

PARIS (IAP), 2019 MARCH 15

A. Claret,

on behalf of the French ground segment team

1st BA WORKSHOP

(review of the organisation for the O3 run starting mid April 2019)

AGENDA

Morning

1. **Last news** about volunteers, shifts, next meetings
2. **Tools** (short introduction by Damien Turpin before the demo)
3. **Strategy and tasks**

→ list of questions to be answered today as far as possible

Afternoon

4. **General demo** by Damien Turpin (injection of false trigger, triggering of observations, data acquisition, data analysis, BA tasks using Damien tools, ...)

PRELIMINARY REMARKS

- ▶ Any volunteer to take the minutes of this meeting?
- ▶ How to share collaborative documents?
 - In order to give access to Chinese colleagues, the list of questions was written with overleaf.com (on line Latex editor) rather than GoogleDoc
 - Is there any idea about another convenient tool?

VOLUNTEERS
SHIFTS
NEXT MEETINGS

LAST NEWS

REGISTERED PEOPLE (for French side), 20 persons in total

Lab	Nb	Burst Advocates
CEA	7	A.Claret, B.Cordier, N.Dagoneau, D.Götz, J.Rodriguez, T.Sadibekova, S.Schanne
LAL	3	D.Corre, JG.Ducoin, N.Leroy
APC	2	A.Coleiro, C.Lachaud
IAP	2	M.Dennefeld, R.Duque
CPPM	1	D.Dornic
INAF	1	M-G.Bernardini
LAM	1	S.Basa
LUPM	1	F.Piron
ObAS	1	P.Maggi
Obs. Nice	1	M.Chadid

+ other people to be informed about minutes or invited to some meetings

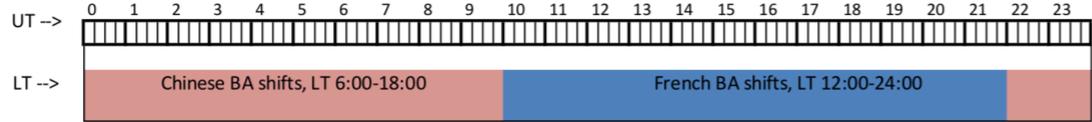
S.Vergani & J.Palmerio (GEPI), C.Surace & F.Agneray (LAM), A.Goldwurm (APC), L.Bouchet (IRAP)

TIME AND DURATION OF SHIFTS FOR O3

SUMMER in North hemisphere
WINTER in South hemisphere

Telescopes	City	DST	UTC zone	Local time (LT)
CFHT	USA (Hawai)	yes	-10	14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13
	USA (Caltech)	yes	-7	17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
TAROT	Chile	yes	-5	19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
	Spain (Canary Islands)	yes	-1	23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
TAROT	France (Calern)	yes	+2	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1
TAROT	France (La Réunion)	no	+5	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4
Ali	China (Tibet)	no	+6	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5
GWAC, C-GFT, Lijang	China (Beijing)	no	+8	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7

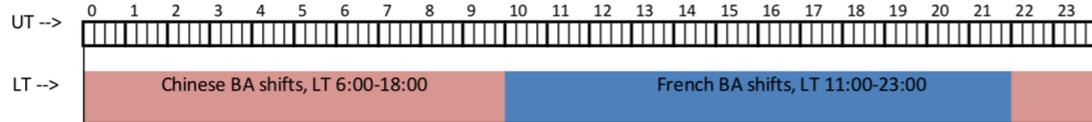
dark sky periods indicated above are very indicative (the night duration is not taken into account according to the hemisphere/season/dst night periods are slightly extended in winter zone)



WINTER in North hemisphere
SUMMER in South hemisphere

Telescopes	Time Zone	DST	UTC zone	Local time (LT)
CFHT	USA (Hawai)	yes	-10	14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13
	USA (Caltech)	yes	-8	16 17 18 19 20 21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
TAROT	Chile	yes	-3	21 22 23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
	Spain (Canary Islands)	yes	-1	23 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
TAROT	France (Calern)	yes	+1	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0
TAROT	France (La Réunion)	no	+4	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3
Ali	China (Tibet)	no	+6	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 0 1 2 3 4 5
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Summary from 2018 November meeting in Nice

- ▶ 12h/12h shifts for O3 slightly different than for Svom (14h30/9h30)
- ▶ During French shifts (12:00-24:00 in summer, 11:00-23:00 in winter), the Chinese telescopes are available for observing
- ▶ During Chinese shifts (06:00-18:00), the TAROT sites are available for observing

2 WORKSHOPS ALREADY PLANNED FOR 2019

- ▶ **Next opportunity** is the conference Nanjing meeting, 2019 May 18
 - first iteration soon after the start of O3
 - but only one day, and BA stuff will not be the only topic at this meeting
- ▶ **Following opportunity** is the Svom Scientific Workshop in Nanning, 2019 October 14-18
 - almost a full week, more complete feedback on tools is expected
 - will occur at a time when the Chinese sky is favourable for follow-up observations → importance of reporting on available (or future) tools

BA SCHOOL IN 2020

- ▶ **Following opportunity** will be the 1st BA school in France (Les Houches), 2020 March 15-20



DRAFT AGENDA TO BE DISCUSSED

- ▶ 2019 May 18 ≈ 'Progress report'
 - *Which topics to address?*
- ▶ 2019 October 14-18 ≈ 'Larger review'
 - *Review of the whole system TO-MM after several months of follow-up observations*
 - *Review of available BA tools (early stage of a BA school)*
 - *AOB: data access rights, web portal, ...*

INTRODUCTION BEFORE THE DEMO
(AFTERNOON)

TOOLS (by D.Turpin)

STRATEGY & TASKS

LIST OF QUESTIONS

TASKS

1. What are the different tasks of the BAs?
 - Ensure that the alert was received correctly at SVOM telescope sites
 - Ensure that observations have started
 - Report any technical anomaly (problem of access to the DB...)
 - Contact the 'expert' in case of emergency (Alert and Telescope experts, Data Analysis expert, Svom DataBase...)
 - Select the interesting GWAC/F60 candidates
 - Produce circulars

NOTIFICATIONS

Preliminary 'scientific' question:
on which alert the system starts? BBH-BNS?

2. How the BA can be notified that there is a new GW alert (Slack, and also WeChat? GCN?)
3. Is the BA able to monitor the F60 for manual repointing?
4. Can the BA call directly the 2m Xinglong observatory in order to ask for a ToO? Same question for Lijiang observatory?
5. Does the BA have to notify the GWAC duty scientist in case of interesting trigger?

DATA ANALYSIS AND CIRCULARS

6. Does the BAs have access to some tools to re-investigate data?
7. Are circulars generated by a tool?
8. What information should be included in the circulars?
 - a. List of authors?
 - b. Should we include observations performed at the end of the night?
 - c. In case of interesting OT, shall we wait for the end of the spectroscopy/photometry data analysis before sending the circular?

ORGANISATION

9. How the handover between the French-BA and the Chinese-BA is organised ? If yes, by telecon, wiki?
10. Should we organise some regular calls in order to review all alerts within a week? If yes, who to call?

ANY OTHER BUSINESS

11. What are the BA rights versus GWAC, duty scientists, PI?
12. What is the procedure to ask for new partners involved (GRANDMA, INTEGRAL)?
13. What is the procedure for the follow-up (how many days,)?
14. Shall we program revisits after 3, 7, 15 days, more?
15. Do we install some logbook and/or chat tools?
16. How to proceed for publications? Early publication, or intermediate results, or even later in the form of a survey?

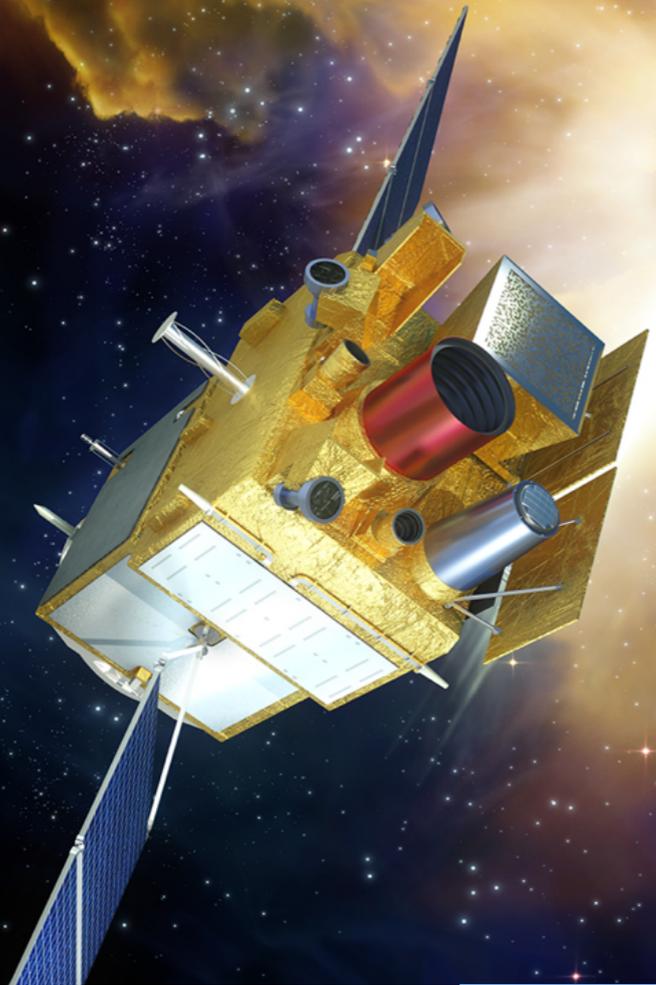
SHORT TERM ACTIONS

WRAP-UP

WRAP-UP

- ▶ Minutes of this meeting (will be available by the end of next week at best)
- ▶ Next rendez-vous is Wednesday 27th March at 9:00 (Paris time), 16:00 (Beijing time)
- ▶ Create a mailing list (on IN2P3 server)
- ▶ Define a collaborative tool for writing documents: drive or teams (Microsoft, free)
- ▶ List of BA to be provided to D.Turpin
 - ▶ 1 (main) +1 (backup) for each week and reverse the roles the following week
 - ▶ Most experimented people for first months
- ▶ Initiate the agendas for May meeting + October meeting
- ▶ Set-up a working group and initiate observing the 'observing strategy document'
- ▶ Provide tutorial of Damien's tool including screenshots

Take it easy!



Thank you
for
attending
this 1st BA
meeting

