

# **CSC BA Tools Quick Guide (V1.0)**

**Prepared by Han Xuhui on behalf of the SUSS development team  
at CSC**

**For BA Training**

# The functions available in CSC BA tools

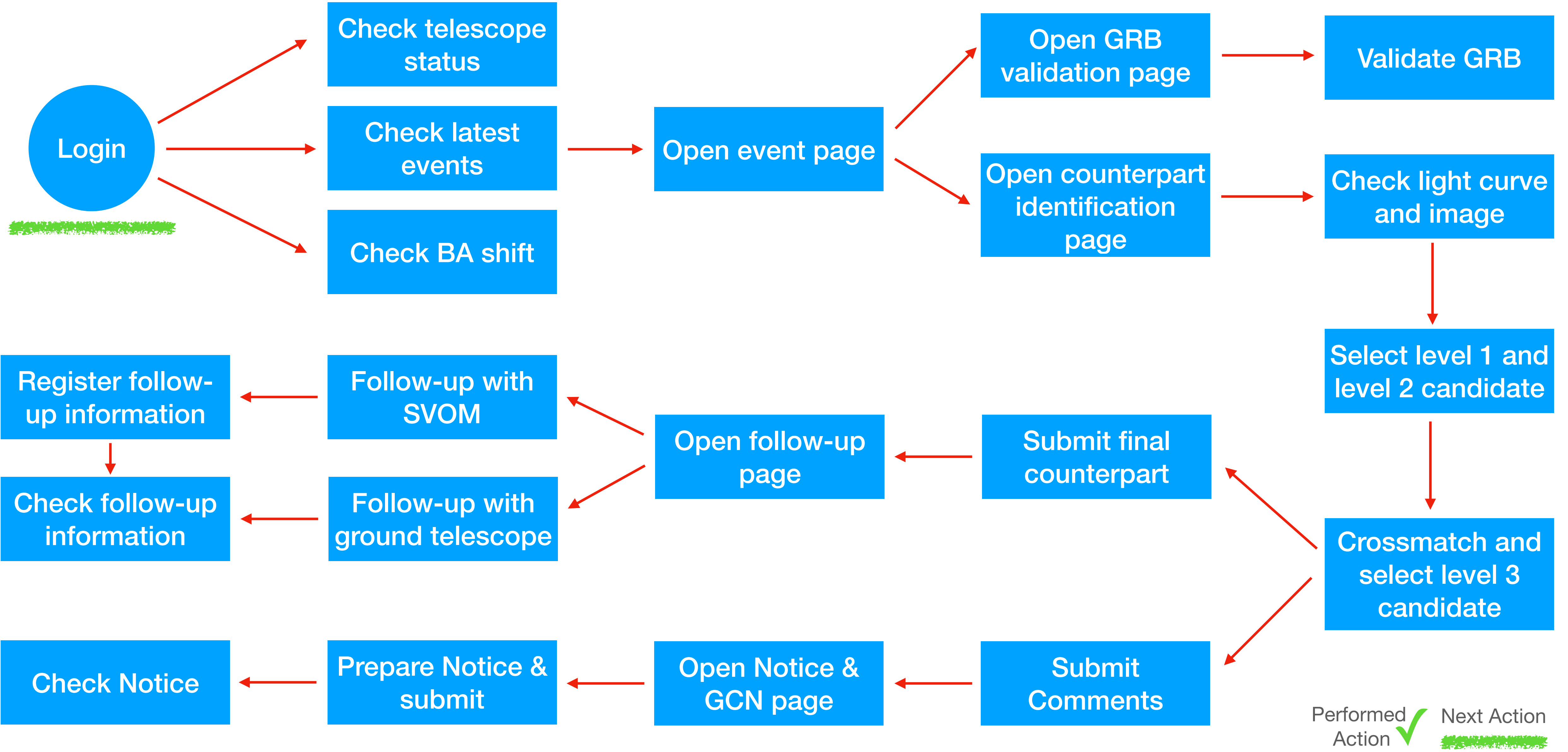
1. Login
2. BA Shift
3. GRB/GW event list
4. Details of events
5. GRB event validation
6. Optical counterpart identification in CGFT, GWAC-F60A/B images and VT images (partially)
7. Follow-up observation organization for SVOM onboard instruments, CGFT, GWAC-F60A/B
8. SVOM Notice preparation for CGFT

# The functions under development

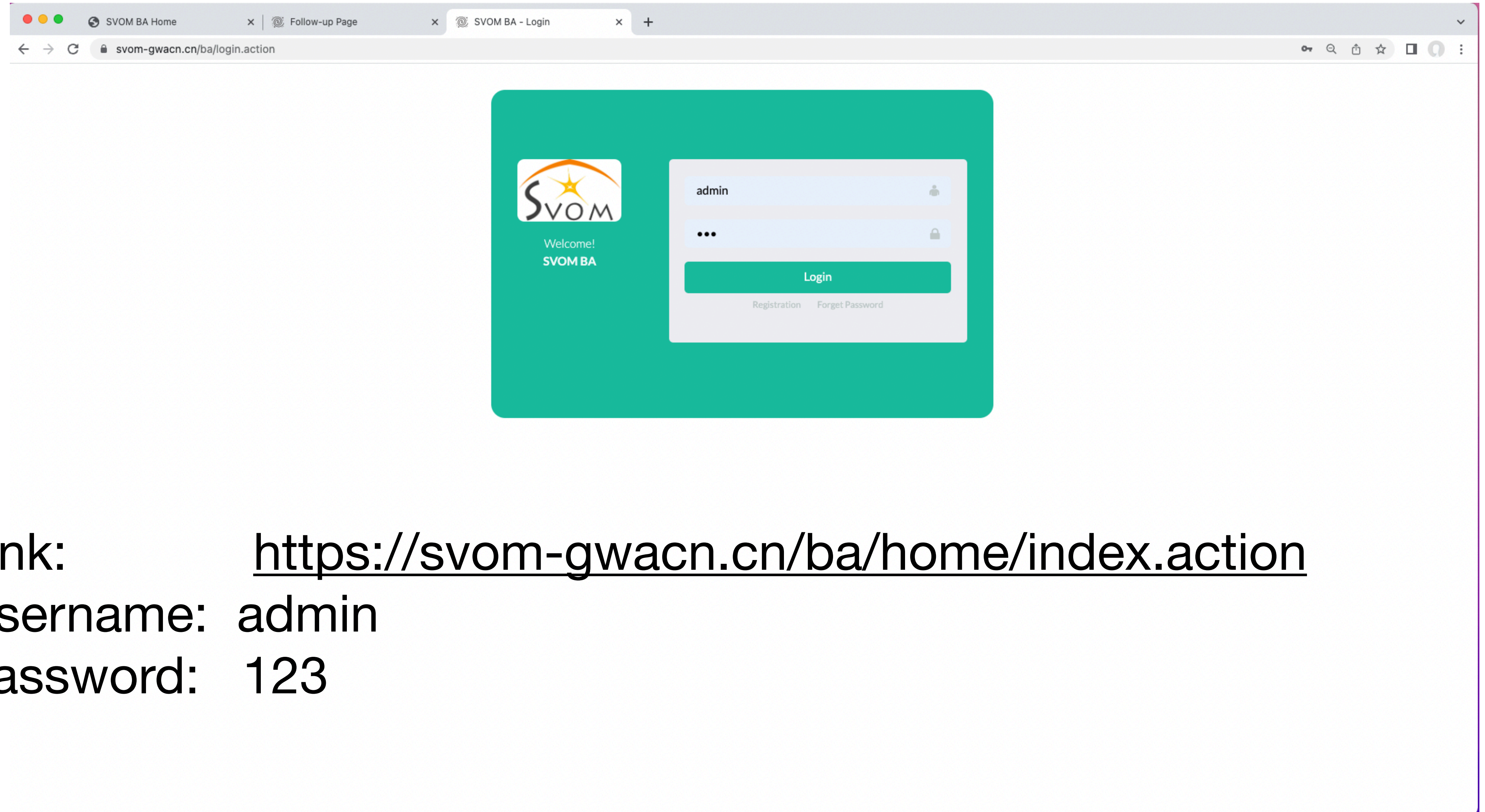
- Real-time status of follow-up telescopes
- Optical counterpart identification in FGFT, VT images
- Follow-up observation organization for FGFT, extended telescopes
- Follow-up data uploads
- GCN Circular preparation



# Working with CSC BA tools



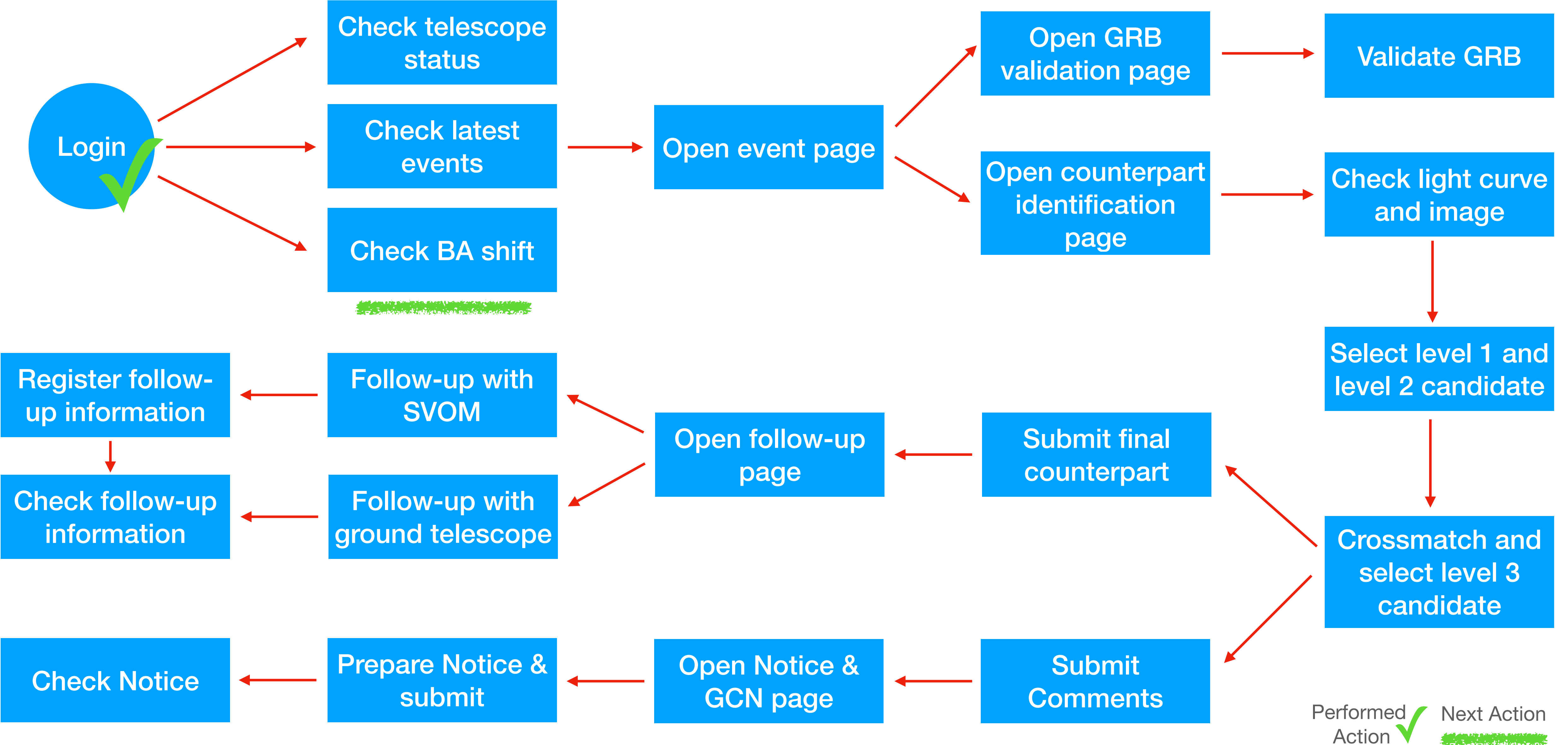
# 1. Login



- Link: <https://svom-gwacn.cn/ba/home/index.action>
- Username: admin
- Password: 123



# Working with CSC BA tools



# 2. BA Shift

SVOM BA Home

Follow-up Page

SVOM BA Home

svom-gwacn.cn/ba/home/index.action

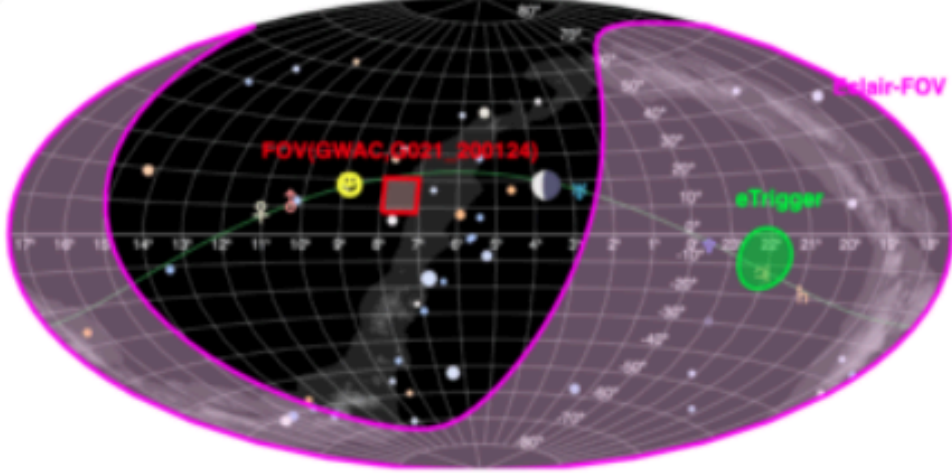
iFSC-Tools

MC Tools

Science Data Product

Mission Status

Follow-Up System Status



\*Trigger map



\*Follow-Up telescope map

Event:

ALL

SVOM GRB

Other GRB

GW

Event Page

| Mission | Trigger name  | Event name   | Trigger time     | Lastest RA (J2000) | Lastest DEC (J2000) | Err        | Source type | BA |
|---------|---------------|--------------|------------------|--------------------|---------------------|------------|-------------|----|
| SVOM    | test202205514 | GRB20220516A | 2024-02-23T13... | 11:19:07.200       | +03:06:00.04        | 0.2        |             |    |
| SVOM    | sb240122954   | GRB240122j   | 2024-01-22T13... | 11:19:07.006       | +03:06:36.09        | 0.2        |             |    |
| Swift   | 1105561       |              | 2022-05-06T12... | 20:00:12.957       | +34:52:27.84        | 0          |             |    |
| Swift   | 14474547      |              |                  | 00:00:00.000       | +00:00:00.00        | 0          |             |    |
| Swift   | 1105560       |              |                  | 20:00:14.495       | +34:53:54.59        | 0          |             |    |
| SVOM    | sb22050651    | lxtest1211   | 2022-05-06T12... | 20:00:12.964       | +34:52:27.84        | 0.1056939  |             |    |
| SVOM    | sb22050650    |              | 2022-05-06T12... | 20:00:14.590       | +34:52:50.56        | 0.05002015 |             |    |
| Swift   | 1104842       |              | 2022-05-01T19... | 05:42:18.481       | +14:02:00.24        | 0          |             |    |

Latest Alert received at:2022-05-14T01:18:45 : unvalidate

BA Shift

On duty

Stand by

BA Shift Page

| BA          | Side | Status   | On duty (UT)        | Off duty (UT)       | Time to handover |
|-------------|------|----------|---------------------|---------------------|------------------|
| Jing Wang   | CN   | Stand by | 2022-05-17T07:00:00 | 2022-05-17T09:00:00 | 0D16H23M         |
| Xuhui Han   | CN   | Stand by | 2022-05-18T07:00:00 | 2022-05-18T09:00:00 | 1D16H23M         |
| Dawei Xu    | CN   | Stand by | 2022-05-19T07:00:00 | 2022-05-19T09:00:00 | 2D16H23M         |
| Huali Li    | CN   | Stand by | 2022-05-20T07:00:00 | 2022-05-20T09:00:00 | 3D16H23M         |
| Guangwei Li | CN   | Stand by | 2022-05-21T07:00:00 | 2022-05-21T09:00:00 | 4D16H23M         |
| Jianyan Wei | CN   | Stand by | 2022-05-22T07:00:00 | 2022-05-22T09:00:00 | 5D16H23M         |
| Liping Xin  | CN   | Stand by | 2022-05-23T07:00:00 | 2022-05-23T09:00:00 | 6D16H23M         |
| Jing Wang   | CN   | Stand by | 2022-05-24T07:00:00 | 2022-05-24T09:00:00 | 7D16H23M         |

\*BA Shift

UT: 2022-05-16 16:37:36

BJT: 2022-05-17 00:37:36

CEST: 2022-05-16 18:37:36

BA Calendar

2022/05/17

<

May 2022

>

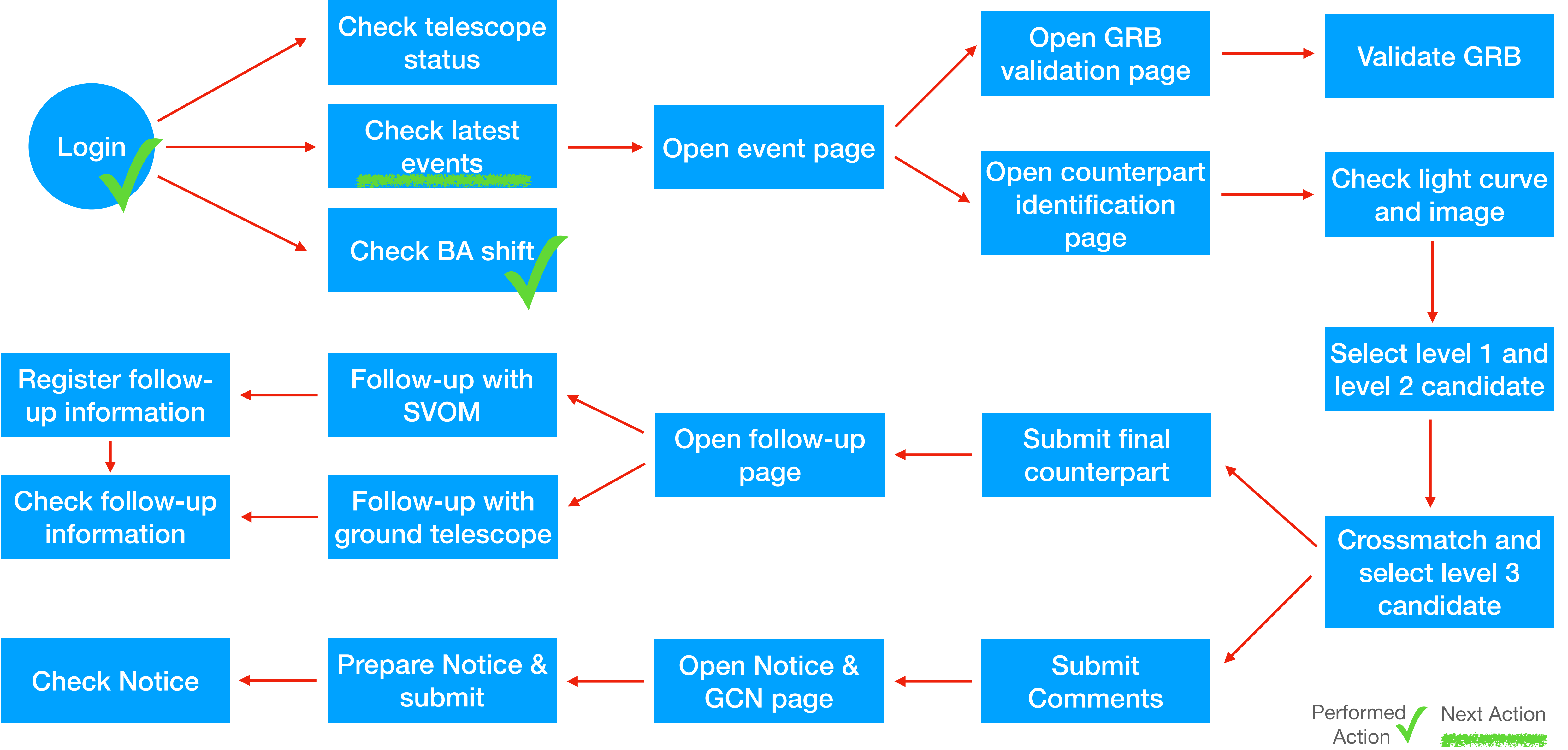
| Sun               | Mon              | Tue             | Wed             | Thu            | Fri            | Sat               |
|-------------------|------------------|-----------------|-----------------|----------------|----------------|-------------------|
| 24<br>Guangwei Li | 25               | 26              | 27              | 28             | 29             | 30                |
| 1                 | 2                | 3               | 4               | 5              | 6              | 7                 |
| 8<br>Jianyan Wei  | 9<br>Liping Xin  | 10<br>Jing Wang | 11<br>Xuhui Han | 12<br>Dawei Xu | 13<br>Huali Li | 14<br>Guangwei Li |
| 15<br>Jianyan Wei | 16<br>Liping Xin | 17<br>Jing Wang | 18<br>Xuhui Han | 19<br>Dawei Xu | 20<br>Huali Li | 21<br>Guangwei Li |
| 22<br>Jianyan Wei | 23<br>Liping Xin | 24<br>Jing Wang | 25<br>Xuhui Han | 26<br>Dawei Xu | 27<br>Huali Li | 28<br>Guangwei Li |
| 29                | 30               | 31              | 1               | 2              | 3              | 4                 |

\*BA shift can be managed in 'My Account'.

Latest BA Shift in the left panel

BA Calendar in the right panel

# Working with CSC BA tools





# 3. GRB/GW event list

SVOM BA Home

svom-gwacn.cn/ba/home/index.action

SVOM BA Home

News

Help

Feedback

My Account: admin

Logout

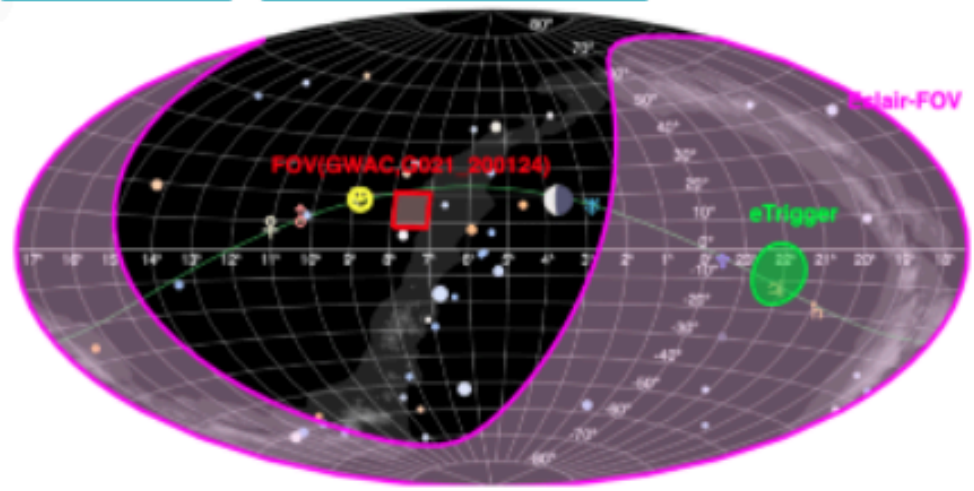
ifSC-Tools

MC Tools

Science Data Product

Mission Status

Follow-Up System Status



\*Trigger map



\*Follow-Up telescope map

Event: ALL SVOM GRB Other GRB GW

Event Page

| Mission | Trigger name  | Event name   | Trigger time           | Lastest RA (J2000) | Lastest DEC (J2000) | Err        | Source type | BA |
|---------|---------------|--------------|------------------------|--------------------|---------------------|------------|-------------|----|
| SVOM    | test202205514 | GRB20220516A | 2024-02-23T13:...      | 11:19:07.200       | +03:06:00.04        | 0.2        |             |    |
| SVOM    | sb240122954   | GRB240122j   | 2024-01-22T13:00:01... | 11:19:07.006       | +03:06:36.09        | 0.2        |             |    |
| Swift   | 1105561       |              | 2022-05-06T12:15:46... | 20:00:12.957       | +34:52:27.84        | 0          |             |    |
| Swift   | 14474547      |              |                        | 00:00:00.000       | +00:00:00.00        | 0          |             |    |
| Swift   | 1105560       |              |                        | 20:00:14.495       | +34:53:54.59        | 0          |             |    |
| SVOM    | sb22050651    | lxtest1211   | 2022-05-06T12:15:46... | 20:00:12.964       | +34:52:27.84        | 0.1056939  |             |    |
| SVOM    | sb22050650    |              | 2022-05-06T12:11:58... | 20:00:14.590       | +34:52:50.56        | 0.05002015 |             |    |
| Swift   | 1104842       |              | 2022-05-01T19:51:51... | 05:42:18.481       | +14:02:00.24        | 0          |             |    |
| Swift   | 1104692       |              |                        | 06:30:27.025       | +09:32:50.28        | 0.0005     |             |    |
| Swift   | 1104343       |              |                        | 18:23:26.448       | -56:15:05.40        | 0          |             |    |

Latest Alert received at:2022-05-14T01:18:45

: unvalidate

BA Shift

On duty Stand by

BA Shift Page

| BA          | Side | Status   | On duty (UT)        | Off duty (UT)       | Time to handover |
|-------------|------|----------|---------------------|---------------------|------------------|
| Jing Wang   | CN   | Stand by | 2022-05-17T07:00:00 | 2022-05-17T09:00:00 | 0D16H19M         |
| Xuhui Han   | CN   | Stand by | 2022-05-18T07:00:00 | 2022-05-18T09:00:00 | 1D16H19M         |
| Dawei Xu    | CN   | Stand by | 2022-05-19T07:00:00 | 2022-05-19T09:00:00 | 2D16H19M         |
| Huali Li    | CN   | Stand by | 2022-05-20T07:00:00 | 2022-05-20T09:00:00 | 3D16H19M         |
| Guangwei Li | CN   | Stand by | 2022-05-21T07:00:00 | 2022-05-21T09:00:00 | 4D16H19M         |
| Jianyan Wei | CN   | Stand by | 2022-05-22T07:00:00 | 2022-05-22T09:00:00 | 5D16H19M         |
| Liping Xin  | CN   | Stand by | 2022-05-23T07:00:00 | 2022-05-23T09:00:00 | 6D16H19M         |
| Jing Wang   | CN   | Stand by | 2022-05-24T07:00:00 | 2022-05-24T09:00:00 | 7D16H19M         |

UT: 2022-05-16 16:42:04

BJT: 2022-05-17 00:42:04

CEST: 2022-05-16 18:42:04

Event: ALL SVOM GRB Other GRB GW

Import Event Advance Search

Show 10 entries

| Mission | Trigger name  | Event name   | Trigger time           | Lastest RA (J2000) | Lastest DEC (J2000) | Err        | Source type | BA |
|---------|---------------|--------------|------------------------|--------------------|---------------------|------------|-------------|----|
| SVOM    | test202205514 | GRB20220516A | 2024-02-23T13:18:34... | 11:19:07.200       | +03:06:00.04        | 0.2        |             |    |
| SVOM    | sb240122954   | GRB240122j   | 2024-01-22T13:00:01... | 11:19:07.006       | +03:06:36.09        | 0.2        |             |    |
| Swift   | 1105561       |              | 2022-05-06T12:15:46... | 20:00:12.957       | +34:52:27.84        | 0          |             |    |
| Swift   | 14474547      |              |                        | 00:00:00.000       | +00:00:00.00        | 0          |             |    |
| Swift   | 1105560       |              |                        | 20:00:14.495       | +34:53:54.59        | 0          |             |    |
| SVOM    | sb22050651    | lxtest1211   | 2022-05-06T12:15:46... | 20:00:12.964       | +34:52:27.84        | 0.1056939  |             |    |
| SVOM    | sb22050650    |              | 2022-05-06T12:11:58... | 20:00:14.590       | +34:52:50.56        | 0.05002015 |             |    |
| Swift   | 1104842       |              | 2022-05-01T19:51:51... | 05:42:18.481       | +14:02:00.24        | 0          |             |    |
| Swift   | 1104692       |              |                        | 06:30:27.025       | +09:32:50.28        | 0.0005     |             |    |
| Swift   | 1104343       |              |                        | 18:23:26.448       | -56:15:05.40        | 0          |             |    |

Latest Alert received at: 2022-05-14T01:18:45

: unvalidate

Showing 1 to 10 of 141 entries

Previous 1 2 3 4 5 ... 15 Next

Alert list:

\* 2021-06-01T13:18:34 ID: 999998.test202205514 is a SVOM GRB trigger (N1 notice (data from ECLAIRs)) . RA: 11:19:07.200, Dec: +03:06:00.04.

\* 2024-01-22T13:00:01.410000 ID: 99999.sb240122954 is a SVOM GRB trigger (N1 notice (data from ECLAIRs)) . RA: 11:19:07.006, Dec: +03:06:36.09.

\* 2022-05-06T12:15:46.91 ID: 39867.1105561 is a Swift GRB trigger (The BAT lightcurve for the original trigger) . RA: 20:00:12.957, Dec: +34:52:27.84.

\* 2022-512-1081078248T11:19:26.00 ID: 39866.14474547 is a Swift GRB trigger (The UVOT Procesed Image for the original BAT trigger) . RA: 00:00:00.000, Dec: +00:00:00.00.

\* 2022-512-1081078248T11:19:26.00 ID: 39865.14474547 is a Swift GRB trigger (The UVOT Image for the original BAT trigger) . RA: 00:00:00.000, Dec: +00:00:00.00.

\* 2022-05-06T12:23:38.82 ID: 39864.1105560 is a Swift GRB trigger . RA: 20:00:14.495, Dec: +34:53:54.59.

\* 2022-05-06T12:23:38.82 ID: 39863.1105560 is a Swift GRB trigger . RA: 20:00:14.495, Dec: +34:53:54.59.

\* 2022-05-06T12:12:01.91 ID: 39862.1105560 is a Swift GRB trigger . RA: 20:00:14.473, Dec: +34:53:54.97.

\* 2022-05-06T12:12:01.91 ID: 39861.1105560 is a Swift GRB trigger . RA: 20:00:14.473, Dec: +34:53:54.97.

\* 2022-05-06T12:15:46.91 ID: 39860.1105561 is a Swift GRB trigger (The BAT lightcurve for the original trigger) . RA: 20:00:12.957, Dec: +34:52:27.84.

\* 2022-05-06T12:15:46.91 ID: 39859.1105561 is a Swift GRB trigger (The BAT lightcurve for the original trigger) . RA: 20:00:12.957, Dec: +34:52:27.84.

\* 2022-05-06T12:15:46.91 ID: 39858.1105561 is a Swift GRB trigger (The BAT lightcurve for the original trigger) . RA: 20:00:12.957, Dec: +34:52:27.84.

1

2

3

\*Detail information subpage

All events & alert in the right panel



# 3. GRB/GW event list

- Unvalidated events are marked with “🔔”
- Search events using “🔍Advance Search”

Event: 

ALL

SVOM GRB

Other GRB

GW

⊕Import Event

🔍Advance Search

Show 

10

 entries

| Mission | Trigger name  | Event name | Trigger time           | Lastest RA (J2000) | Lastest DEC (J2000) |
|---------|---------------|------------|------------------------|--------------------|---------------------|
| SVOM    | test202205514 |            | 2024-02-23T13:18:34... | 11:19:07.200       | +03:06:00.04        |
| SVOM    | sb240122954   | GRB240122j | 2024-01-22T13:00:01... | 11:19:07.006       | +03:06:36.09        |
| Swift   | 1105561       |            | 2022-05-06T12:15:46... | 20:00:12.957       | +34:52:27.84        |
| Swift   | 14474547🔔     |            |                        | 00:00:00.000       | +00:00:00.00        |
| Swift   | 1105560🔔      |            |                        | 20:00:14.495       | +34:53:54.59        |
| SVOM    | sb22050651    | lxtest1211 | 2022-05-06T12:15:46... | 20:00:12.964       | +34:52:27.84        |
| SVOM    | sb22050650🔔   |            | 2022-05-06T12:11:58... | 20:00:14.590       | +34:52:50.56        |
| Swift   | 1104842🔔      |            | 2022-05-01T19:51:51... | 05:42:18.481       | +14:02:00.24        |
| Swift   | 1104692🔔      |            |                        | 06:30:27.025       | +09:32:50.28        |
| Swift   | 1104343🔔      |            |                        | 18:23:26.448       | -56:15:05.40        |

Latest Alert received at: 2022-05-14T01:18:45

🔔 : unvalidate

Showing 1 to 10 of 141 entries

Mission:

Event Type:

Trigger Name:

Event Name:

Online / Offline:

All

Time Window for Alert (Begin-End):

Begin:YYYY/MM/DD

—

End:YYYY/MM/DD

Latest Ra:

Latest Dec:

Radius(deg):

BA:

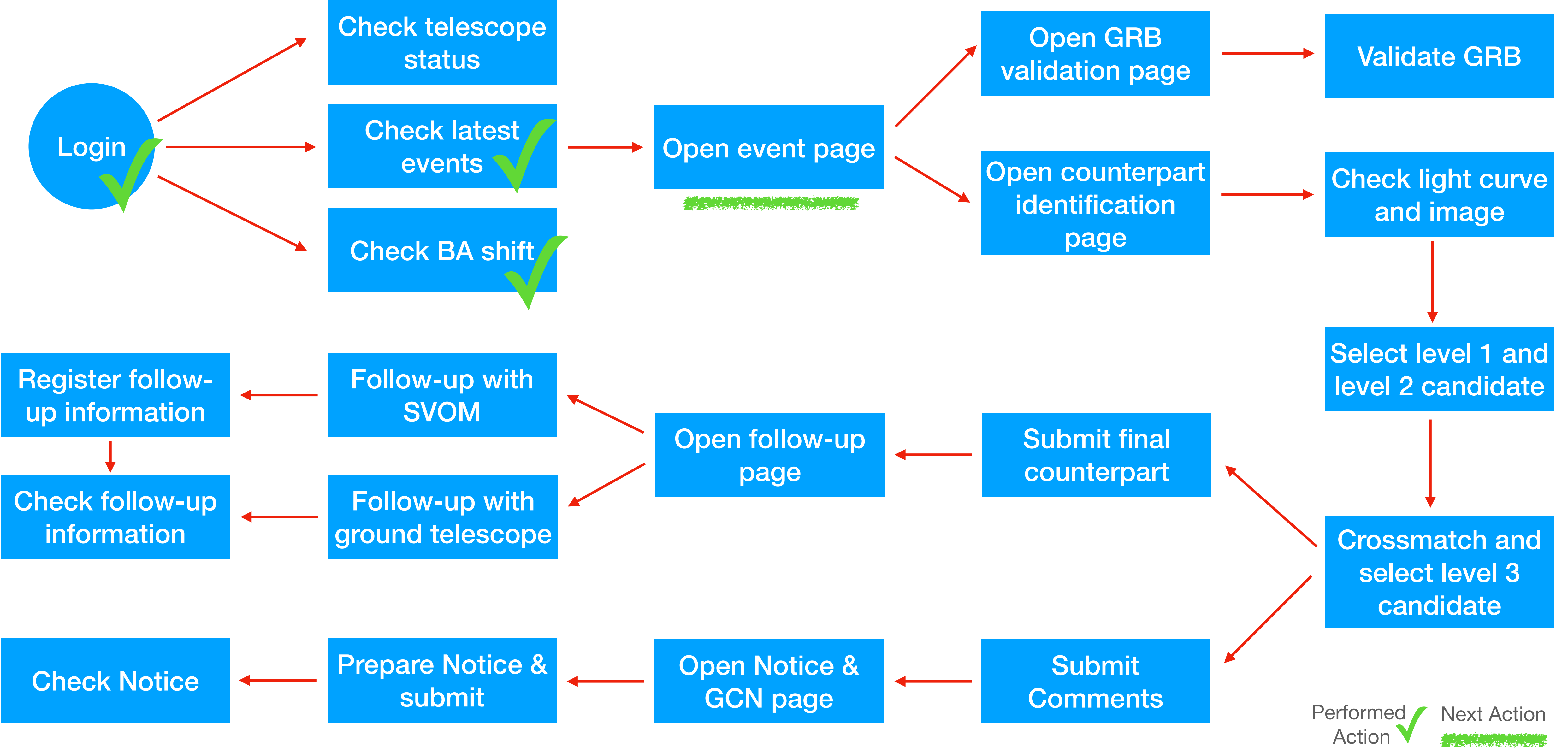
Search

Reset

Back

Advance Search

# Working with CSC BA tools



# 4. Event page

| Mission | Trigger name  | Event name   | Trigger time     | Lastest RA (J2000) | Lastest DEC (J2000) | Err       | S |
|---------|---------------|--------------|------------------|--------------------|---------------------|-----------|---|
| SVOM    | test202205514 | GRB20220516A | 2024-02-23T13... | 11:19:07.200       | +03:06:00.04        | 0.2       |   |
| SVOM    | sb240122954   | GRB240122j   | 2024-01-22T13... | 11:19:07.006       | +03:06:36.09        | 0.2       |   |
| SVOM    | sb22051734    |              |                  | 11:19:07.006       | +03:06:36.09        | 0.2       |   |
| SVOM    | sb22051733    |              |                  | 11:19:07.006       | +03:06:36.09        | 0.2       |   |
| Swift   | 1105561       |              | 2022-05-06T12... | 20:00:14.495       | +34:53:54.59        | 0         |   |
| Swift   | 14474547      |              |                  | 00:00:00.000       | +00:00:00.00        | 0         |   |
| Swift   | 1105560       |              |                  | 20:00:14.495       | +34:53:54.59        | 0         |   |
| SVOM    | sb22050651    | lptest1211   | 2022-05-06T12... | 20:00:12.964       | +34:52:27.84        | 0.1056939 |   |

Click “trigger name” to open an event page

SVOM BA Home

svom-gwacn.cn/ba/event/details.action?eventId=9998

SVOM BA Home

News

Help

Feedback

My Account: admin

Logout

Back to Mainpage

Validation page for sb240122954

UT: 2022-05-16 16:41:13

BJT: 2022-05-17 00:41:13

CEST: 2022-05-16 18:41:13

iFSC-Tools

Event and Comments

Counterparts

Observations

Notice & GCN Circular

Data

Process logs

Event :

Validate GRB

Comments

| Mission | Trigger Name | Event name | SVOM Burst ID | Online / Offline | Source Type | Detector     | Trigger Time (T0,UT)    | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status |
|---------|--------------|------------|---------------|------------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |                  |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

Columns

Alert Detail :

| Alert Time (UT)            | Alert ID | Alert Type                    | Alert Number | Alert Instrument | RA (J2000)   | Dec (J2000)  | Error | Duration | SNR | Event Proba | Alert Status URL |
|----------------------------|----------|-------------------------------|--------------|------------------|--------------|--------------|-------|----------|-----|-------------|------------------|
| 2024-01-22T13:00:01.410000 | 99999    | N1 notice (data from ECLAIRs) | 1            | Svom-Eclairs     | 11:19:07.006 | +03:06:36.09 | 0.2   |          | 6.3 | 1           |                  |

Columns

Showing 1 to 1 of 1 entries

Previous1Next

Counterpart list

Validate Counterpart

Comments

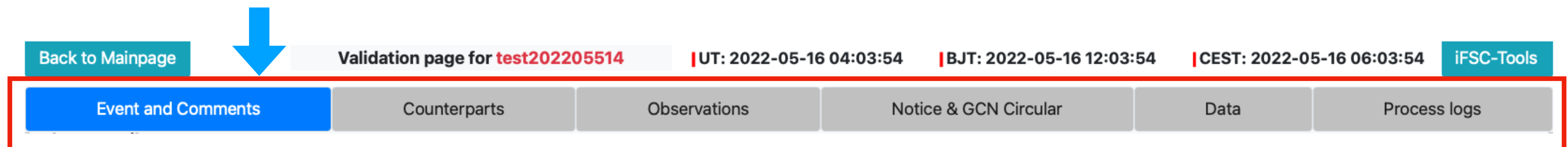
| ID                       | Name | Detection Time (UT)                  | DT-T0(s.)           | RA (J2000) | Dec (J2000) | Err          | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation                                        |
|--------------------------|------|--------------------------------------|---------------------|------------|-------------|--------------|-------------|---------|------------------------------|----------|--------------------------------------------------|
| <input type="checkbox"/> | 14   | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77      | 11:19:49.93 | +03:01:12.18 | 1.0000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> |
| <input type="checkbox"/> | 20   | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77      | 11:19:41.29 | +02:57:27.47 | 1.0000      |         | CGFT                         | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> |
| <input type="checkbox"/> | 23   | sb240122954_GRB240122j_1705928461_23 | 2024-01-22T13:01:01 | 59.77      | 11:19:49.93 | +03:01:12.18 | 1.0000      |         | CGFT                         | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> |

Event page

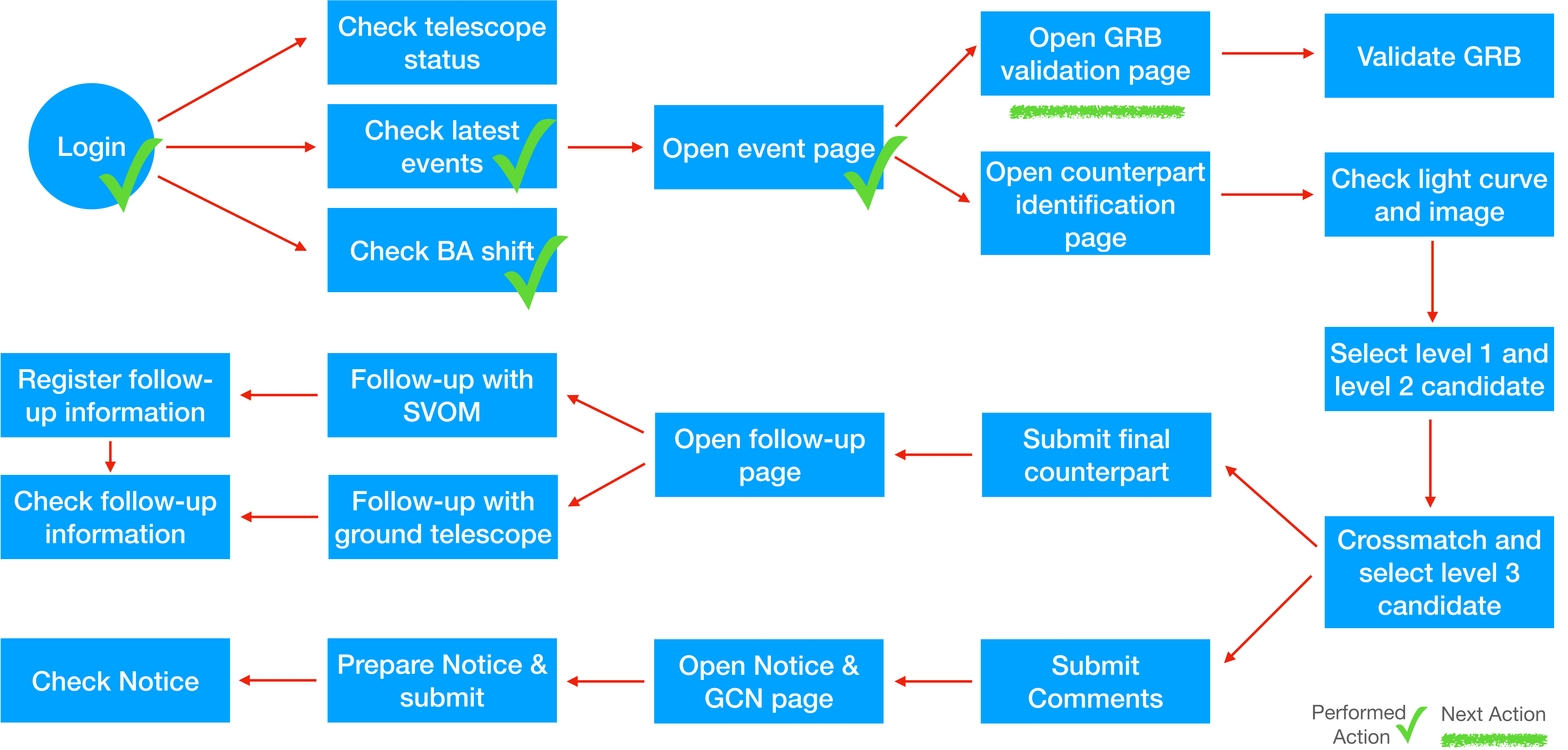


## 4. Event page

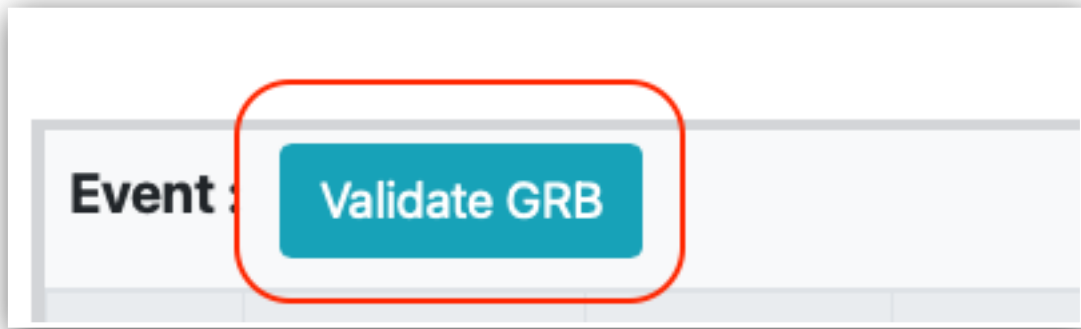
- All information concerning one event is given in this page
- The information is grouped into six parts:
  - “Event and Comments” : event, alert information, GRB validation and comments
  - “Counterparts” : data displaying and optical counterpart validation
  - “Observations”: follow-up observation organization and records
  - “Notice & GCN Circular”: SVOM notice and GCN circular preparation and records
  - “Data”: follow-up data uploads and downloading services (unavailable yet)
  - “Process logs”: processing logs (unavailable yet)
- Click links to quickly switch sections



# Working with CSC BA tools



# 5. GRB validation



← Click here to open the GRB validation page

SVOM BA Home

svom-gwacn.cn/ba/event/validation-and-comments.action?eventId=9998

SVUSS HomeNewsHelpFeedback

My Account: admin | Logout

Back to MainpageBack to Event Page

Validation page for **sb240122954**

UT: 2022-05-16 16:43:30BJT: 2022-05-17 00:43:30CEST: 2022-05-16 18:43:30

iFSC-Tools

Event :

Event Name:

SVOM Burst ID:

☒Real☐False

Submit

Comments

| Mission | Trigger Name | Event Name | SVOM Burst ID | Online / Offline | Source Type | Detector     | Trigger Time (T0)       | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status |
|---------|--------------|------------|---------------|------------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |                  |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

Columns ▾

Comments on Event :

Text Area

Submit Comments

Alert Detail :

| Alert Time                 | Alert ID | Alert Type                    | Alert Number | Alert Instrument | Ra (J2000)   | Dec (J2000)  | Error | Duration | SNR | Event Proba | Alert Status URL |
|----------------------------|----------|-------------------------------|--------------|------------------|--------------|--------------|-------|----------|-----|-------------|------------------|
| 2024-01-22T13:00:01.410000 | 99999    | N1 notice (data from ECLAIRS) | 1            | Svom-Eclairs     | 11:19:07.006 | +03:06:36.09 | 0.2   |          | 6.3 | 1           |                  |

Columns ▾

Showing 1 to 1 of 1 entries

Previous

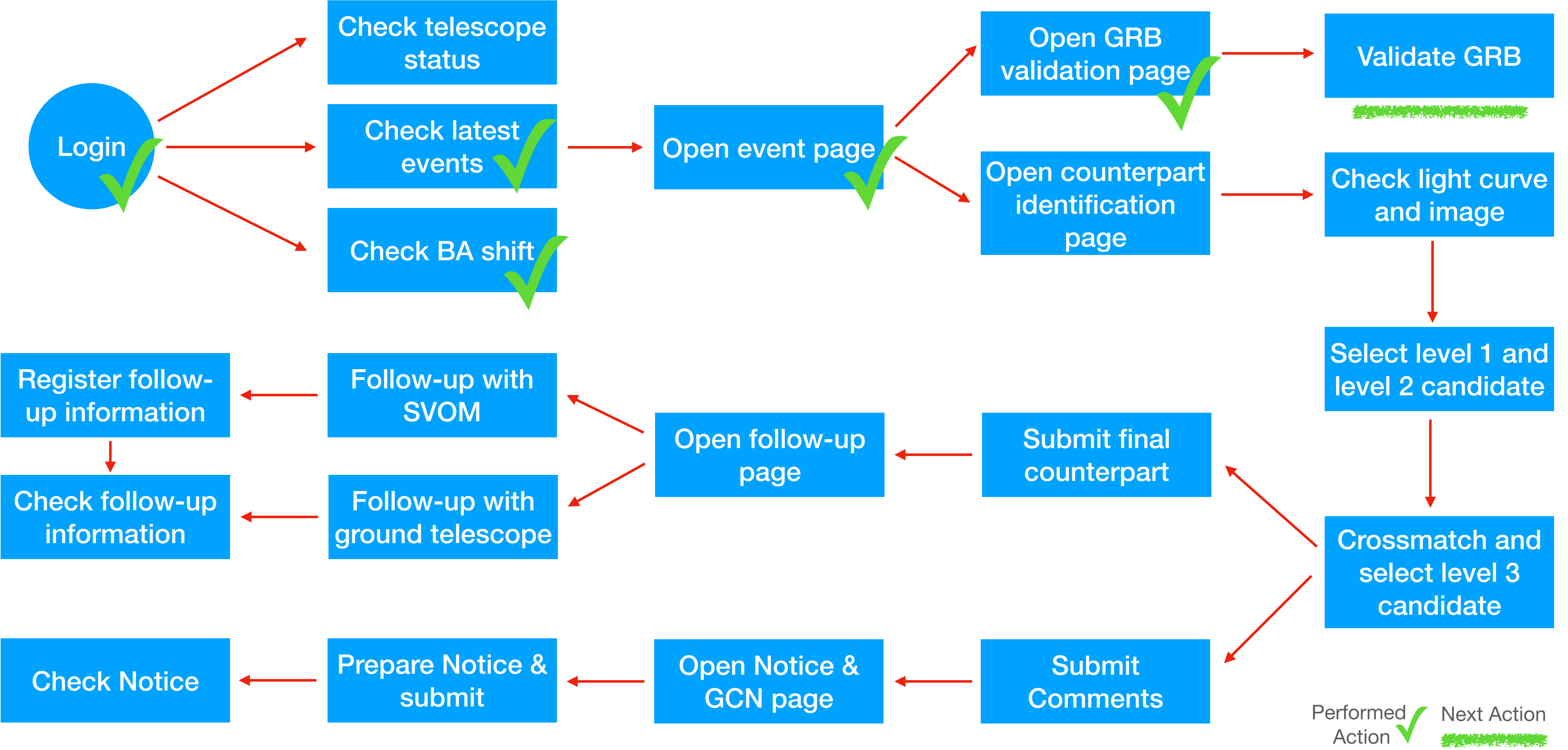
1

Next

GRB validation page



# Working with CSC BA tools



# 5. GRB validation

- BA needs to name a GRB if it is not named.
- BA can link other instrument's GRB to the SVOM GRB.
- BA judge the GRB
- BA can give comments about the event

Event Name:

Please type Event Name

SVOM Burst ID:

sb202205514

☒ Real

☐ False

Submit

Comments

Comments on Event :

Text Area

Submit Comments

# 5. GRB validation

- The validation status is shown at

| Polar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status |
|------------|------------------|--------------------|--------|----|-------------------|
| 2.2548     | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

- All comments can be checked at

SVOM Burst ID: sb240122954

☒ Real ☐ False

Submit

Comments

Comments

2022-05-14T20:02:23

admin

test1

2022-05-14T20:02:54

admin

test from ipad

2022-05-14T20:04:48

admin

111

2022-05-14T20:14:59

admin

test

2022-05-14T20:23:24

admin

test comment

2022-05-15T20:13:18

admin

comments from HXH

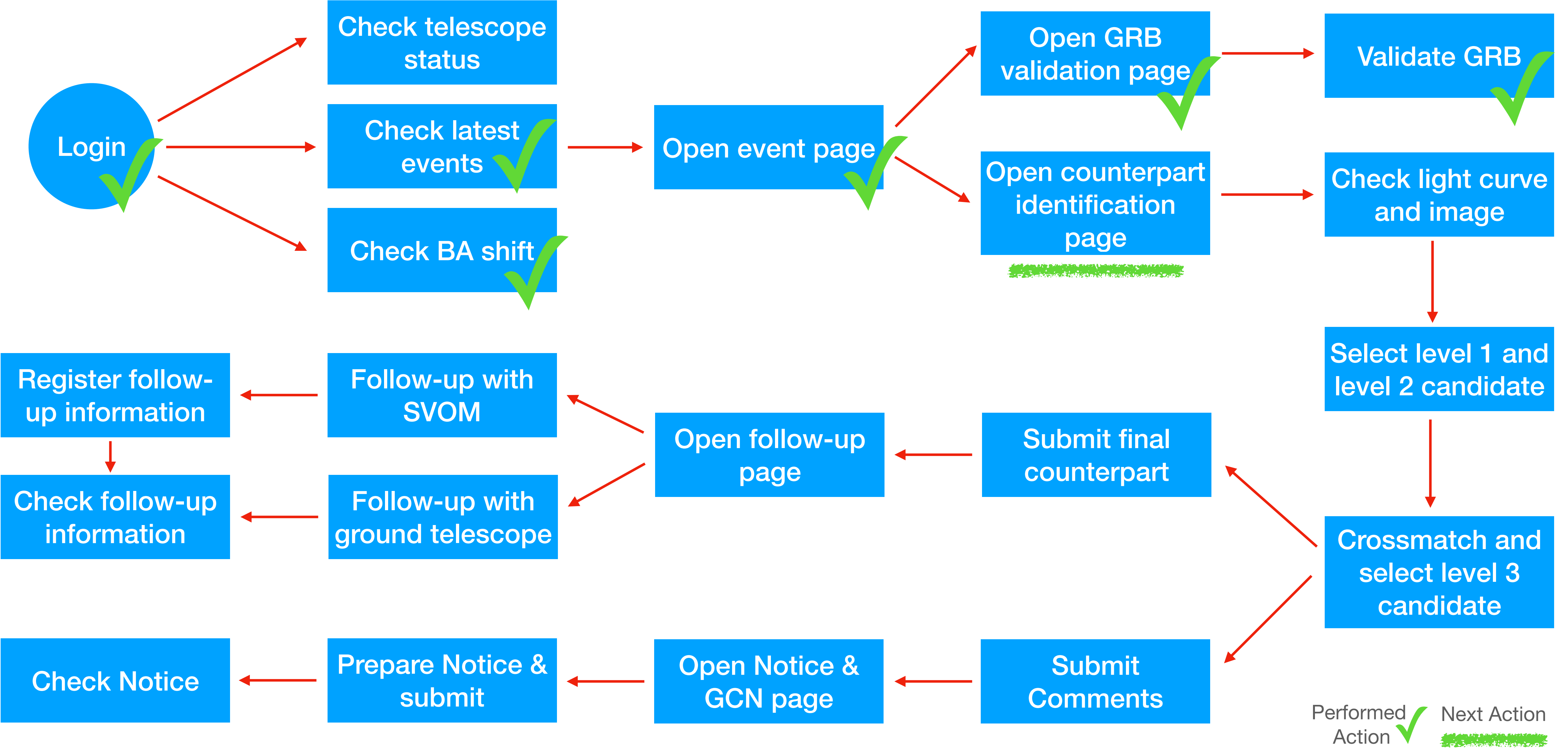
2022-05-15T20:19:09

admin

renamed by HXH



# Working with CSC BA tools



# 6. Counterpart identification

Validation

svom-gwacn.cn/ba/validation/main.action?eventId=9998

SUSS Home

News

Help

Feedback

My Account: admin

Logout

Back to Main Page

Back to Event Page

Validation for sb240122954

UT: 2022-05-16 16:44:32 | BJT: 2022-05-17 00:44:32 | CEST: 2022-05-16 18:44:32

iFSC-tools

Event

Comments

| Mission | Trigger Name | Event Name | SVOM Burst ID | On/Off line | Source Type | Detector     | Trigger Time (UT)       | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status | Operation               |
|---------|--------------|------------|---------------|-------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|-------------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |             |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              | <div>Validate GRB</div> |

Counterpart

Comments

| ID | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation                                        |   |   |
|----|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|--------------------------------------------------|---|---|
| 14 | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> | ⊖ | ⊕ |
| 20 | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 | 0.2088      |         | CGFT                         | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> | ⊖ | ⊕ |
| 23 | sb240122954_GRB240122j_1705928461_23 | 2024-01-22T13:01:01 | 59.77     | 11:19:39.77 | +02:56:08.56 | 1.0000 | 0.2213      |         | CGFT                         | admin    | <div>Follow-up</div> <div>Notice &amp; GCN</div> | ⊖ | ⊕ |

Telescopes

CGFT GWAC-F60A GWAC-F60B VT

Joint analysis for candidates (Level 2)

Manual import data

Crossmatch radius: 3 arcsec. 

Correlation / Submit

Re-select

Columns

|                          | ID | Inst | DT(UT)              | T-T0(s.) | RA (J2000) | Dec (J2000) | Err   | Dis.Eclair | Dis.MXT | N_dete. | AMP. | CL1    |   |   |
|--------------------------|----|------|---------------------|----------|------------|-------------|-------|------------|---------|---------|------|--------|---|---|
| <input type="checkbox"/> | 50 | CGFT | 2024-01-22T13:01:01 | 59.77    | 169.90982  | 2.92305     | 1.000 | 0.2280     |         | 18      |      | g_1650 | ⊖ | ⊕ |
| <input type="checkbox"/> | 51 | CGFT | 2024-01-22T13:01:01 | 59.77    | 169.91573  | 2.93571     | 1.000 | 0.2213     |         | 18      |      | g_1645 | ⊖ | ⊕ |
| <input type="checkbox"/> | 55 | CGFT | 2024-01-22T13:01:36 | 94.77    | 169.92206  | 2.95763     | 1.000 | 0.2088     |         | 10      | 0.41 | g_1660 | ⊖ | ⊕ |

Candidate list (Level 3)

Data visulization

| No. | RA (J2000) | Dec (J2000) | Err    | Dis.Eclair | Dis.MXT | VT | CGFT | GWA |
|-----|------------|-------------|--------|------------|---------|----|------|-----|
| 1   | 169.9581   | 3.0201      | 1.0000 | 0.2000     |         | N  | Y    | N   |

Validation for CGFT

Candidates (Level 1)

Select Filter: g i r

g\_1645

g\_1646

g\_1647

g\_1648

g\_1649

g\_1650

g\_1651

g\_1652

Add

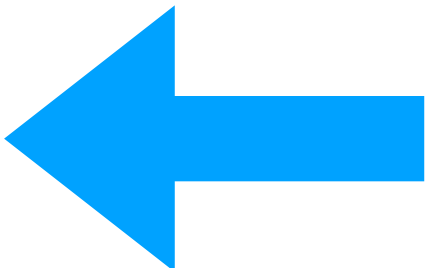
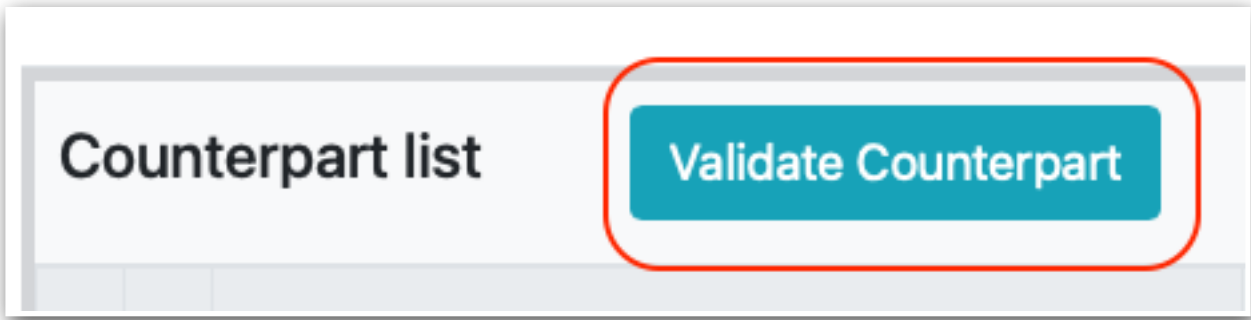
Light Curve

Details

Columns

Counterpart validation page

# 6. Counterpart identification



Click here to identify optical counterparts

- Event information is shown at

| Event   |              |            |               |             |             |              |                         |     |              |              |     |     |            |                  |                    |        | Comments             |
|---------|--------------|------------|---------------|-------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----------------------|
| Mission | Trigger Name | Event Name | SVOM Burst ID | On/Off line | Source Type | Detector     | Trigger Time (UT)       | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | Validation BA Status |
| SVOM    | sb240122954  | GRB240122j | sb240122954   |             |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   | tr                   |

- Identified counterparts are shown at
- Click telescope name to show the data

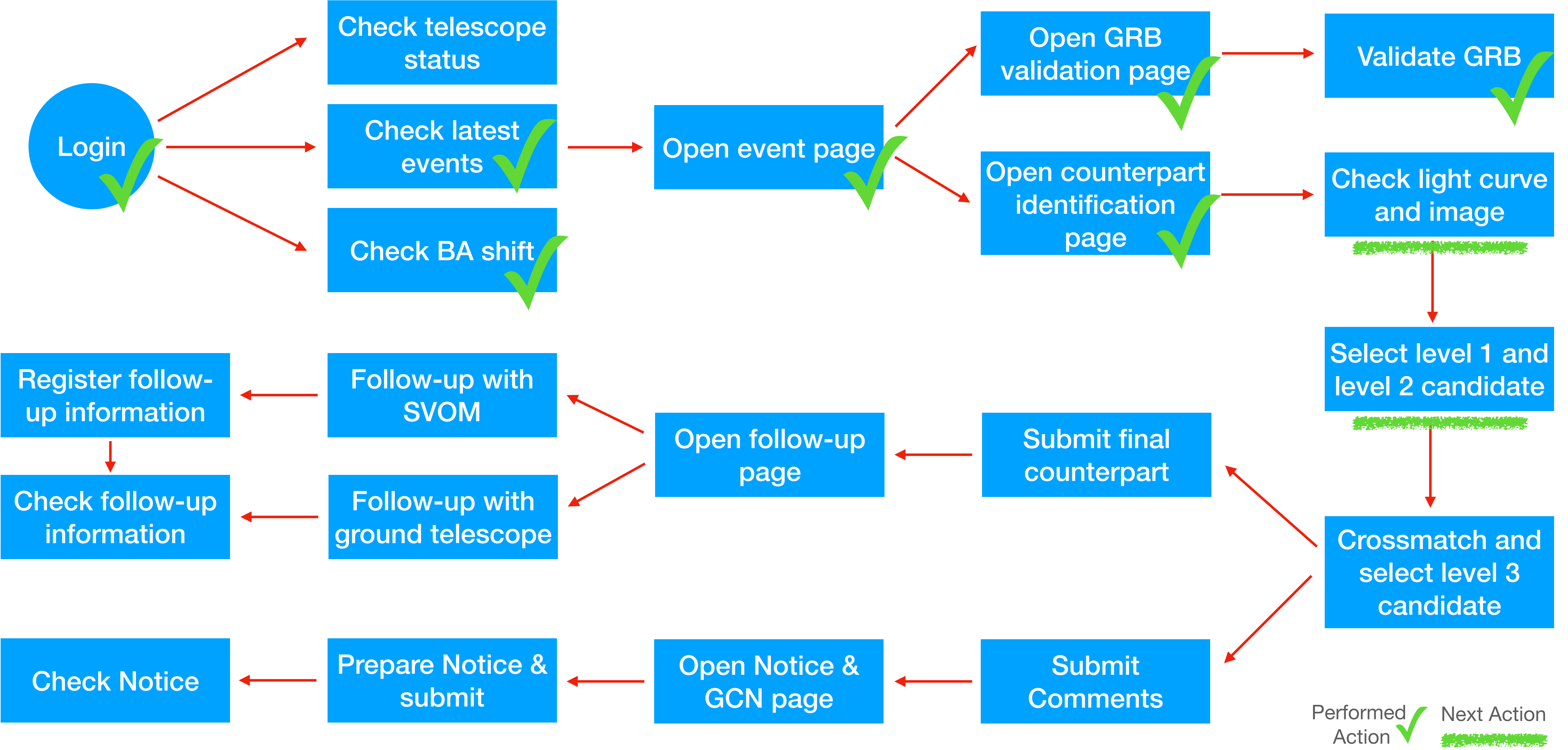
| Counterpart |                                      |                     |           |             |              |        |             |         |                              |          |           |              | Comments |
|-------------|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|-----------|--------------|----------|
| ID          | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation |              |          |
| 14          | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | Follow-up | Notice & GCN | ⊖ ⊕      |



- The level 2 and level 3 candidates are shown at left panel
- The data are shown at the right panel



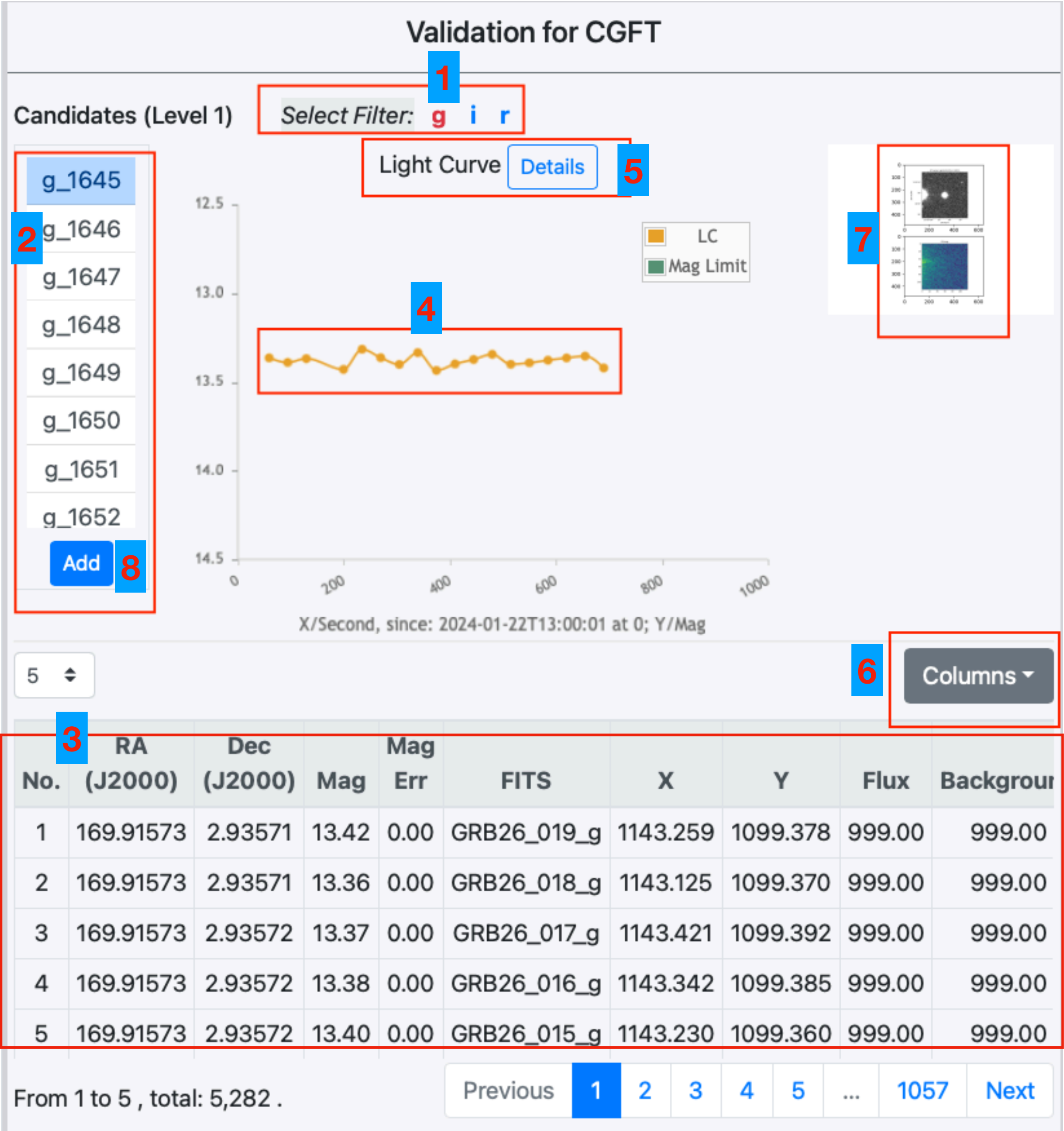
# Working with CSC BA tools





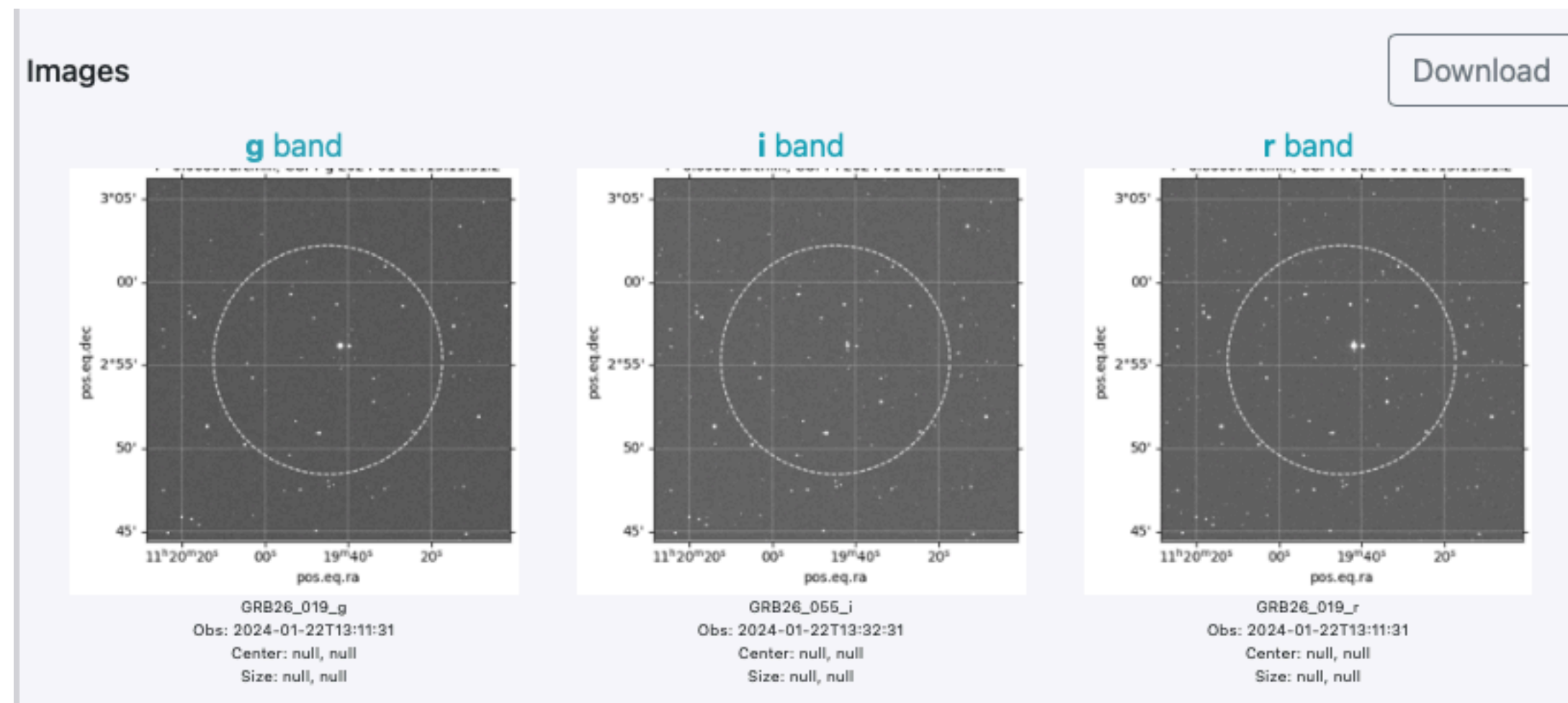
# 6. Counterpart identification

- BA needs to select a filter (1) and select a level 1 candidate (2)
- BA can check its photometry (3) and light curve (4).
- BA can check specific parameters (5) and zoom in the light curve (6).
- BA can check image and reference (7)
- BA needs to “Add” (8) the candidate with higher probability into the level 2 candidate list



# 6. Counterpart identification

- The images are provided at



# 6. Counterpart identification for VT

- The Quick Position (QPO) of candidate
- The image marked with candidates

VT Detail

Candidates (Level 1)

Add

Show10Search:Columns

| No. | OBJID_R1 | MAGAPER1_R1   | MAGERR_R1     | RA_R1       | DEC_R1    | Qflag_R1 | OBJID_B1 | MAGAPER1_B1   | MAGERR_B1     | RA_B1       | DEC_   |
|-----|----------|---------------|---------------|-------------|-----------|----------|----------|---------------|---------------|-------------|--------|
| 0   | 12.0     | 15.7299995422 | 0.0           | 169.9815573 | 3.0891237 | 4.0      | 28.0     | 18.0400009155 | 0.00999999998 | 169.9815677 | 3.0891 |
| 1   | 16.0     | 16.1800003052 | 0.0           | 169.9531    | 3.0000893 | 4.0      | 34.0     | 18.5          | 0.00999999998 | 169.9530672 | 3.0000 |
| 2   | 19.0     | 16.5599994659 | 0.0           | 169.959518  | 3.0070853 | 4.0      | 43.0     | 18.8799991608 | 0.00999999998 | 169.9595226 | 3.0070 |
| 3   | 27.0     | 16.8999996185 | 0.0           | 169.9326659 | 3.1390604 | 4.0      | 49.0     | 19.0900001526 | 0.00999999998 | 169.93267   | 3.1390 |
| 4   | 39.0     | 17.4200000763 | 0.0           | 170.0322164 | 3.0422525 | 4.0      | 71.0     | 19.6800003052 | 0.00999999998 | 170.0322185 | 3.0422 |
| 5   | 44.0     | 17.5599994659 | 0.0           | 169.9825743 | 3.0799553 | 4.0      | 77.0     | 19.8299999237 | 0.00999999998 | 169.9825591 | 3.0799 |
| 6   | 50.0     | 17.6800003052 | 0.0           | 169.9253086 | 3.010758  | 4.0      | 86.0     | 20.0100002289 | 0.00999999998 | 169.9253003 | 3.0107 |
| 7   | 56.0     | 17.9099998474 | 0.0           | 169.9548915 | 3.0388491 | 4.0      | 74.0     | 19.7700004578 | 0.00999999998 | 169.9549014 | 3.0388 |
| 8   | 62.0     | 18.0300006866 | 0.0           | 169.9500513 | 3.0575796 | 4.0      |          |               |               |             |        |
| 9   | 71.0     | 18.3700008392 | 0.00999999998 | 170.0510348 | 3.0140862 | 4.0      |          |               |               |             |        |

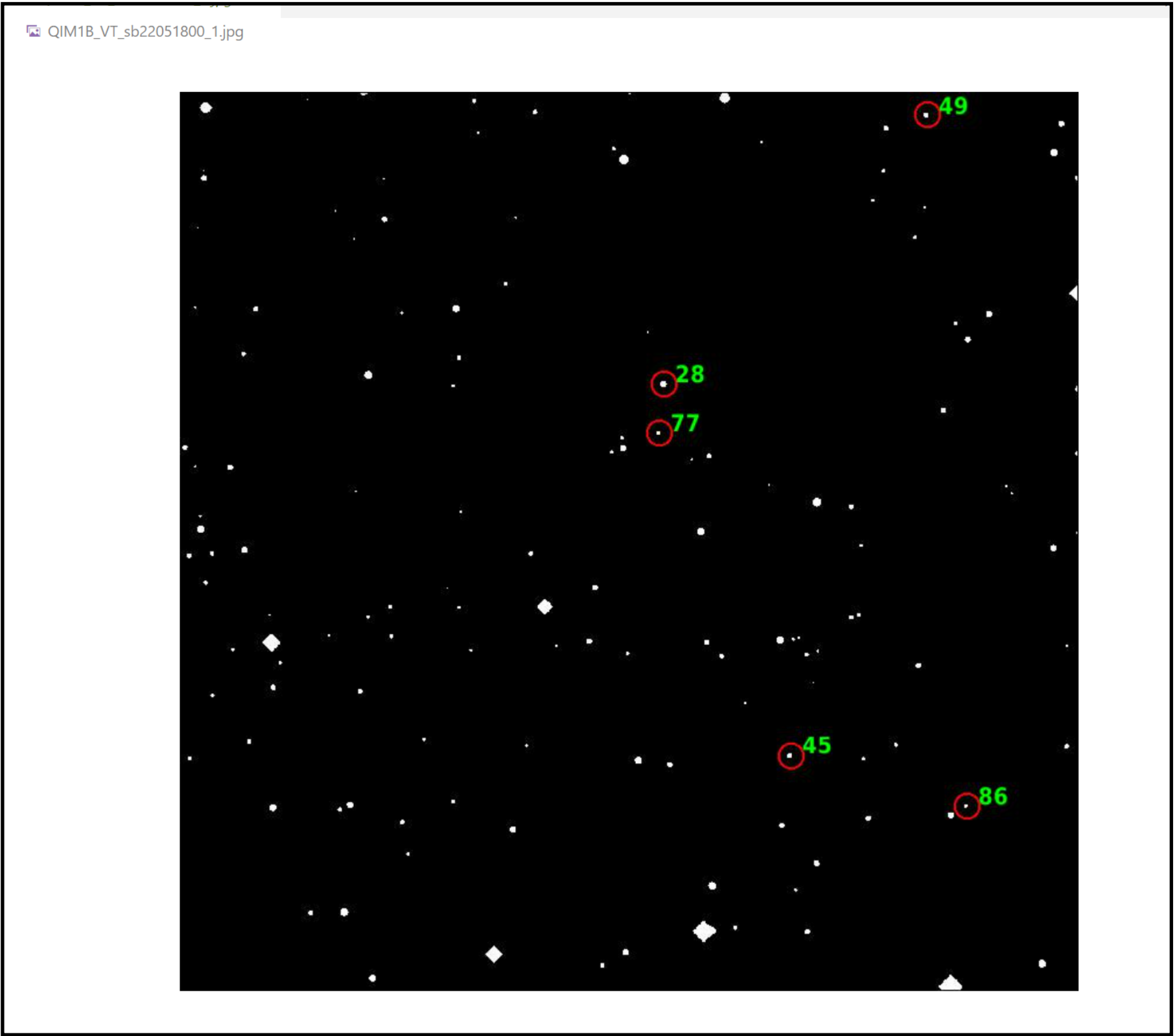
From 1 to 10, total: 15.

Previous

1

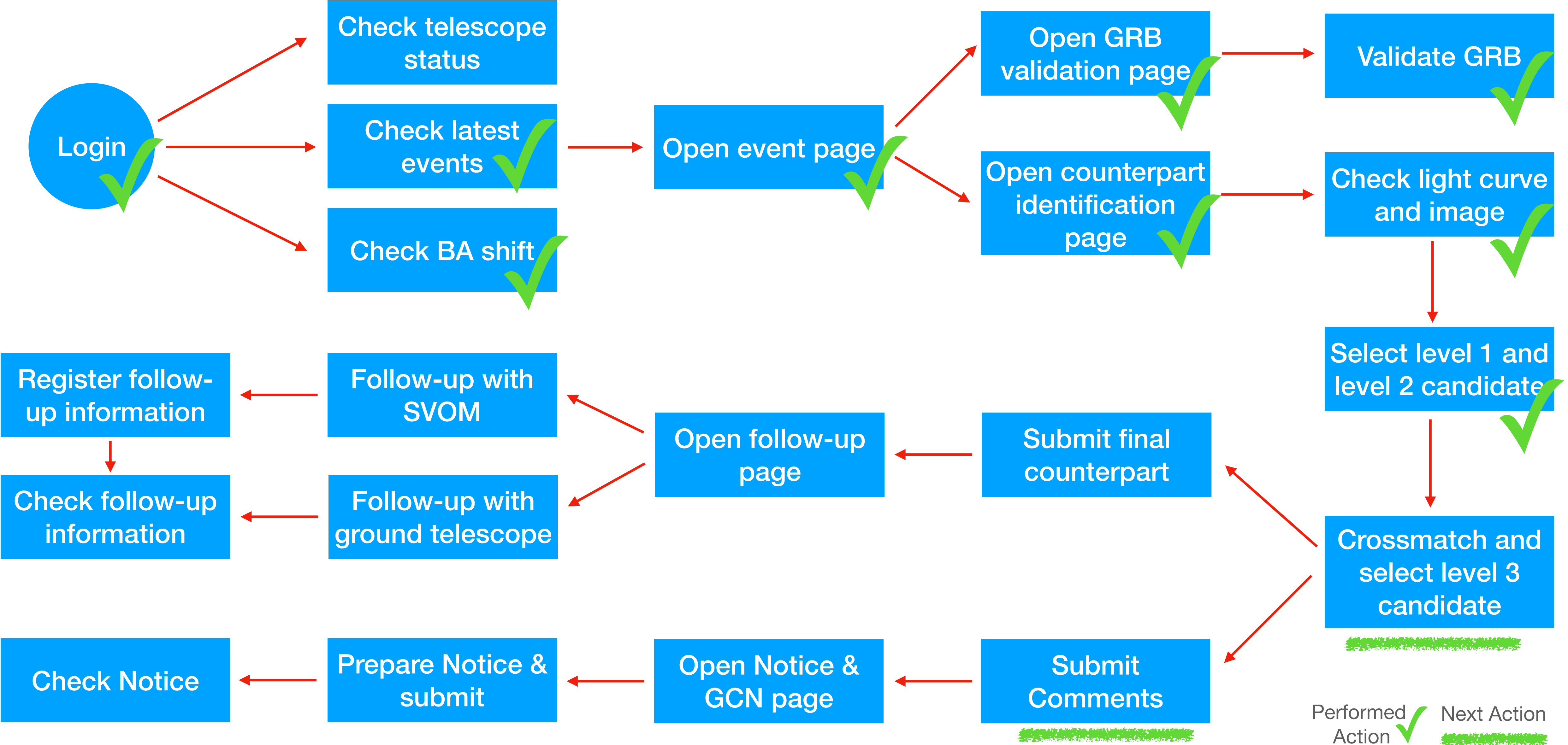
2

Next





# Working with CSC BA tools





# 6. Counterpart identification

- When multiple level 2 candidates are available, BA can select candidates and crossmatches them with their coordinates (1).
- BA can make re-selections (2).
- The result of crossmatch is shown in level 3 candidate list (3). BA can see this candidate is detected by which telescopes.
- If BA make the judgement, BA can select the candidate and make it the counterpart (4).

Joint analysis for candidates (Level 2)

Manual import data

Crossmatch radius: 3 1 arcsec. Correlation / Submit

2 Re-select Columns

|                          | ID | Inst | DT(UT)              | T-T0(s.) | RA (J2000) | Dec (J2000) | Err   | Dis.Eclair | Dis.MXT | N_dete. | AMP. | CL1    |   |
|--------------------------|----|------|---------------------|----------|------------|-------------|-------|------------|---------|---------|------|--------|---|
| <input type="checkbox"/> | 55 | CGFT | 2024-01-22T13:01:36 | 94.77    | 169.92206  | 2.95763     | 1.000 | 0.2088     |         | 10 7    | 0.41 | g_1660 | 5 |

Candidate list (Level 3)

Data visulization

|   | No. | RA (J2000) | Dec (J2000) | Err    | Dis.Eclair | Dis.MXT | VT | CGFT | GWAC | F60A | F60B | F30 | CL2            |   |
|---|-----|------------|-------------|--------|------------|---------|----|------|------|------|------|-----|----------------|---|
| 3 | 1   | 169.9581   | 3.0201      | 1.0000 | 0.2000     |         | N  | Y    | N    | Y    | Y    | N   | 37,40,39,54,38 | 6 |
|   | 2   | 169.9197   | 2.9358      | 1.0000 | 0.2237     |         | N  | N    | N    | N    | Y    | N   | 43             |   |
|   | 3   | 169.8357   | 2.9334      | 1.0000 | 0.1854     |         | N  | N    | N    | N    | Y    | N   | 44             |   |
|   | 4   | 169.8944   | 2.9227      | 1.0000 | 0.2198     |         | N  | Y    | N    | N    | N    | N   | 47             |   |
|   | 5   | 169.9371   | 3.0212      | 1.0000 | 0.1809     |         | N  | N    | N    | Y    | N    | N   | 49             |   |
|   | 6   | 169.9098   | 2.9230      | 1.0000 | 0.2280     |         | N  | Y    | N    | N    | N    | N   | 50             |   |
|   | 7   | 169.9221   | 2.9576      | 1.0000 | 0.2088     |         | N  | Y    | N    | N    | N    | N   | 55             |   |

4 Submit

Comments

2022-05-15T12:26:33 admin we may found another one

2022-05-15T12:25:25 admin the counterpart is found

Comment 8

Comment

# 6. Counterpart identification

- BA can manage two tables by removing candidates and drag candidates to re-order them (5,6).
- BA can give comments on validation process (7)

Joint analysis for candidates (Level 2)

Manual import data

Crossmatch radius: 3 1 arcsec. Correlation / Submit

2 Re-select Columns

|                          | ID | Inst | DT(UT)              | T-T0(s.) | RA (J2000) | Dec (J2000) | Err   | Dis.Eclair | Dis.MXT | N_dete. | AMP. | CL1    |     |
|--------------------------|----|------|---------------------|----------|------------|-------------|-------|------------|---------|---------|------|--------|-----|
| <input type="checkbox"/> | 55 | CGFT | 2024-01-22T13:01:36 | 94.77    | 169.92206  | 2.95763     | 1.000 | 0.2088     |         | 10 7    | 0.41 | g_1660 | ⊖ ⇅ |

5 Data visulization

Candidate list (Level 3)

|   | No. | RA (J2000) | Dec (J2000) | Err    | Dis.Eclair | Dis.MXT | VT | CGFT | GWAC | F60A | F60B | F30 | CL2            |     |
|---|-----|------------|-------------|--------|------------|---------|----|------|------|------|------|-----|----------------|-----|
| 3 | 1   | 169.9581   | 3.0201      | 1.0000 | 0.2000     |         | N  | Y    | N    | Y    | Y    | N   | 37,40,39,54,38 | ⊖ ⇅ |
|   | 2   | 169.9197   | 2.9358      | 1.0000 | 0.2237     |         | N  | N    | N    | N    | Y    | N   | 43             | ⊖ ⇅ |
|   | 3   | 169.8357   | 2.9334      | 1.0000 | 0.1854     |         | N  | N    | N    | N    | Y    | N   | 44             | ⊖ ⇅ |
|   | 4   | 169.8944   | 2.9227      | 1.0000 | 0.2198     |         | N  | Y    | N    | N    | N    | N   | 47             | ⊖ ⇅ |
|   | 5   | 169.9371   | 3.0212      | 1.0000 | 0.1809     |         | N  | N    | N    | Y    | N    | N   | 49             | ⊖ ⇅ |
|   | 6   | 169.9098   | 2.9230      | 1.0000 | 0.2280     |         | N  | Y    | N    | N    | N    | N   | 50             | ⊖ ⇅ |
|   | 7   | 169.9221   | 2.9576      | 1.0000 | 0.2088     |         | N  | Y    | N    | N    | N    | N   | 55             | ⊖ ⇅ |

4 Submit

Comments

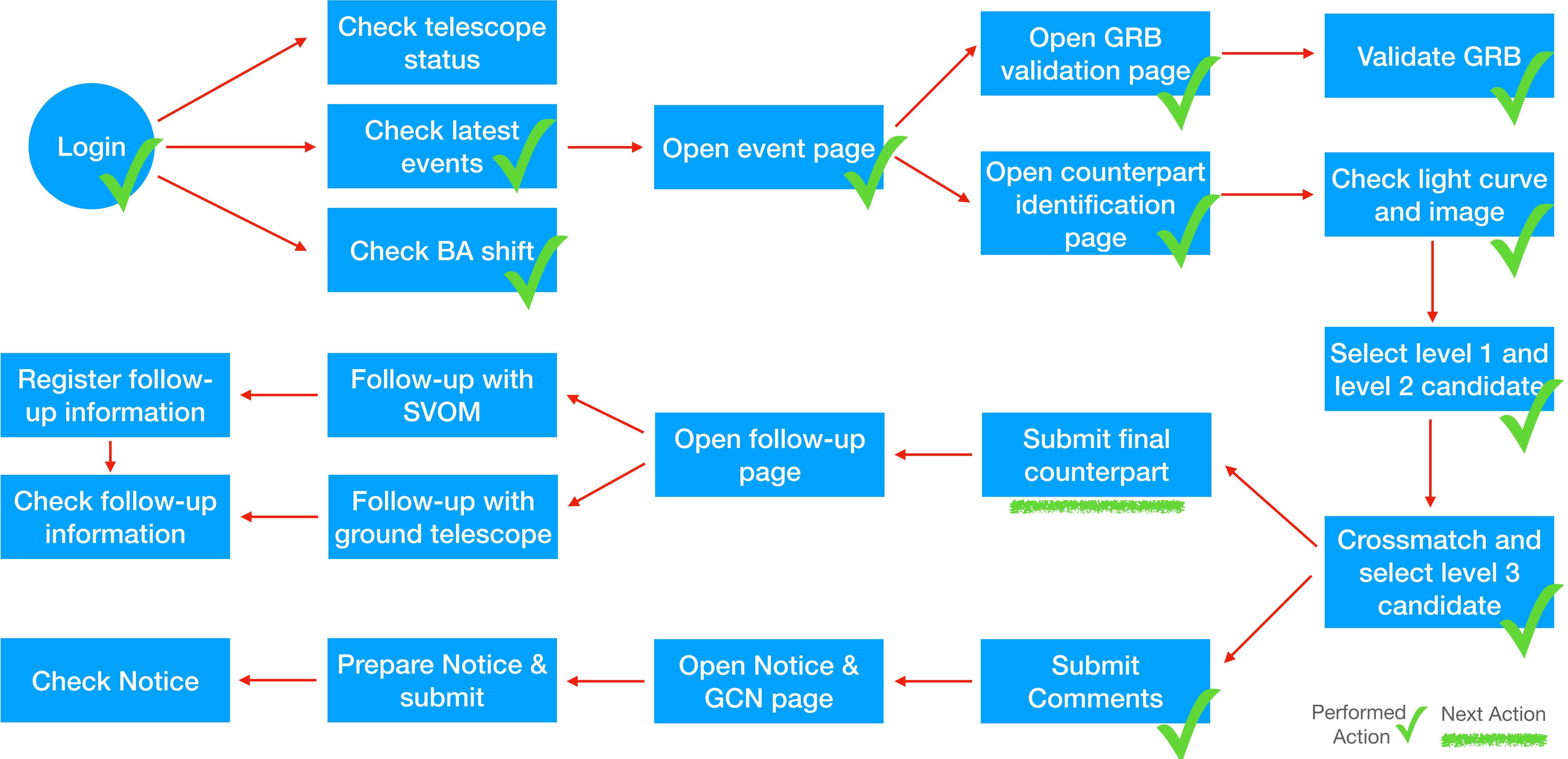
2022-05-15T12:26:33 admin we may found another one

2022-05-15T12:25:25 admin the counterpart is found

Comment 8

Comment

# Working with CSC BA tools





# 6. Counterpart identification

- Finally, the counterparts are given in Counterpart table

| Counterpart |                                      |                     |           |             |              |        |             |         |                              |          |                           |                                  |   | Comments |  |
|-------------|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|---------------------------|----------------------------------|---|----------|--|
| ID          | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation                 |                                  |   |          |  |
| 14          | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | <a href="#">Follow-up</a> | <a href="#">Notice &amp; GCN</a> | ⊖ | ⇅        |  |
| 20          | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 | 0.2088      |         | CGFT                         | admin    | <a href="#">Follow-up</a> | <a href="#">Notice &amp; GCN</a> | ⊖ | ⇅        |  |

- The validation comments are shown at
- Further actions to the counterpart, such as organizing follow-up observations or preparing notices and GCN circulars through at

Counterpart

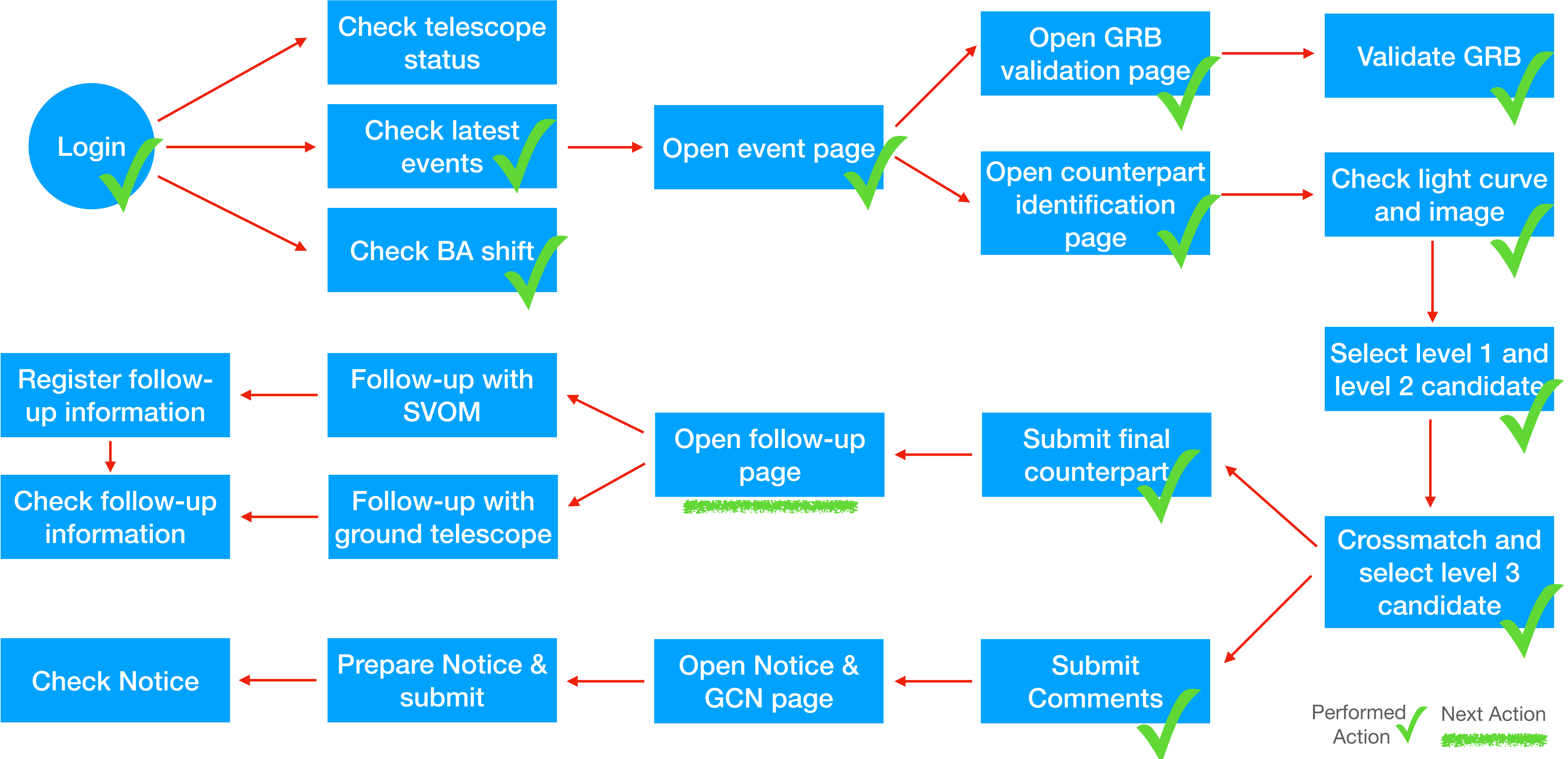
Comments

| ID | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation |              |   |   |
|----|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|-----------|--------------|---|---|
| 14 | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | Follow-up | Notice & GCN | ⊖ | ⇅ |
| 20 | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 | 0.2088      |         | CGFT                         | admin    | Follow-up | Notice & GCN | ⊖ | ⇅ |





# Working with CSC BA tools



## 7. Follow-up observations

**[Click here in the counterpart identification page to make follow-ups](#)**

| Counterpart |                                      |                     |           |             |              |        |             |         |                              |          |           | Comments     |   |   |
|-------------|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|-----------|--------------|---|---|
| ID          | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation |              |   |   |
| 14          | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | Follow-up | Notice & GCN | ⊖ | ⇅ |
| 20          | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 | 0.2088      |         | CGFT                         | admin    | Follow-up | Notice & GCN | ⊖ | ⇅ |

**Or click here in the event page to make follow-ups**

Event and Comments

Counterparts

Observations

Notice & GCN Circular

Data

Process logs

Follow-up Observation Detail:

Follow-up

Comments

|                          | Follow-up Type | Follow-up Request ID | Telescope | ID from Tele. | Submitted time (UT)     | BA    | Request Info. | Obs. Status | Upload Data |
|--------------------------|----------------|----------------------|-----------|---------------|-------------------------|-------|---------------|-------------|-------------|
| <input type="checkbox"/> | ToO-NOM-AT     | 80                   | GWAC-F60B |               | 2022-05-15T12:28:38.443 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 79                   | CGFT      |               | 2022-05-15T07:24:18.881 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 78                   | All       | 1             | 2022-05-14T13:30:39.015 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 77                   | All       | 1             | 2022-05-14T13:29:41.389 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 76                   | SVOM ToO  | 123           | 2022-05-14T13:26:55.886 | admin | ...           |             | ...         |

Columns ▾

5 ▾

From 1 to 5 , total: 16 .

Previous

1

2

3

4

Next

# 7. Follow-up observations

Follow-up Page

svom-gwacn.cn/ba/followup/followupPage.action?eventId=9998&ccId=14

SUSS Home

News

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Feedback

My Account: admin | Logout

Back to Mainpage

Back to Event Page

Follow-up page for **sb240122954**

UT: 2022-05-16 16:46:23

BJT: 2022-05-17 00:46:23

CEST: 2022-05-16 18:46:23

iFSC-Tools

Event : 

GRB Revisit

Comments

| Mission | Trigger Name | Event name | SVOM Burst ID | Online / Offline | Source Type | Detector     | Trigger Time (T0,UT)    | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status |
|---------|--------------|------------|---------------|------------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |                  |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

Counterparts

Comments

|                                     | ID | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter |
|-------------------------------------|----|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|
| <input checked="" type="checkbox"/> | 14 | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 |             |         | CGFT , GWAC-F60B , GWAC-F60A | admin    |
| <input type="checkbox"/>            | 20 | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 |             |         | CGFT                         | admin    |
| <input type="checkbox"/>            | 23 | sb240122954_GRB240122j_1705928461_23 | 2024-01-22T13:01:01 | 59.77     | 11:19:39.77 | +02:56:08.56 | 1.0000 |             |         | CGFT                         | admin    |

Follow-up observation for: Counterpart sb240122954\_GRB240122F\_1705928461\_14

Trigger Name: sb240122954

SVOM Burst ID: sb240122954

RA (J2000): 11:19:49.93

Telescope: All

Event Name: GRB240122j

Counterpart Name: sb240122954\_GRB24012

Dec (J2000): +03:01:12.18

Follow-up information

\* Please write down the follow-up observation information, after you apply the follow-ups and finish the follow-ups.

Obs. ID from Telescope:

\* or ToO proposal ID

Ground Observatory Weather

XingLong: Clear

Temperature: 12°C

WindSpeed: 1m/s

Humidity: 53%

Link

CGFT: ---

Temperature: 9°C

WindSpeed: 2m/s

Humidity: 43%

Link

FGFT: ---

Temperature: ---°C

WindSpeed: ---m/s

Humidity: ---%

Link

Follow-Up telescope map

Follow-up observation page

ong

CGFT

sunrise

sunrise



# 7 Follow-up observations

- The GRB Revisit can be prepared from

[Back to Mainpage](#)[Back to Event Page](#)

Follow-up page for **sb240122954**

| UT: 2022-05-16 07:58:50 | BJT: 2022-05-16 15:58:50 | CEST: 2022-05-16 09:58:50

[iFSC-Tools](#)

Event : [GRB Revisit](#)

[Comments](#)

| Mission | Trigger Name | Event name | SVOM Burst ID | Online / Offline | Source Type | Detector     | Trigger Time (T0,UT)    | T90 | RA (J2000)   | Dec (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Galactic l/b       | E(B-V) | BA | Validation Status |
|---------|--------------|------------|---------------|------------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |                  |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

- The counterpart follow-up can be prepared from here by selecting the counterpart

Counterparts



[Comments](#)

|                                     | ID | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter |
|-------------------------------------|----|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|
| <input checked="" type="checkbox"/> | 14 | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 |             |         | CGFT , GWAC-F60B , GWAC-F60A | admin    |
| <input type="checkbox"/>            | 20 | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 |             |         | CGFT                         | admin    |

# 7. Follow-up observations

- The information of GRB and counterparts are automatic filled at (1)
- The information of all ground telescopes are displayed in the right panel (2)
- The request information or observation information are recorded at (3)
- The discussions can be written at (4)

Follow-up observation for: Counterpart sb240122954\_GRB240122F\_1705928461\_14

Trigger Name: sb240122954

SVOM Burst ID: sb240122954

RA (J2000): 11:19:49.93

Telescope: All

Event Name: GRB240122j

Counterpart Name: sb240122954\_GRB240122

Dec (J2000): +03:01:12.18

Follow-up information

\* Please write down the follow-up observation information, after you apply the follow-ups and finish the follow-ups.

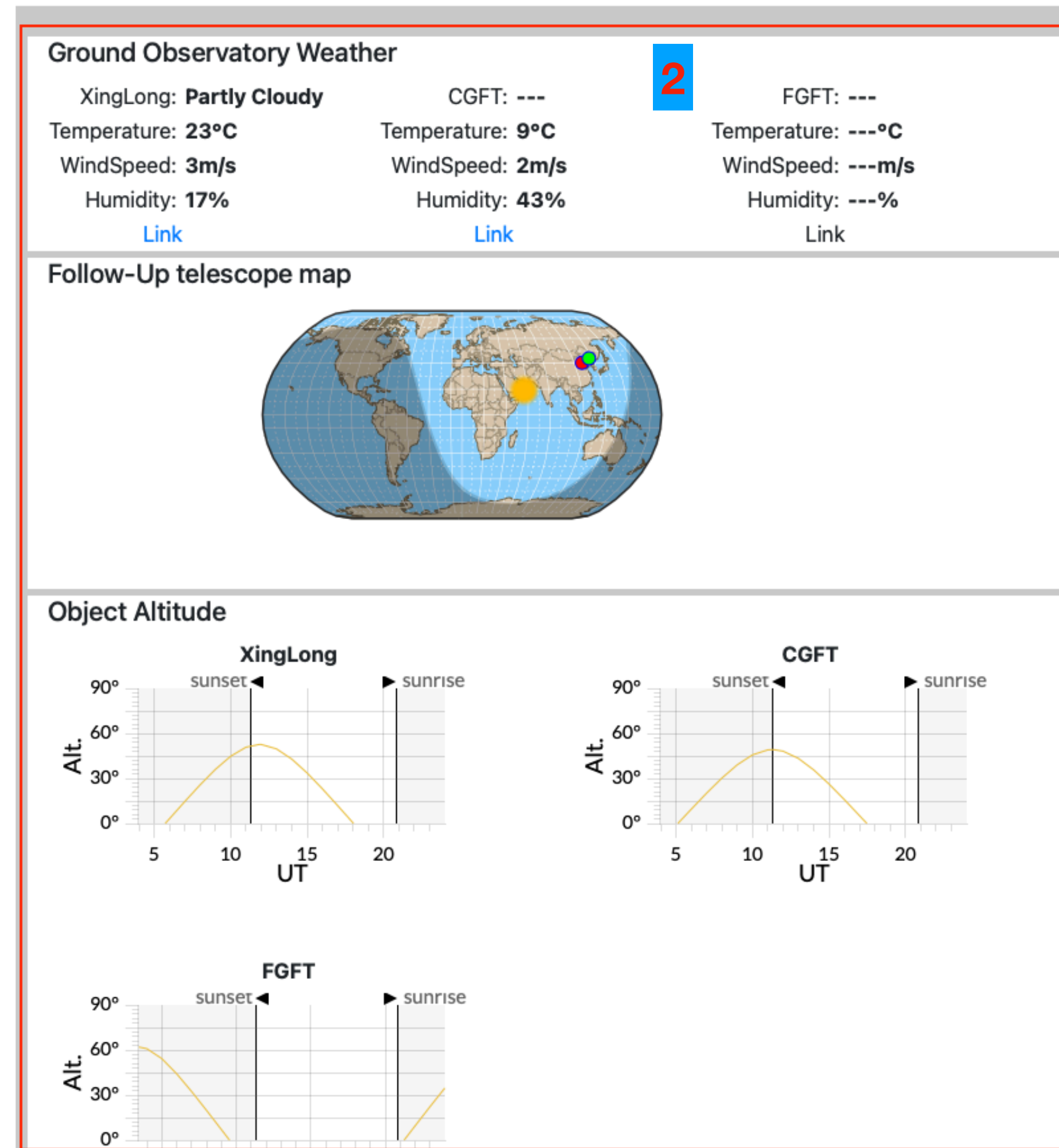
Obs. ID from Telescope:

\* or ToO proposal ID

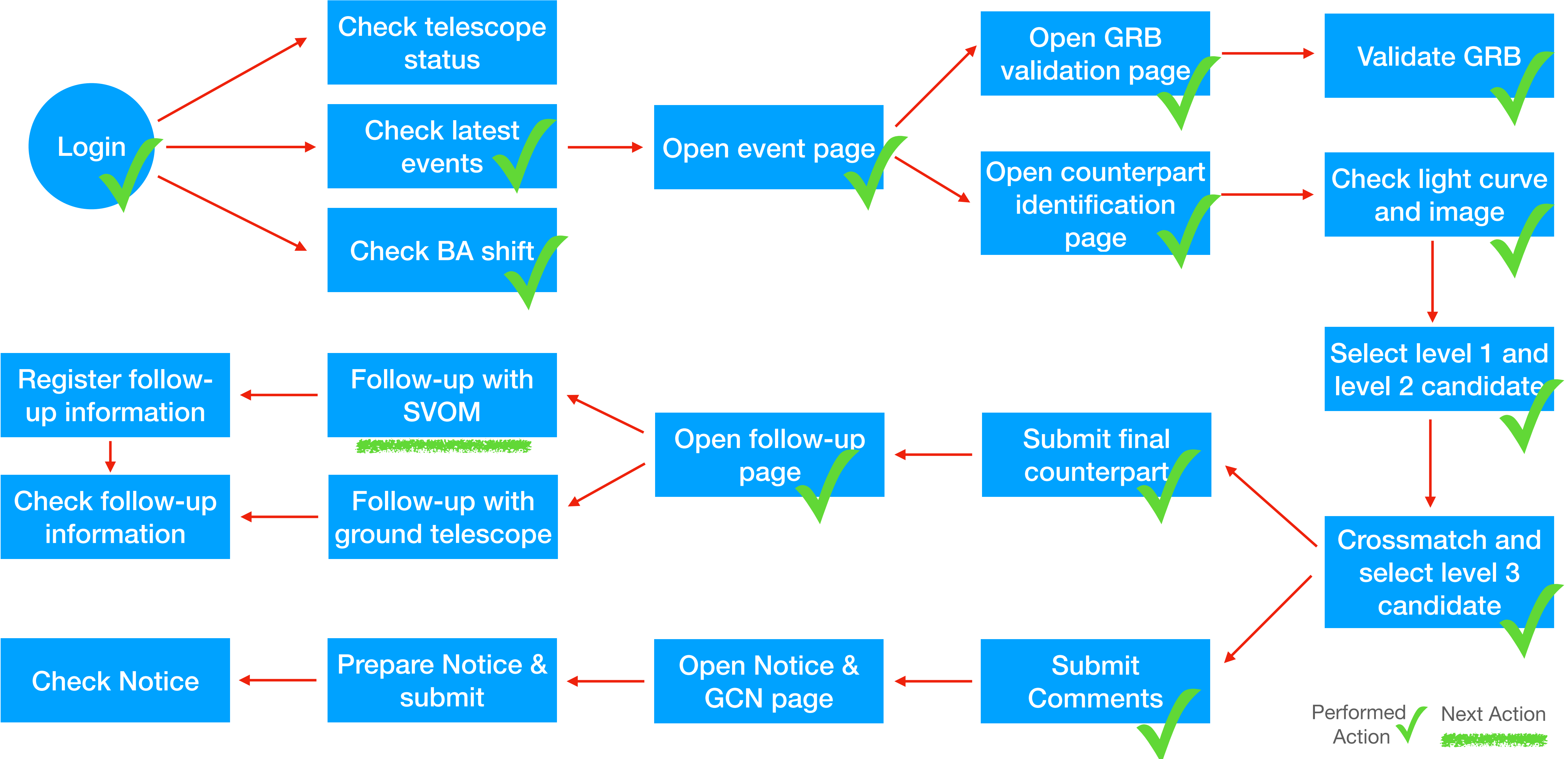
Submit Follow-up Information

\* The Follow-up Request ID will be generated automatically when submit follow-up information

Discussions:



# Working with CSC BA tools





# 7. Follow-up observations with SVOM satellite

- To use SVOM, select “SVOM ToO” (1) in Telescope
- The information to generate a SVOM ToO request is automagically filled in the right panel (2)
- BA can give some request and open the SVOM ToO tools (3), the information will be transferred to the ToO tools automatically.

[Back to Mainpage](#) [Back to Event Page](#) **Follow-up page for sb240122954** | UT: 2022-05-16 08:26:12 | BJT: 2022-05-16 16:26:12 | CEST: 2022-05-16 10:26:12 [iFSC-Tools](#)

Follow-up observation for: Counterpart sb240122954\_GRB240122F\_1705928461\_14

Trigger Name: sb240122954

SVOM Burst ID: sb240122954

RA (J2000): 11:19:49.93

Telescope: 

SVOM ToO

Event Name: GRB240122j

Counterpart Name: sb240122954\_GRB240122

Dec (J2000): +03:01:12.18

Follow-up information

\* Please write down the follow-up observation information, after you apply the follow-ups and finish the follow-ups.

Obs. ID from Telescope:

\* or ToO proposal ID

Submit Follow-up Information

\* The Follow-up Request ID will be generated automatically when submit follow-up information

Open ToO tools to make a ToO proposal

Source ID: sb240122954\_GRB240122F\_1705928461\_14

Event Name: GRB240122j

Object Type: ToO-Nom

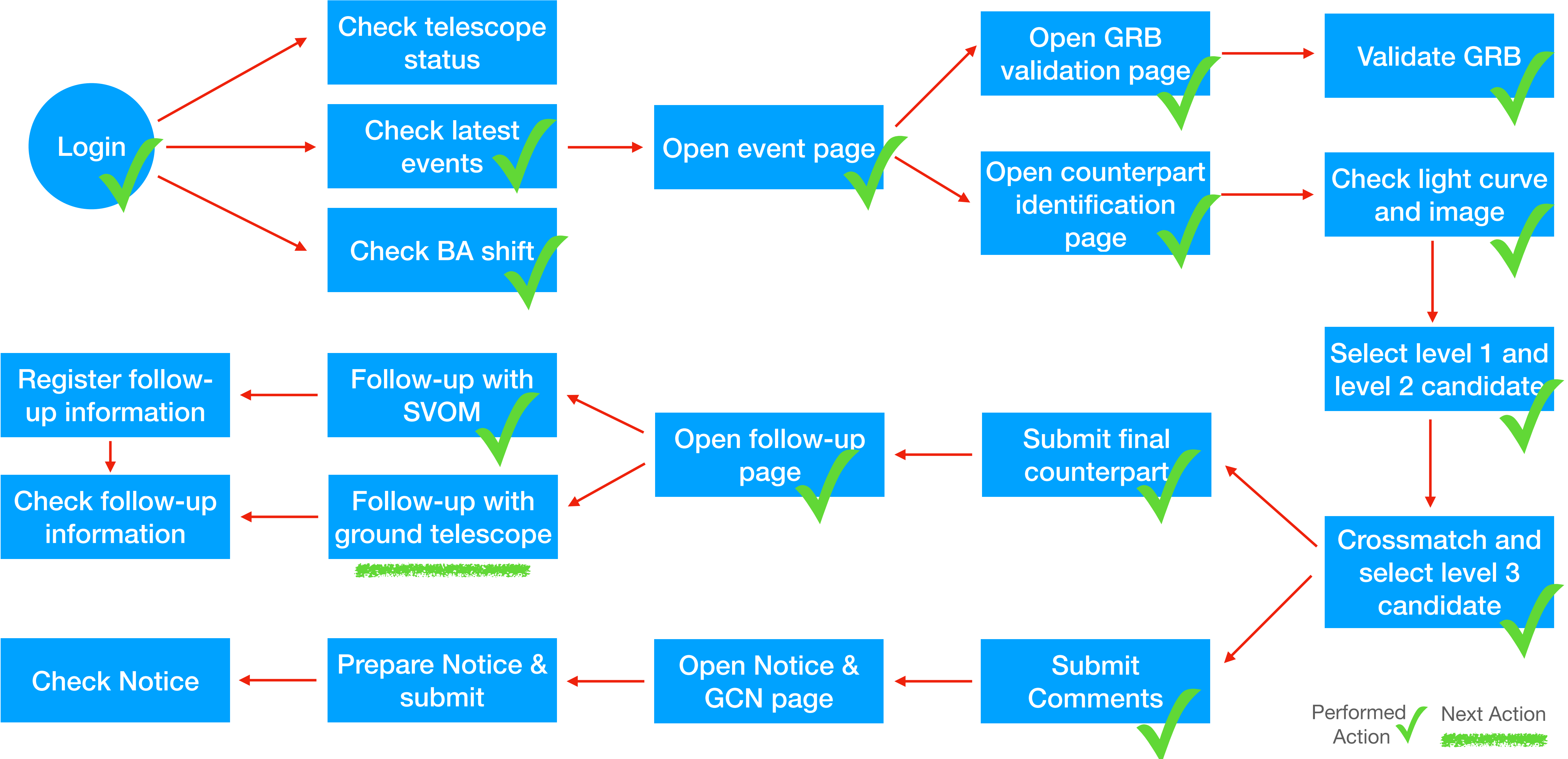
Coordinates: 11:19:49.93, 03:01:12.18

Special Request:

\* To automatic import the target information into ToO tools, please keep your ToO tools account logged on.

Submit and Open ToO tools

# Working with CSC BA tools



# 7. Follow-up observations with ground telescopes

- To make an automatic follow-up, select a core telescope, such as “CGFT”, “GWAC-F60A” , “GWAC-F60B”... (1)
- Based on the feature of the target, BA can select an observation strategy (2) . The description is given below.
- The observation sequence is generated automatically. BA can check it and submit (3) to telescope to perform automatic follow-ups.
- After submission the follow-up request, the request information is shown at (4)

Follow-up observation for: Counterpart sb240122954\_GRB240122F\_1705928461\_14

Trigger Name: sb240122954

SVOM Burst ID: sb240122954

RA (J2000): 11:19:49.93

Telescope: GWAC-F60B

Event Name: GRB240122j

Counterpart Name: sb240122954\_GRB240122

Dec (J2000): +03:01:12.18

Follow-up information

\* Please write down the follow-up observation information, after you apply the follow-ups and finish the follow-ups.

Obs. ID from Telescope:

\* or ToO proposal ID

4

Submit Follow-up Information

\* The Follow-up Request ID will be generated automatically when submit follow-up information

Discussions:

GWAC-F60B Telescope Parameters



Alt.

90°

75°

60°

45°

30°

15°

0°

5

10

15

20

UT

sunset

xinglong

sunrise

Contact: Number: Email:

GWAC-F60B Document

Obs. Strategy: [ Totally 2 ]

2

F60's strategy for bright optical counterpart (2)

For bright optical counterpart (> R 19), F60's Strategy 2 with a series observations of R bands, and [60,10,20,20] frames of [5.0,60.0,100.0,150.0]s' exposure time.

Object Name: sb240122954\_14 Observer: admin

Obj. RA: 169.958054 Obj. Dec: 3.02005005 Obj. epoch: 2000

Obj. error: Trigger ID: sb240122954

Event Name: GRB240122j Group ID: XL002 Unit ID: 002

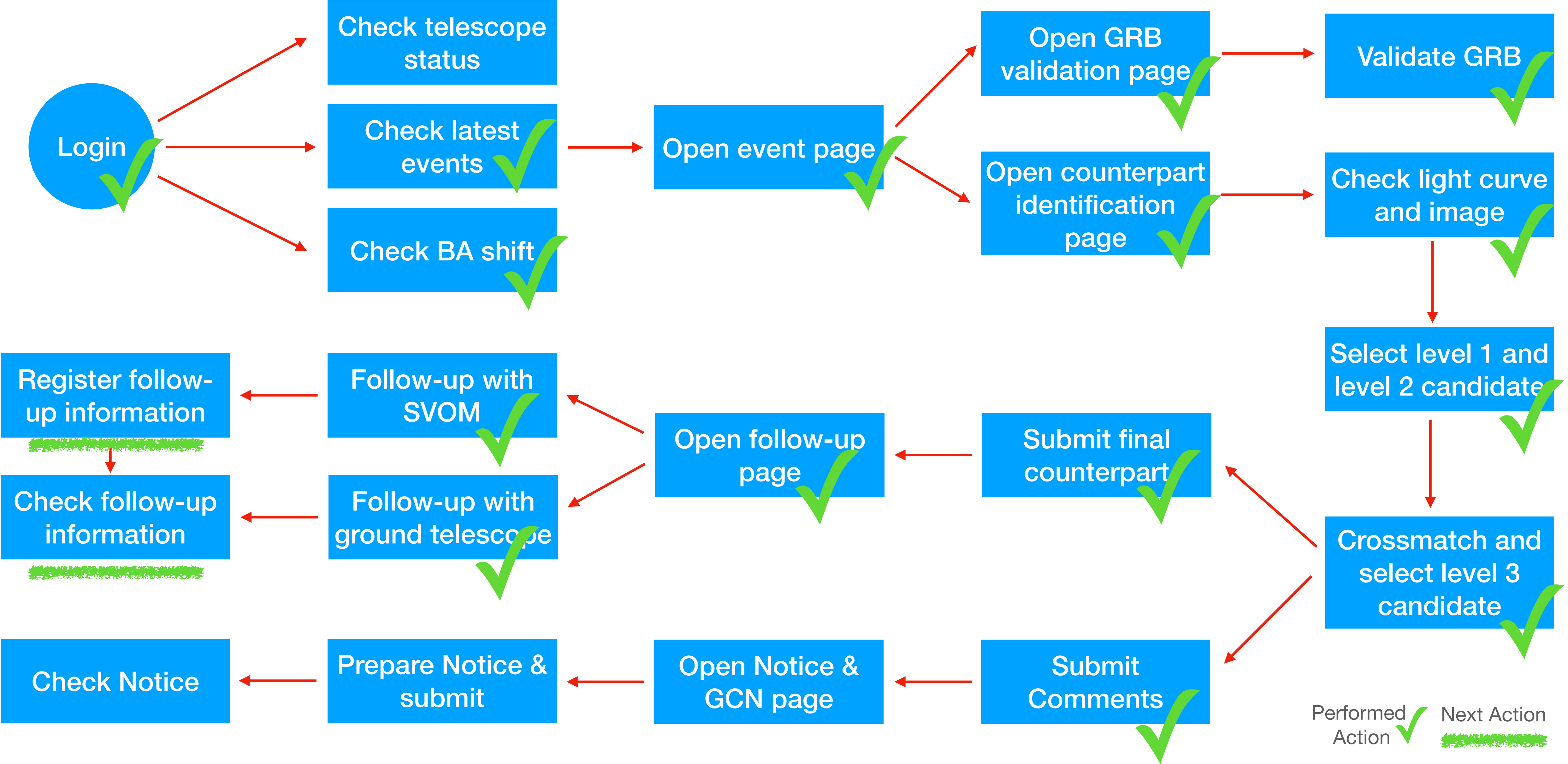
Filter: R R R R Exposure Time: 5.0 60.0 100.0 150.0 Frame N: 60 10 20 20

Submit Follow-up Request

3



# Working with CSC BA tools



# 7. Follow-up observations with ground telescopes

- The discussions for the follow-ups can be written at (1)
- The details of the follow-ups are listed at (2)
- The request information is shown at (3)
- The follow-up data can be updated from (4)

Discussions:

1

Submit Comment

Obj. error:

Trigger ID: SD240122754

Event Name: GRB240122j

Group ID: XL002

Unit ID: 002

Filter: R R R R

Exposure Time: 5.0 60.0 100.0 150.0

Frame N: 60 10 20 20

Submit Follow-up Request

Follow-up Observation Detail: 2

Comments

|                          | Follow-up Type | Follow-up Request ID | Telescope | ID from Tele. | Submitted time (UT)     | BA    | Request Info. | Obs. Status | Upload Data |
|--------------------------|----------------|----------------------|-----------|---------------|-------------------------|-------|---------------|-------------|-------------|
| <input type="checkbox"/> | ToO-NOM-AT     | 84                   | GWAC-F60B |               | 2022-05-16T08:47:22.848 | admin | ... 3         |             | ... 4       |
| <input type="checkbox"/> | ToO-NOM-AT     | 80                   | GWAC-F60B |               | 2022-05-15T12:28:38.443 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 79                   | CGFT      |               | 2022-05-15T07:24:18.881 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 78                   | All       | 1             | 2022-05-14T13:30:39.015 | admin | ...           |             | ...         |
| <input type="checkbox"/> | ToO-NOM-AT     | 77                   | All       | 1             | 2022-05-14T13:29:41.389 | admin | ...           |             | ...         |

Columns ▾

5 ⇅

From 1 to 5 , total: 17 .

Previous

1

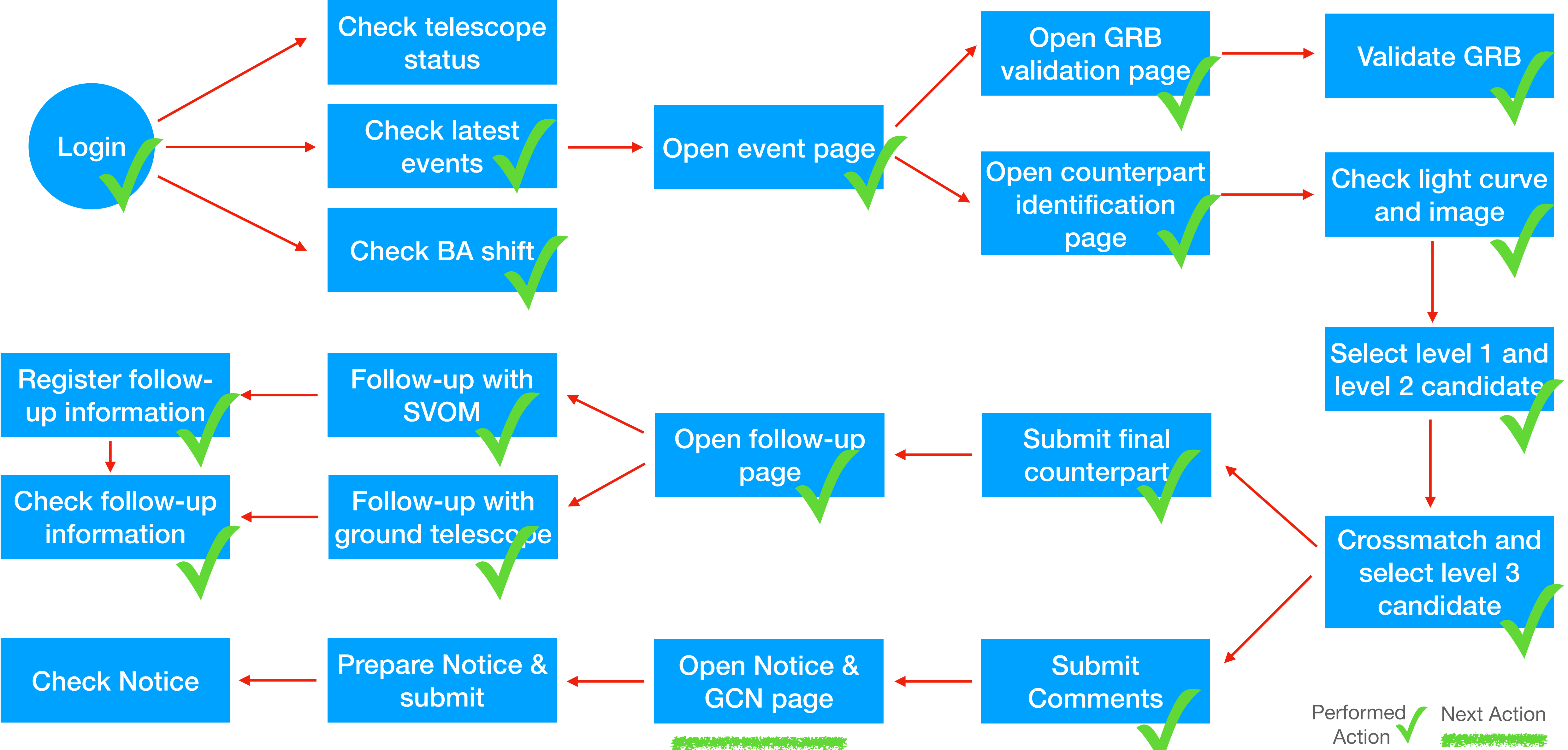
2

3

4

Next

# Working with CSC BA tools





# 8. Prepare SVOM Notices

Click here in the counterpart identification page to prepare notices

| Counterpart |                                      |                     |           |             |              |        |             |         |                              |          | Comments                             |
|-------------|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|--------------------------------------|
| ID          | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter | Operation                            |
| 14          | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 | 0.2000      |         | CGFT , GWAC-F60B , GWAC-F60A | admin    | <div>Follow-upNotice &amp; GCN</div> |
| 20          | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 | 0.2088      |         | CGFT                         | admin    | <div>Follow-upNotice &amp; GCN</div> |

Or click here in the event page to prepare notices

| Notice & GCN Circular:               |  |             |       |                  | Notice & GCN    |
|--------------------------------------|--|-------------|-------|------------------|-----------------|
| Notice List:                         |  |             |       |                  |                 |
| Creating Time (UT)                   |  | Notice Type | BA    | Notice Parameter | Notice ID       |
| 2022-05-15T12:30:04.708              |  | N2f         | admin | ...              | 123             |
| 2022-05-14T12:13:22.211              |  | N2f         | admin | ...              |                 |
| 2022-05-14T12:10:57.789              |  | N2f         | admin | ...              |                 |
| Columns ▾ 5 From 1 to 3 , total: 3 . |  |             |       |                  | Previous 1 Next |

# 8. Prepare SVOM Notices

Notice & GCN Circular Page

svom-gwacn.cn/ba/notice/notice\_gcn.action?eventId=9998&ccId=14

SUSS Home

News

Help

Feedback

My Account: admin | Logout

Back to Mainpage

Back to Event Page

Notice& GCN Circular page for sb240122954

UT: 2022-05-16 16:47:51

BJT: 2022-05-17 00:47:51

CEST: 2022-05-16 18:47:51

iFSC-Tools

Event :

Comments

| Mission | Trigger Name | Event name | SVOM Burst ID | Online/offline | Source Type | Detector     | Trigger time(T0,UT)     | T90 | RA (J2000)   | DEC (J2000)  | Err | CLE | Solar Dist | Lunar Dist/Phase | Calactic l/b       | E(B-V) | BA | Validation Status |
|---------|--------------|------------|---------------|----------------|-------------|--------------|-------------------------|-----|--------------|--------------|-----|-----|------------|------------------|--------------------|--------|----|-------------------|
| SVOM    | sb240122954  | GRB240122j | sb240122954   |                |             | Svom-Eclairs | 2024-01-22T13:00:01.234 |     | 11:19:07.006 | +03:06:36.09 | 0.2 | 1   | 132.2548   | 84.5161 / 0.90   | 256.3638 / 57.3820 | 0.04   |    | true              |

Counterparts

Comments

|                                     | ID | Name                                 | Detection Time (UT) | DT-T0(s.) | RA (J2000)  | Dec (J2000)  | Err    | Dis.Eclairs | Dis.MXT | Telescopes                   | Reporter |
|-------------------------------------|----|--------------------------------------|---------------------|-----------|-------------|--------------|--------|-------------|---------|------------------------------|----------|
| <input checked="" type="checkbox"/> | 14 | sb240122954_GRB240122F_1705928461_14 | 2024-01-22T13:01:01 | 59.77     | 11:19:49.93 | +03:01:12.18 | 1.0000 |             |         | CGFT , GWAC-F60B , GWAC-F60A | admin    |
| <input type="checkbox"/>            | 20 | sb240122954_GRB240122j_1705928496_20 | 2024-01-22T13:01:36 | 94.77     | 11:19:41.29 | +02:57:27.47 | 1.0000 |             |         | CGFT                         | admin    |
| <input type="checkbox"/>            | 23 | sb240122954_GRB240122j_1705928461_23 | 2024-01-22T13:01:01 | 59.77     | 11:19:39.77 | +02:56:08.56 | 1.0000 |             |         | CGFT                         | admin    |

Prepare Notice for: Counterpart sb240122954\_GRB240122F\_1705928461\_14

Trigger Name: sb240122954

SVOM Burst ID: sb240122954

RA (J2000): 11:19:49.93

Telescope:

Obs. ID from Telescope:

Detection Time (UT):

OBS.-T0(s):

Filter:

Magnitude:

Event Name: GRB240122j

Counterpart Name: sb240122954\_GRB24012

Dec (J2000): +03:01:12.18

Notice Type: N2f

Submit Notice Parameter

Prepare GCN Circular: Counterpart

Trigger Name:

SVOM Burst ID:

RA (J2000):

Telescope: SVOM ToO

Obs. ID from Telescope:

Chose Circular Template: CC Detection

Event Name:

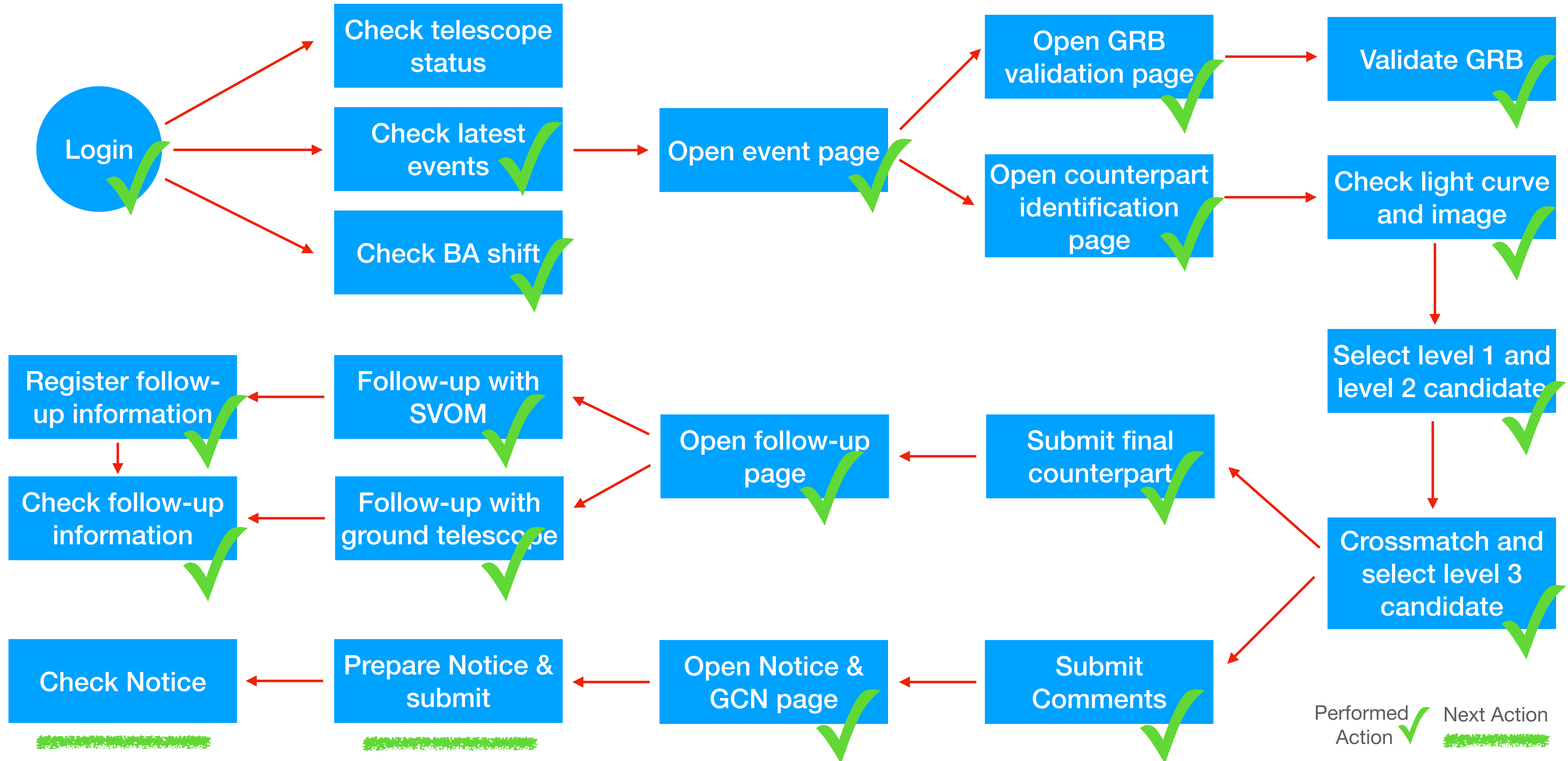
Counterpart Name:

Dec (J2000):

Notice Type:

Notice & GCN Circular page

# Working with CSC BA tools





# 8. Prepare SVOM Notices

- Currently, only N2f for CGFT is defined (2), so BA can only select “CGFT” telescope (1)
- The Notice parameters are generated and submitted (3)
- The Notice list is shown at (4)
- The contents of Notice parameters are shown at (5)

Prepare Notice for: Counterpart test202205514\_1708694374\_21

Trigger Name: test202205514

SVOM Burst ID: sb202205514

RA (J2000): 11:19:49.93

Telescope: CGFT 1

Obs. ID from Telescope: 2566914149

Detection Time (UT): 2024-02-23T13:19:34

OBS.-T0(s): 59.65

Filter: g

Magnitude: 16.2755

Event Name:

Counterpart Name: test202205514\_170869437

Dec (J2000): +03:01:12.25

Notice Type: N2f 2

Submit Notice Parameter 3

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Notice & GCN Circular List:

Notice List:

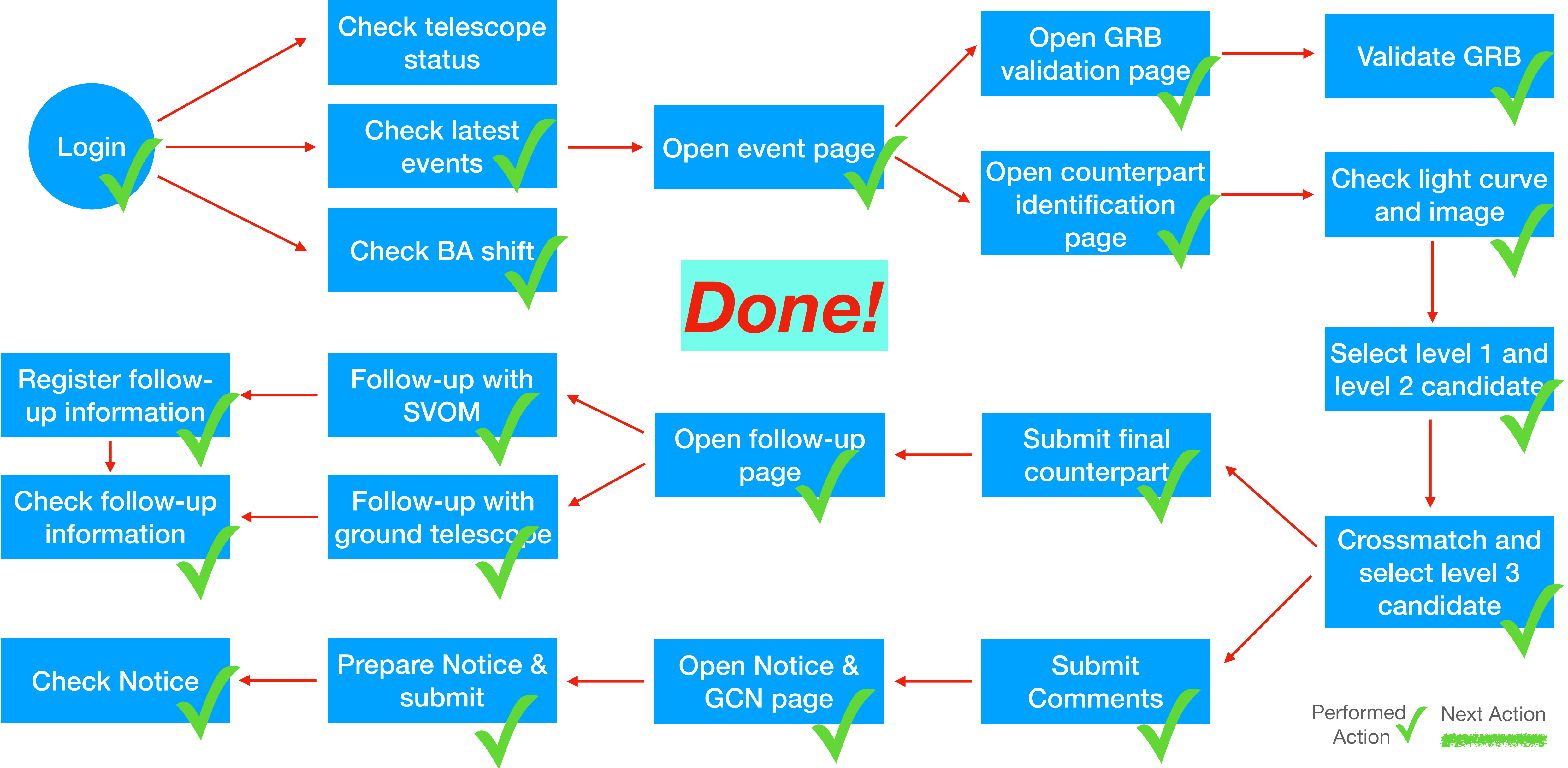
|   | Creating Time (UT)      | Notice Type | BA    | Notice Parameter | Notice ID |
|---|-------------------------|-------------|-------|------------------|-----------|
| 4 | 2022-05-15T14:59:03.366 | N2f         | admin | ... 5            |           |

Previous

1

Next

# Working with CSC BA tools



**Thanks**