 05 06 06.76   | +18 09 35.7    | /           | /           | /            | /            | 5405.98  |
| 1670 | Dec+1847            | N2020_3  | 2020-04-30 | 19波束接收机 | all   | spec(W+N) | DriftWithAngle | 05 20 00.00   | +18 47 00.0    | /           | /           | /            | /            | 376.1    |