



Schedule

Schedule risk



Schedule and workflow

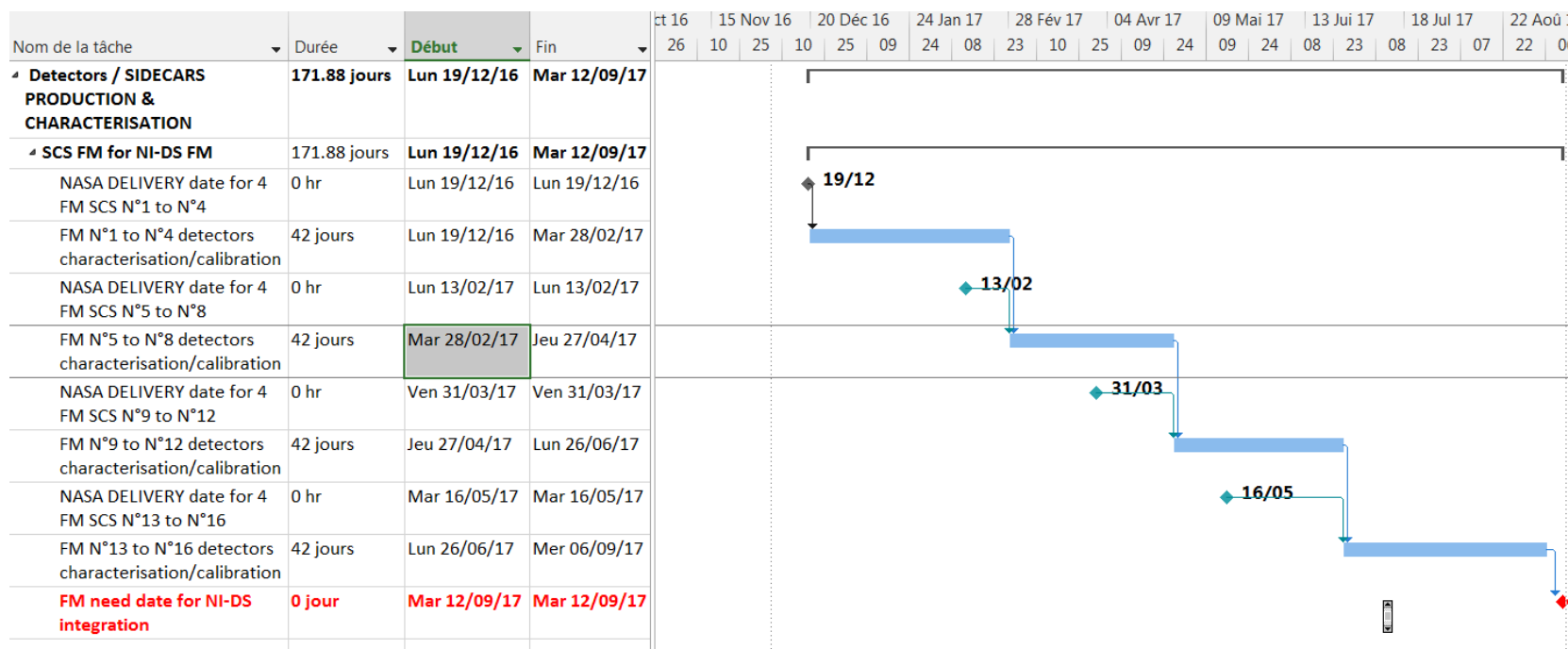
- As today, the total testing time of the workflow is 22 days.
 - Testing time means : at cold, with temperature stabilized
 - Detector reception : 1 day (w)
 - Detector mounting : 1 day (w)
 - Vacuum + Cooldown (with stable conditions): 1 ½ day
 - Test : 22 days
 - Warm-up+ dismount+ Package : 2 days (1w)

Grand total : 27 ½ day

→ One batch of 4 SCS = 55 days (≈40 working days)

Deliveries and test

- Schedule is given by batch of 4 detectors as it is foreseen to be delivered by NASA
- Full testing time (reception, mount, cooling, test, warm up, dismounting) of 42 (working) days is assumed





Schedule risk

- There is no margin in the schedule and any HW problem has a important impact
 - This impact has been minimized by having spare parts of sensitive items (Lakeshore, Keithley, vacuum pump..)
 - No spare cryocooler (but possible to borrow one in another IN2P3 lab)
 - No spare Markury (but possible to borrow at INAF)
- But in any case, a simple problem happening during test cost about one day (data taking interruption and restart)
- A serious problem with need to warm-up and cool-down is about 5 days (≈ 1 day data loss, 1 day warm-up, 1 day solving the problem, 1 $\frac{1}{2}$ day cool down)
- If needed a revision of test plan is possible
 - By giving-up reference detector (testing 2 SCS at time in each cryo)
 - By shortening some tests