

Emergency Shutdown Procedure (v1.2)

SuperWASP

If the SuperWASP roof cannot open or close for whatever reason an alarm will sound in the WHT control room (see photo). If the weather is bad the WHT must be closed first and SuperWASP attended to afterwards. If the weather is good SuperWASP should be attended at the first possible opportunity.

The alarm in the control room can be silenced by pressing the black button (see photo). If SuperWASP is not attended to within a few minutes the alarm will sound again and continue to do so until dealt with. The key for SuperWASP is in the WHT Operations Room key press 1 (key: 27)



Roof Stuck Closed (non-critical):

If SuperWASP is stuck closed there is no immediate danger and it can be fixed remotely from the UK. In the control room of SuperWASP (the room upon entry) you must silence the alarm with the command:

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wasp@tcs> alarmset off
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Please then inform the contact people below.

Roof Stuck Open (critical):

If the roof is stuck open and the weather is bad you must try to close the roof manually. This is done by releasing the three bolts shown in the photo below and manually pushing the roof closed, this may require 2 people.

1. Release the bolt shown in the photo below, the correct spanner is taped to the bench shown in the second image.
2. Stand up on the bench and slide the roof closed all the way
3. This might be easier by going outside and pushing on the roof from there



If the roof cannot be closed (critical):

There is a blue tarpaulin in the SuperWASP instrument room. Place this over the telescope and secure it tightly. The cameras are powered from a PDU located under the bench where the spanner (see photo above) is taped. Locate this PDU and pull out all the plugs (see photo right).

Both ING Operations and the contact people below should be informed. It is possible ING operations might be able to close the roof during the day.

Important:

Once SuperWASP is OK again, reset the alarm in the WHT control room by power cycling the alarm box. The alarm is only working when the **GREEN LED** is lit. A **RED LED** means the box has been triggered and it must be reset.

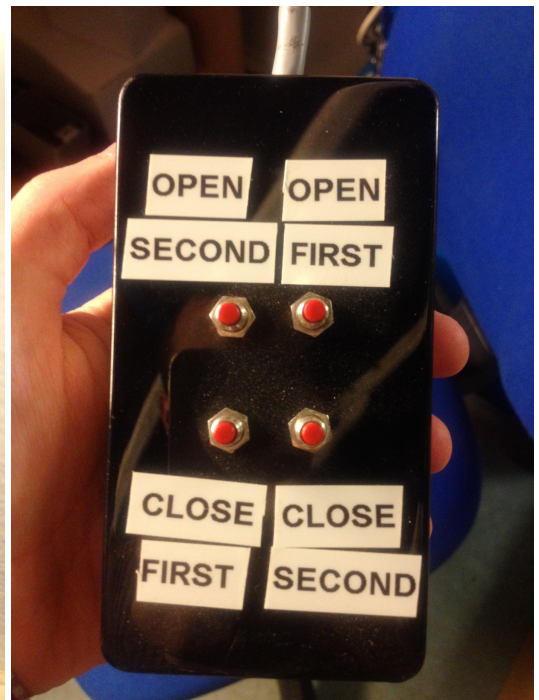


NITES

For the 0.4m telescope beside SQT (NITES) there is also no alarm in the WHT. As with SQT you will likely receive a call at night to help close the telescope in an emergency. As before, attend issues at the WHT before attending NITES.

To close to dome manually (assuming it still has power) use the following steps:

1. Get the key for SuperWASP from the WHT Operations Room key press 1 (key: 27) and pick up the NITES dome hand paddle from the SuperWASP control room. The hand paddle is on top of the air conditioning unit on the North wall (see photo below).
2. Go to the West side of the NITES dome. Under the rim of the open dome is a wire hanging from a bracket. Take this wire and plug it into the hand paddle.
3. Close the dome using the hand paddle. The labels on the paddle indicate which shutter to close first (see photo below).
4. When the dome is closed disconnect the hand paddle and push the wire back inside the dome through the gaps in the shutters. Return the hand paddle to the SuperWASP control room.
5. Inform the contact people below about what was done.



If the dome hand paddle does not work the dome no longer has power and cannot be closed manually. See the following section.

If the dome cannot be fully closed (**critical**):

If the dome cannot be closed, use the plastic bag located inside the dome to cover the telescope. The bag is located behind the extension lead on the inside rim of the dome wall. Secure tightly with a rope. Inform the contact people below and ING Operations, as the dome might be able to be repaired and closed during the day.

Contacts:

If any of the three telescopes require attention at night, please contact the following people the next day:

- James McCormac
 - +447713946903
 - jj.mccormac@warwick.ac.uk
- Don Pollacco
 - +447788992294
 - d.pollacco@warwick.ac.uk

Please inform them of the time of the fault and what was done to help fix it.