

USO warm-up period

(information provided by Gilles Tavernier and Albert Auriol)

On-board instruments:

* **USO of SPOT-2, -3, -4, TOPEX/POSEIDON, Jason-1, ENVISAT:**
warm-up period = **40 days**

* **USO of SPOT-5 and next:**
warm-up period = **10 days**

These periods should be taken into account after launch and for the following events

TOPEX/POSEIDON: incident on 1998/12/13; switch to 2nd USO on 1998/12/21

ENVISAT: switch to 2nd USO on 2004/06/14

Jason-1: switch to 2nd USO on 2004/06/29

USO were not switched off during all the other incidents.

Ground stations:

* **beacons of 1st and 2nd generations**
no precise information; **10 days** may be considered

* **beacons of 3rd generation**
warm-up period = **10 days**

These periods should be taken into account after transmission starts and re-starts.
Unfortunately, there is no history file of the beacon cuts.