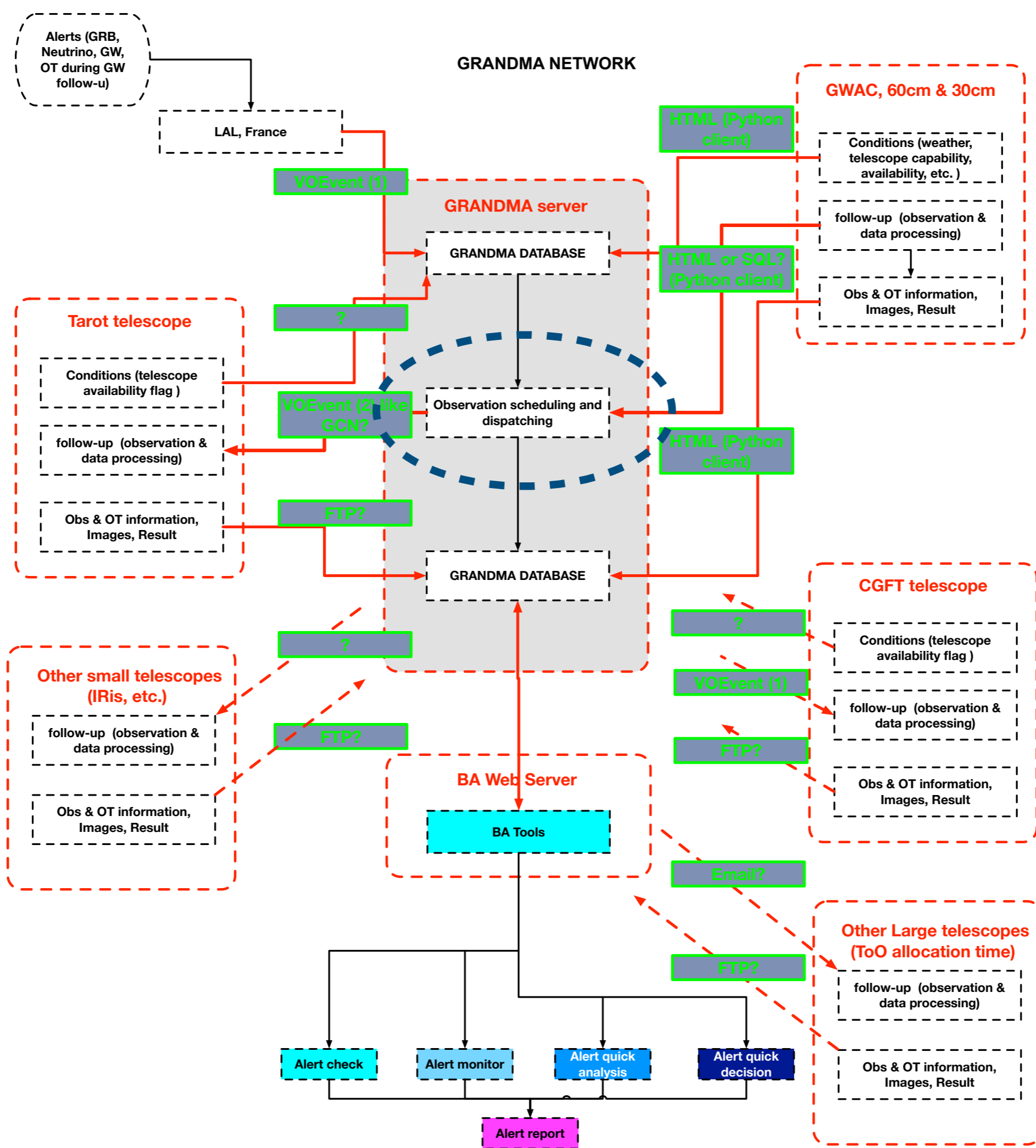


Principle of SVOM- GRANDMA Scheduler for O3

Xuhui Han

2018.11.19 Beijing



Goal for O3

YES: Scheduling for global multiple telescopes for **GW** follow-up

NO: for GRB, neutrinos etc.

Objects (telescopes)

YES: Automatic imaging follow-up telescopes

Class 1 (realtime/ near realtime feedback):

- GWAC, GWAC-F60A, GWAC-F60B, GWAC-F30

Class 2 (knowing status and feedback in short time (1 hour)):

- Tarot networks, CGFT

Class 3 (No status and feedback in longer time):

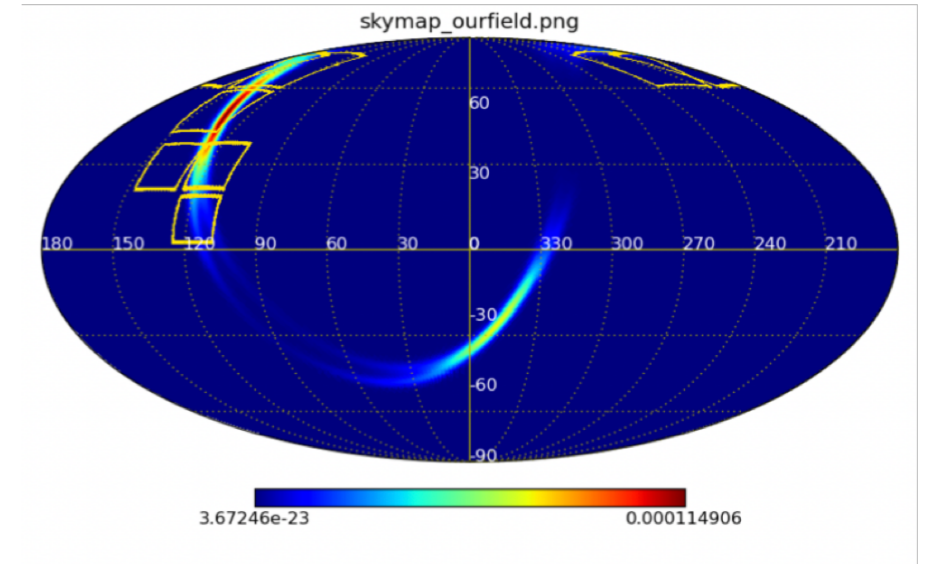
- other

NO: Other telescopes for ToO allocation time

Strategies

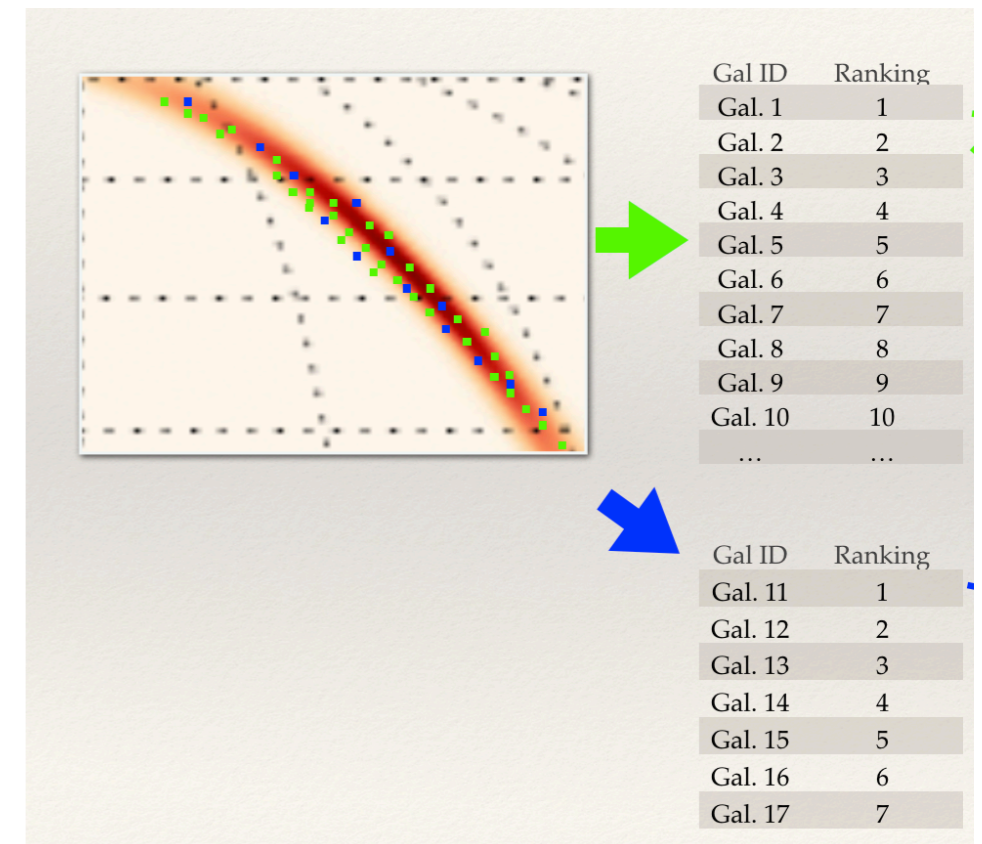
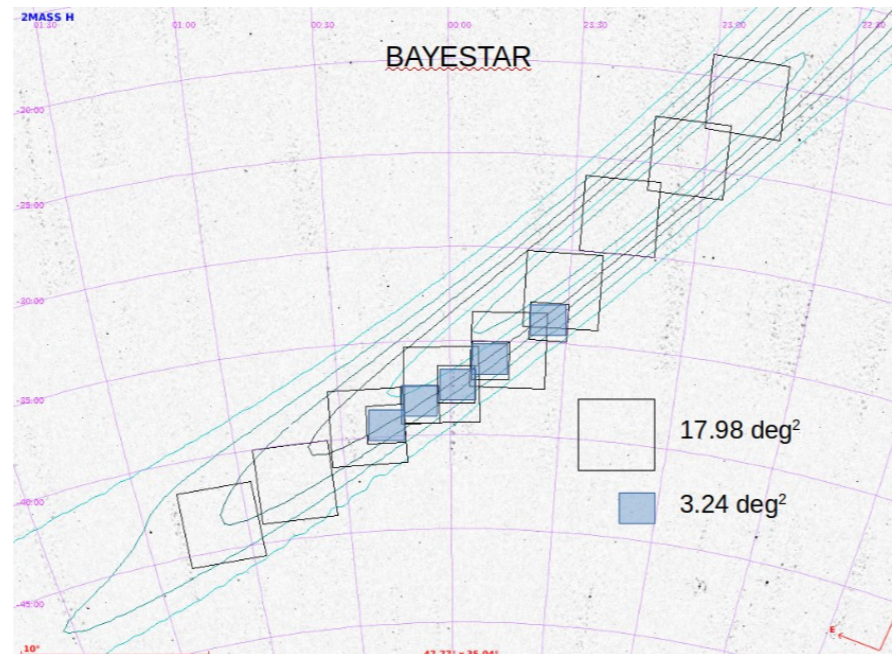
Tiling

- GWAC



Galaxy targeting or Tiling or Mixed?

- Others



Priorities

Galaxies or tiles with higher probabilities go to larger telescopes

For skymap with larger area, each telescope covers different galaxies or tiles.

For skymap with smaller area, some telescopes covers overlapped galaxies or tiles

Development

1st: automatic follow-up scheduling mode.

2nd step: semi-automatic follow-up scheduling mode.

3rd step: semi-automatic revisit scheduling mode.