# On the follow-up observation

❖ How BAs get quick notices of new GW events

**Slack**

# On the follow-up observation

❖ Where BAs find weather & instrument information

**Slack & WeChat Work**



**#xinglongobsinfo**
☆ | 👤 18 | 🔀 0 | ✎ Add a topic

Wednesday, October 9th

cloud ▾

2019/10/9 02:14
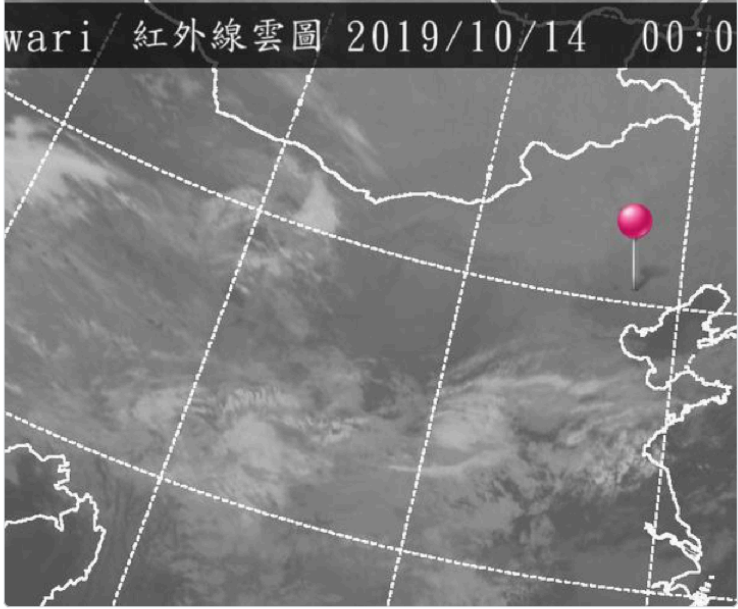
xinglongobsinfo APP 3:10 AM
BeijingTime(UTC+8)=2019-10-09 03:09:58 , observation=on , dome=Null , gwac=offline , w60cm=online , e60cm=offline , 30cm=online

xinglongweatherinfo APP 3:18 AM
Weather Condition=2019/10/09 03:17 , temperature=9.1 , humidity=52.70 , wind=1.60 , dew-point spread=9.15 , ST=04:17:28



**xinglongobsinfo**

wari 紅外線雲圖 2019/10/14 00:0

Yesterday 1:11 AM

BeijingTime(UTC+8)=2019-10-14 01:10:15 , observation=on , dome=Null , gwac=offline , w60cm=online , e60cm=offline , 30cm=online

Yesterday 1:26 AM

Weather Condition=2019/10/14 01:25 , temperature=0.1 , humidity=38.30 , wind=5.40 , vane=南风 , dew-point spread=12.55 , ST=02:44:16

# On the follow-up observation

❖ Where BAs find observation plan or status

## BA web interface

| Obs ID | Field ID | RA mount [deg] | dec mount [deg] | Pointing grade | Obs. type | Telescope | Status | Last update | #images | #OT |
|---|---|---|---|---|---|---|---|---|---|---|
| 590 | 25410255 | 254.1 | 25.5 | 0.0826 | tiling | GWAC_unit2 | complete | 2019-09-03 12:21:46 | ✗ | ✗ |
| 591 | 6301085 | 63 | -8.5 | 0.1156 | tiling | GWAC_unit4 | complete | 2019-09-03 19:28:17 | ✗ | ✗ |
| 1 | 04420664-1532174 | 70.5277 | -15.5382 | 0.000967003 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 2 | 940808 | 71.7285 | -13.2362 | 0.000967039 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 3 | 16535683+2338028 | 253.487 | 23.6341 | 0.000967431 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 4 | 176522 | 55.2629 | -28.6848 | 0.000968106 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 5 | 813910 | 51.3264 | -22.4605 | 0.000968154 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 6 | 987576 | 58.4298 | -9.70336 | 0.00096826 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 7 | 739256 | 55.2259 | -28.64 | 0.000968472 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |
| 8 | SDSSJ170515.51+212720.6 | 256.315 | 21.4557 | 0.000968645 | Gal. target. | F60 | received @ GWAC | | ✗ | ✗ |

| Obs ID | Field ID | RA mount [deg] | dec mount [deg] | Pointing grade | Obs. type | Telescope | Status | Last update | #images | #OT |
|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 28640008 | 317.06 | 12.75 | 0.0028 | tiling | GWAC/F30 | break | 2019-10-01 16:45:37 | ✗ | ✗ |
| 51 | 8921008 | 311.22 | 24.65 | 0.0025 | tiling | GWAC/F30 | break | 2019-10-01 17:07:09 | ✗ | ✗ |
| 1 | 31050255 | 310.57 | 25.5 | 0.1042 | tiling | GWAC_unit2 | complete | 2019-10-01 13:11:45 | ✗ | ✗ |
| 2 | 31500085 | 315 | 8.5 | 0.1004 | tiling | GWAC_unit2 | complete | 2019-10-01 13:44:10 | ✗ | ✗ |
| 3 | 31480425 | 314.82 | 42.5 | 0.0909 | tiling | GWAC_unit4 | complete | 2019-10-01 13:12:29 | ✗ | ✗ |
| 4 | 32890595 | 328.93 | 59.5 | 0.076 | tiling | GWAC_unit4 | complete | 2019-10-01 13:46:01 | ✗ | ✗ |
| 5 | 1430595 | 14.3 | 59.5 | 0.0576 | tiling | GWAC_unit2 | complete | 2019-10-01 16:25:01 | ✗ | ✗ |
| 6 | 33301085 | 333 | -8.5 | 0.0437 | tiling | GWAC_unit2 | complete | 2019-10-01 | ✗ | ✗ |

# On the follow-up observation

❖ How BAs know the duty scientist shift

**Slack & WeChat Work**

# On the follow-up observation

❖ Whom BAs contact to concerning to the GWAC observation, especially during the night

**Duty scientists of GWAC? Observation assistants? by slack or phone?**

❖ 6 duty scientists of GWAC, not all of them in the BA team

❖ 5 observation assistants who are not familiar with the scientific background and observation strategies for different GW events

**Or it is better to contact BA manager or BA assistant only**

# On the follow-up observation

❖ Whom BAs contact to use 2m telescopes at Lijang and Xinglong

**Jirong for 2.4m telescope**

**for 2.16m telescope: currently, BAs need to contact duty scientists, who need to contact duty astronomer of Xinglong observatory**

❖ How BAs apply other telescopes outside of SVOM

**Open questions**