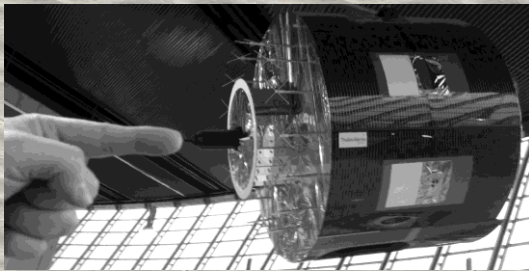


## ***MSG4 FLIGHT CONTROL TEAM CONCLUDES A VERY INTENSE SIMULATION CAMPAIGN ON JULY 2<sup>nd</sup> AND IS READY FOR LEOP!!***



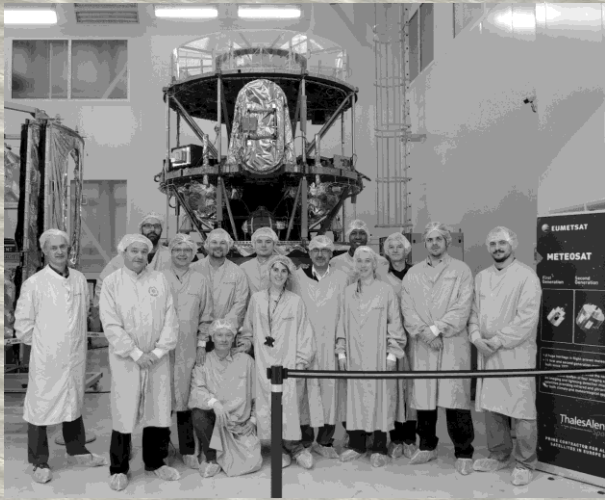
Long and intense was the task of MSG4 FCT (Flight Control Team) during intense weeks of Simulations.

The Activities started however well before the formal Simulation campaign with a very friendly atmosphere when the

Team decided to pay a visit to their beloved Spacecraft in its baking Room at Thales in Cannes, France. There the team created a strong bond that contributed throughout the entire campaign where everyone felt as part of a big family.



Even a new Family member was welcomed, the "Frosch Wilhelm", a distant cousin of the well-known MSG Frog Cooper!



However they knew that the task ahead would not be easy and the Simulation Officer, Mr. Baldo Carvalho, assured it by hard pushing them all the time. As such, the campaign started last March and counted with the lead of the OD-A (Operation Director) Mr. Head and the SOMs (Spacecraft Operation Manager) Mr. Foley and Mr. Keck. The main objective was

the training of the SOEs (Spacecraft Operation Engineers) divided in two FCT shifts. As such, while the FCT-A lead by Mr Foley was composed by Mr Pantaleoni, Mr Anderson and Mr Minigiannis, the FCT-B was led by Mr Keck and composed by Mrs Huebner and Mr Martin. Later on, also Mr Steiger joined the team in the role of OD-B, contributing with a solid operations experience. Also part of the team was the SPACONs team composed by Mrs Boere, Mr Hitchman and Mr Suleman.

The campaign started with moderated contingencies and gradually increased the level of difficulty. Diverse situations were faced involving not only spacecraft failures but also creative situations involving OM team Mrs Arza, Mr Reynolds and Mr Dugast. with supporting Ground stations Kourou, Maspalomas, Perth and Malindi interpreted by the Sim Officer.

Also very intense was the training of the Data Systems Team led by Mr di Girolamo and Mr. Klug and composed by Mr. Larsen, Mr. Brabbin, Mr. Tan De and Mrs Larsen, to which they responded well above expectations with demonstrated full awareness of the MCS (Mission



Control System) with high flexibility when adapting to not foreseen situations, even when under stress factors.



But things did not run as planned from the beginning. "...Oh my God! The GW was crashing all the time and almost spoiled the party..." referred the Sim officer to the Simulated Ground stations, known as the BMOTT-Gateway when loosing TM a couple of times during the begin of the campaign. A quick and creative fix was however invented that made the campaign possible. And off course it should have been a "Repetition" of MSG-3 campaign but "how could I, such a team deserved the best!", said Sim Off. As such, known single failures were reshuffled in such a way to compose a brand new campaign which led to the discovery of many hidden points in the MCS and FOP.



But there comes the Sims Campaign...and AOCs engineers Mauro and Jutta were required to calibrate the propulsion. While Mauro carefully verified the thrusters, Jutta, checked the temperatures very carefully, hoping that the SPACONS would not report Out of Limit

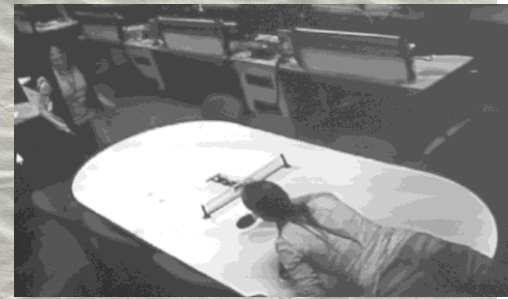
Off course tension was raising during every Sim as the Sim officer injected complex and nasty failures for the desperation of the poor SOEs, sometimes even missing commands in their Sequences. Off course not too realistic failure according to Sentinel-2 LEOP!

And what was that Camel story again Steve? Thanks to that we discovered a very cute Photo of our Spacon Mirjam.



Maybe he'll reveal that only after that huge bottle of MSG4 wine he got with help from our dear Customer Rep Flavio Murolo.

And it was a long campaign...and with very high Quality supported by our QA Mr. Scaglioni and Mr. Schoonmade. And FCT had to keep fit even during some lack of activities, so a new Sport modality was invented: The MSG4 Baby-Sitting MCR Ping-Pong. But we still don't know the score of that game...who won Jutta?



We appreciated every single simulation and the contribution of everyone. It would also not be a success without our colleagues from PST and FD. And as the LEOP approaches everyone is feeling ready to fly and eager to send the first command: Hello MSG4!!"

And here some quotes from Sims for our amusement...

AOCs: SOM, I think the LAM is still Firing  
 SOM: Maybe we could ask God what is going on during this Nominal Sim  
 SimOff: Even God does not know!  
 SOM: Thank you God!

Mirjam: Jutta, do you also have the feeling we are being traded here? I wonder how many camels they have asked for us...

Gust: Once I was in Egypt and I learned a pretty girl is worth around 200 camels  
 Frank: Our girls are priceless!!  
 Steve: tells the Camel Story...  
 Frank + Jutta: Steve, what did you do in British military?  
 Steve: I looked after the camels of course.....

SWS: SOM we have a runaway process filling up the disk. I'll save the file for later analysis to see if it's picture  
 SOM: I hope it's no picture of a camel

And just before finishing, one could hear an Italian SoftCoord thinking about the Sicilian Virus: "When I see that I just act as nominal!" ■

