

Deployment discussion



solar orbiter



Current timeline and corresponding blocks

Block 1

First switch on	10-20 TM checks
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Block 2 : 12 min

Config ANT Z « before depl. »	Wait 10 min mini	Config ANT Z « during depl. »	Wait 1 min
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Deployment ANT Z

Block 3 : 23 min

Wait 1 min	Config ANT Z « after depl. »	Wait 10 min mini	Config i-Boom « before depl. »	Wait 10 min mini	Config i-Boom « during depl. »	Wait 1 min
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Deployment I-Boom

Block 4 : 23 min

Wait 1 min	Config iBoom « after depl. »	Wait 10 min mini	Config ANT X « before depl. »	Wait 10 min mini	Config ANT X « during depl. »	Wait 1 min
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Deployment ANT X

Block 5 : 23 min

Wait 1 min	Config ANT X « after depl. »	Wait 10 min mini	Config ANT Y « before depl. »	Wait 10 min mini	Config ANT Y « during depl. »	Wait 1 min
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Deployment ANT Y

Block 6 : 14 min

Wait 1 min	Config ANT Y « after depl. »	Wait 10 min mini	Switch off
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Questions

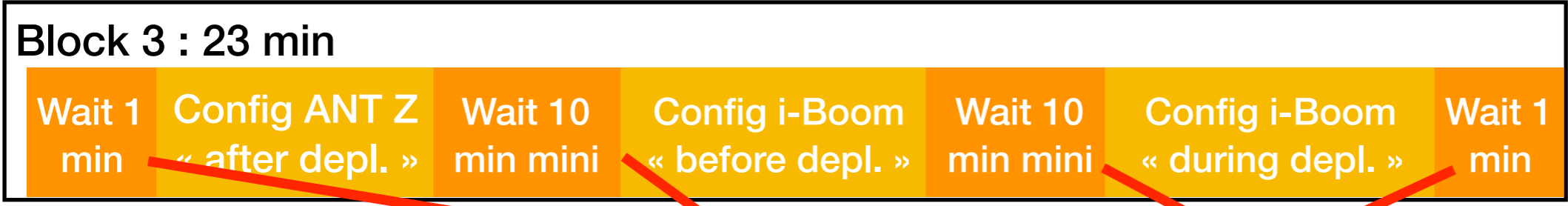
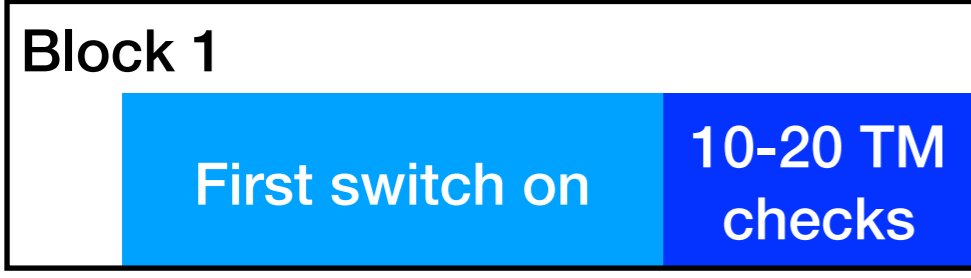
Block 1

First switch on **10-20 TM checks**

1. MOC : How will be checked the RPW TM? Which inputs (doc., soft, TM checks, etc.) are expected from RPW to support instrument monitoring and control during the operation?
2. MOC : Is it 10-20 TM packets to checks (with several values) or only 10-20 values of TM parameters ?
3. RPW : Which (specific) TM checks to add?
4. RPW : Do we configure HK period at the very beginning ?
5. How do we proceed to communicate to MOC the RPW on-board events and related action(s) to be performed (i.e, nothing to do versus switch off)? Is the table below ok ?

Produced TM packet	Continue	Switch off	Other
TM_DPU_TC_ACC_SUCCESS	X		
TM_DPU_TC_ACC_FAILURE		X	

Questions



1. Minimum times required in order to have enough data to verify the well deployment. More is better !
2. How manage the timings if the deployment is postponed by 24 hours for example ? With this proposal, RPW stays in « during depl. » config for 24h !
3. Possibility to run the blocks XX min before the deployment, where XX corresponds to the blocks durations

Our proposal

