Operations Plan of the Day

Friday, 3 August 2007, 1100 UTC

General Remarks:

In a westerly flow, a short-wave trough stretches from Norway into Corsica across COPS area in the morning hours. A ridge builds up over the eastern Atlantic Ocean while the trough moves away to the east.

In the morning hours of **Friday**, mid-level and low-level clouds produce some scarce stratiform rain. With both diurnal evolution and the on-coming ridge, this cloud cover will turn into Cu clouds in the afternoon. In bright intervals, mediocris or even congestus Cu are likely. A few light showers can be expected in the afternoon dying out in the evening. Thunderstorms are not likely as the convective storms should remain rather shallow.

On **Saturday**, a plume of warm air in the mid-troposphere is advected aloft, increasing the stability and leading to little cloudiness and fine weather. The axis of the strong ridge from the Atlantic passes the COPS area on Sunday.

Similar weather is expected on **Sunday**. Renewed warm air advection from the southwest should commence during the day, which will likely turn out to be warm. The sky should remain mostly cloud-free on Sunday.

On **Monday**, a trough upstream of the ridge amplifies and becomes oriented from Ireland to Portugal. On its eastern flank an increasing Southerly low level flow is expected to develop over western France that advects warm air northwards. A warm day with a few convective clouds over the mountains is forecast in the COPS region. A quite remarkable consensus exists among the numerical models about the approach of a new trough on Monday and Tuesday. It appears most likely that no convective storms will affect the COPS region before the night of Monday to Tuesday. However, various ensemble forecast systems suggest that a chance of about 25% exists that rain affects the COPS area earlier.

On **Tuesday**, convective storms that may be embedded within frontal cloudiness, are expected to affect the COPS area during the day.

Since the cut-off low does not move much after reaching Brittany, the COPS area will still experience a South-westerly unstable stream thereafter. Behind the frontal wave that crosses the COPS area on Tuesday; disorganised convection is more likely in the course of Wednesday. According to GFS and ECMWF, more thunderstorms will come on Wednesday and Thursday.

Operations summary:

# Day X (Friday):	**no IOP**
# Day X+1 (Saturday):	**Down Day**
# Day X+2 (Sunday):	**Down Day**
# Day X+3 (Monday):	**no IOP**
# Day X+4 (Tuesday):	**IOP possible**
	If no IOP is performed, a debriefing discussing IOPs 12 and 13 will take place in the meeting room Venezia.

Mission Plans:

Day X, Friday, August 03: no IOP

Specifications of vertical soundings:

# EUCOS-MeteoSwiss:	05, 17 UTC (Payerne; launching time)
# EUCOS-DWD:	05, 17 UTC (Meiningen, M, S; launching time)

Radar systems:

Radar observations should continue until precipitation ceases

Day X+1, Saturday, August 04: Down Day

Day X+2, Sunday, August 05: Down Day

Day X+3, Monday, August 06: no IOP

Day X+4, Tuesday, August 07: IOP possible

Your COPS Operations Center Team

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