

LIST OF FIGURES

- Figure 1a:** Performance of the four different tests (in % of the total cloud cover) as described in section 3.1 (Meteosat-6, day 97171, time 12 UTC)
- Figure 1b:** Clouds detected by only one of the tests (in % of the total cloud cover) as described in section 3.1 (Meteosat-6, day 97171, time 12 UTC)
- Figure 2:** Cloud analysis results (Meteosat-6, day 97171, time 12 UTC), with
- | | |
|------------|---------------------|
| Green | - land |
| Blue | - ocean |
| Dark grey | - low-level clouds |
| Light grey | - mid-level clouds |
| White | - high-level clouds |
- Figure 3:** Total cloud cover for four different sensitivities of SCE on the results of the previous image (Meteosat-6, day 97171), with:
- run0 - no dependency on the previous image
 - run1 - use of the results of the previous image, if the differences in the VIS and the IR channel is below twice the noise level.
 - run2 - use of the results of the previous image, if the differences in the VIS and the IR channel is below three times the noise level.
 - run3 - use of the results of the previous image, if the differences in the VIS and the IR channel is below noise level.
- Figure 4:** Total cloud cover for two different sensitivities of SCE on the results of the previous image (run1 and run 2 as described in figure 3), simulating a failure of the VIS channel in the second image (Meteosat-6, day 97171)
- Figure 5a:** Comparison of the cloud detection and analysis results between CLA and the operational MPEF histogram analysis for mid- and high-level clouds (Meteosat-6, day 97171)
- Figure 5b:** Comparison of the cloud detection and analysis results between CLA and the operational MPEF histogram analysis for low-level clouds (Meteosat-6, day 97171)
- Figure 6:** Cloud analysis results (GOES-8 imager, day 97171, time 17:45 UTC), with the colour scheme as described in figure 2
- Figure 7:** Cloud analysis results (GOES-8 sounder, day 97171, time 17:46 UTC), with the colour scheme as described in figure 2

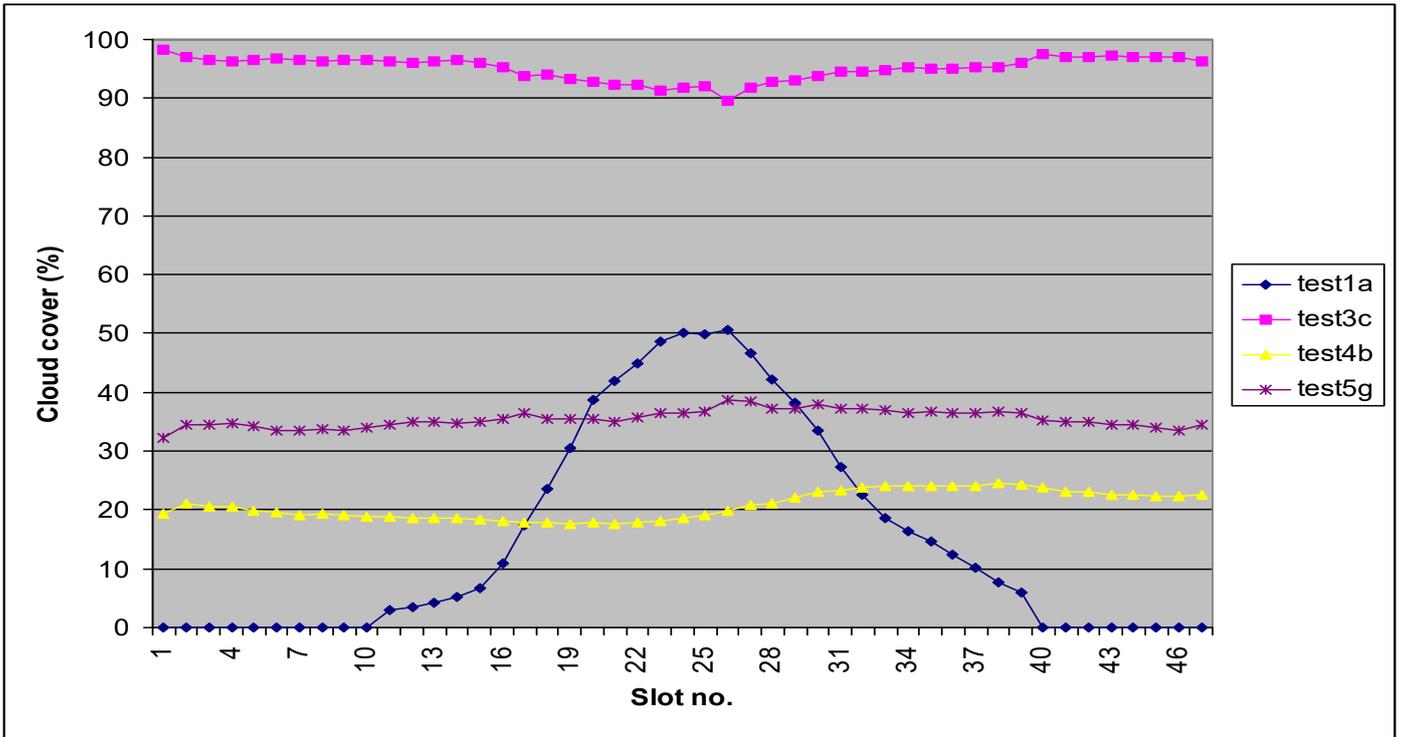


Figure 1a: Performance of the four different tests (in % of the total cloud cover) as described in section 3.1 (Meteosat-6, day 97171, time 12 UTC)

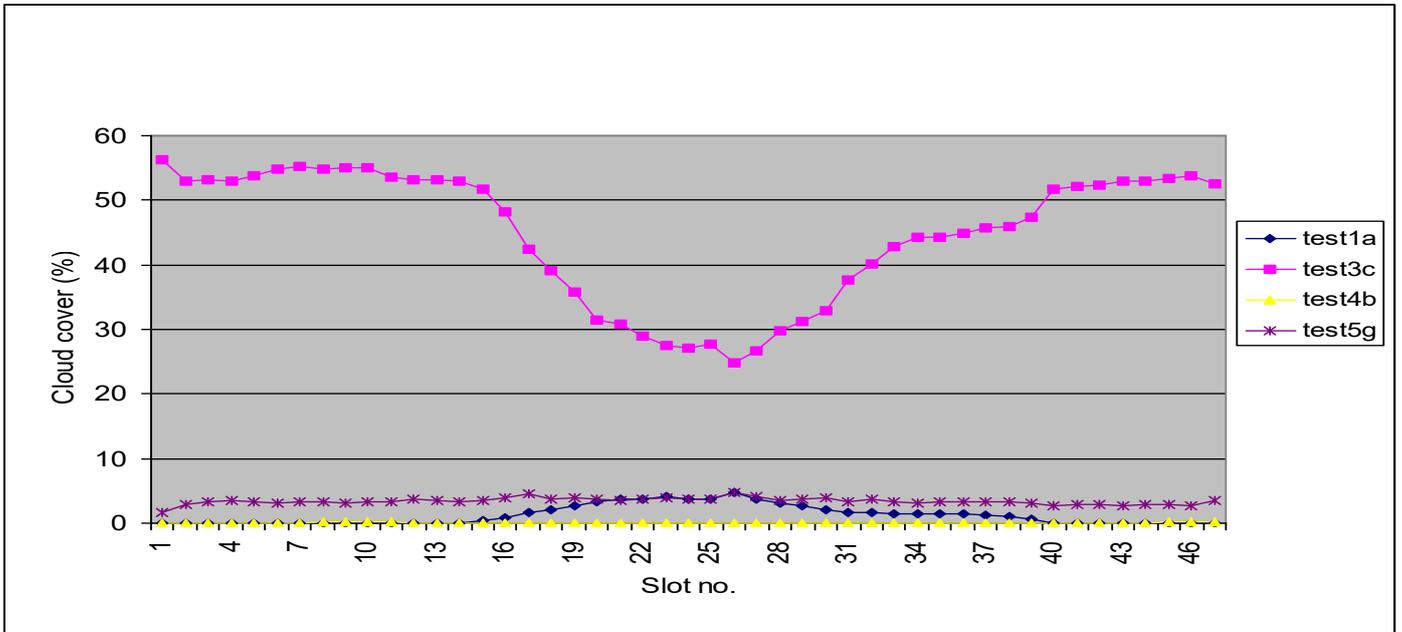


Figure 1b: Clouds detected by only one of the tests (in % of the total cloud cover) as described in section 3.1 (Meteosat-6, day 97171, time 12 UTC)

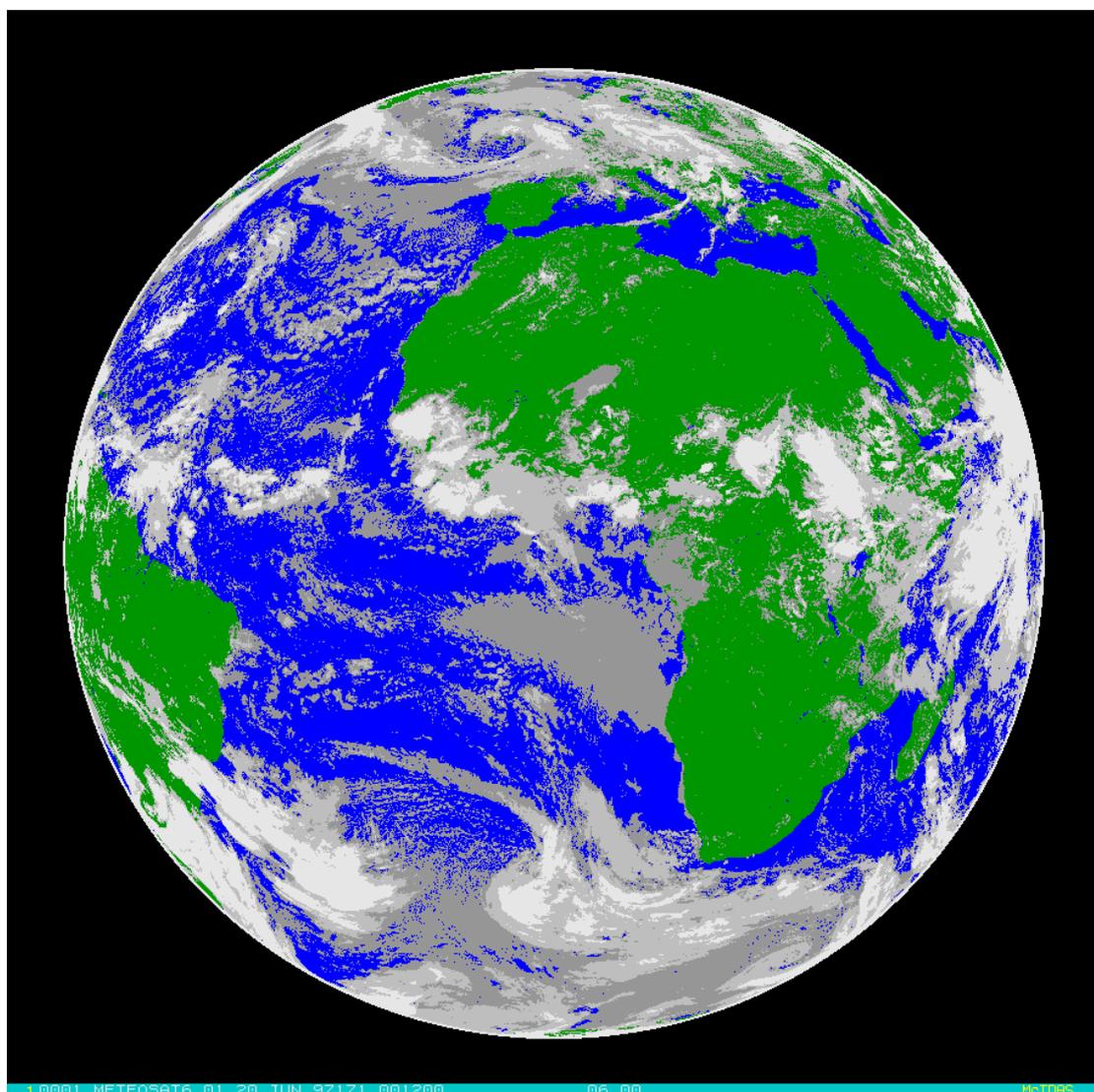


Figure 2: Cloud analysis results (Meteosat-6, day 97171, time 12 UTC), with

Green	- land
Blue	- ocean
Dark grey	- low-level clouds
Light grey	- mid-level clouds
White	- high-level clouds

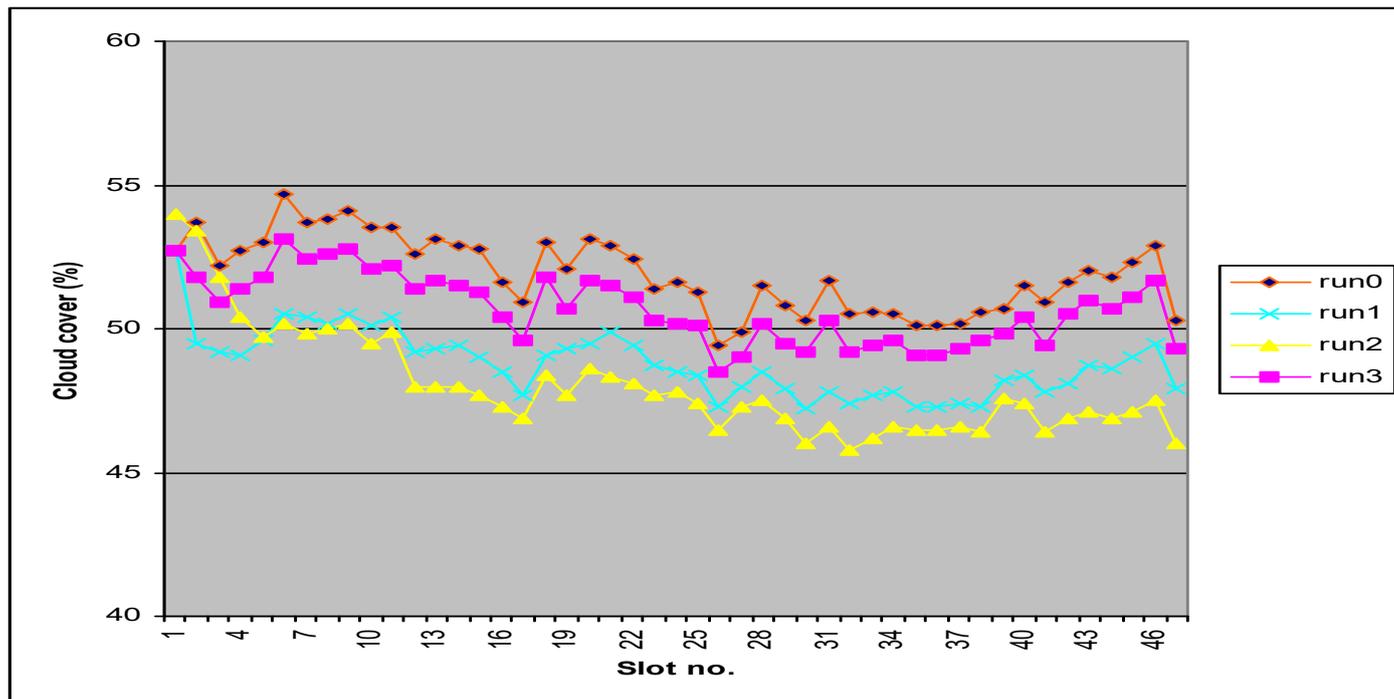


Figure 3: Total cloud cover for four different sensitivities of SCE on the results of the previous image (Meteosat-6, day 97171), with:

- run0** - no dependency on the previous image
- run1** - use of the results of the previous image, if the differences in the VIS and the IR channel is below twice the noise level.
- run2** - use of the results of the previous image, if the differences in the VIS and the IR channel is below three times the noise level.
- run3** - use of the results of the previous image, if the differences in the VIS and the IR channel is below noise level.

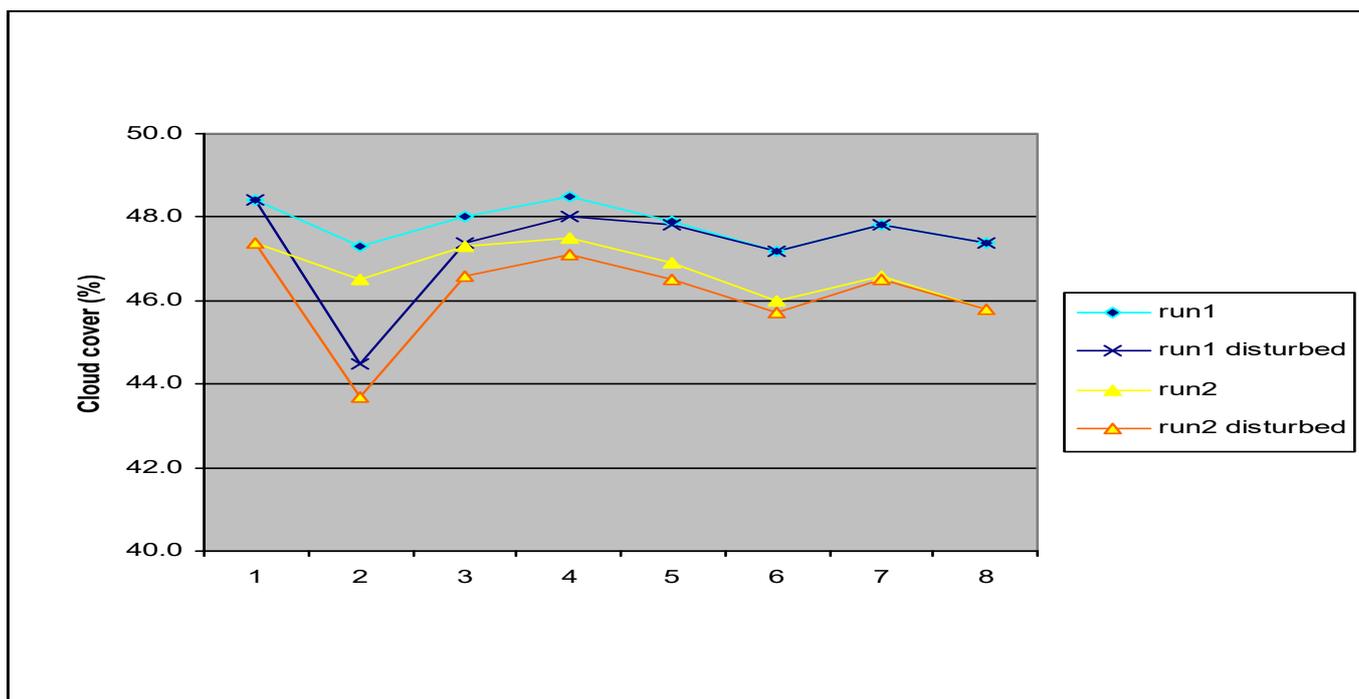


Figure 4: Total cloud cover for two different sensitivities of SCE on the results of the previous image (run1 and run 2 as described in figure 3), simulating a failure of the VIS channel in the second image (Meteosat-6, day 97171)

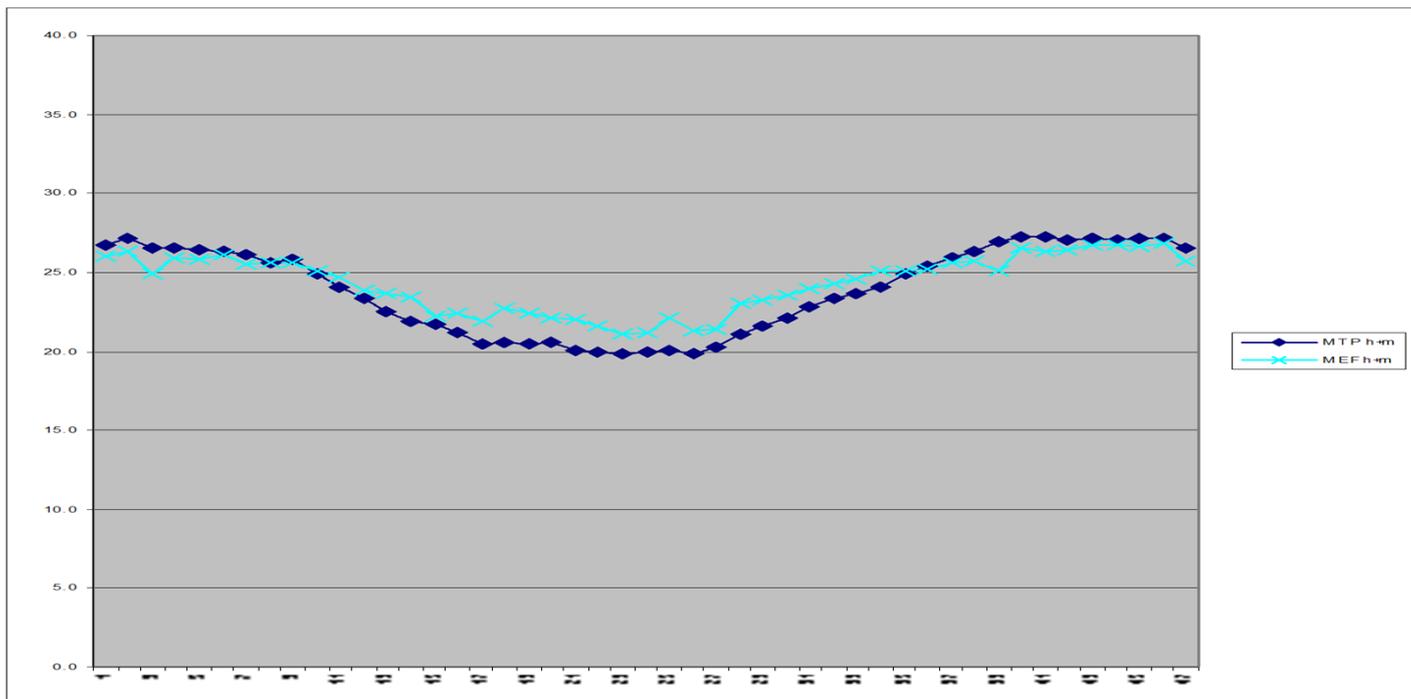


Figure 5a: Comparison of the cloud detection and analysis results between CLA and the operational MPEF histogram analysis for mid- and high-level clouds (Meteosat-6, day 97171)

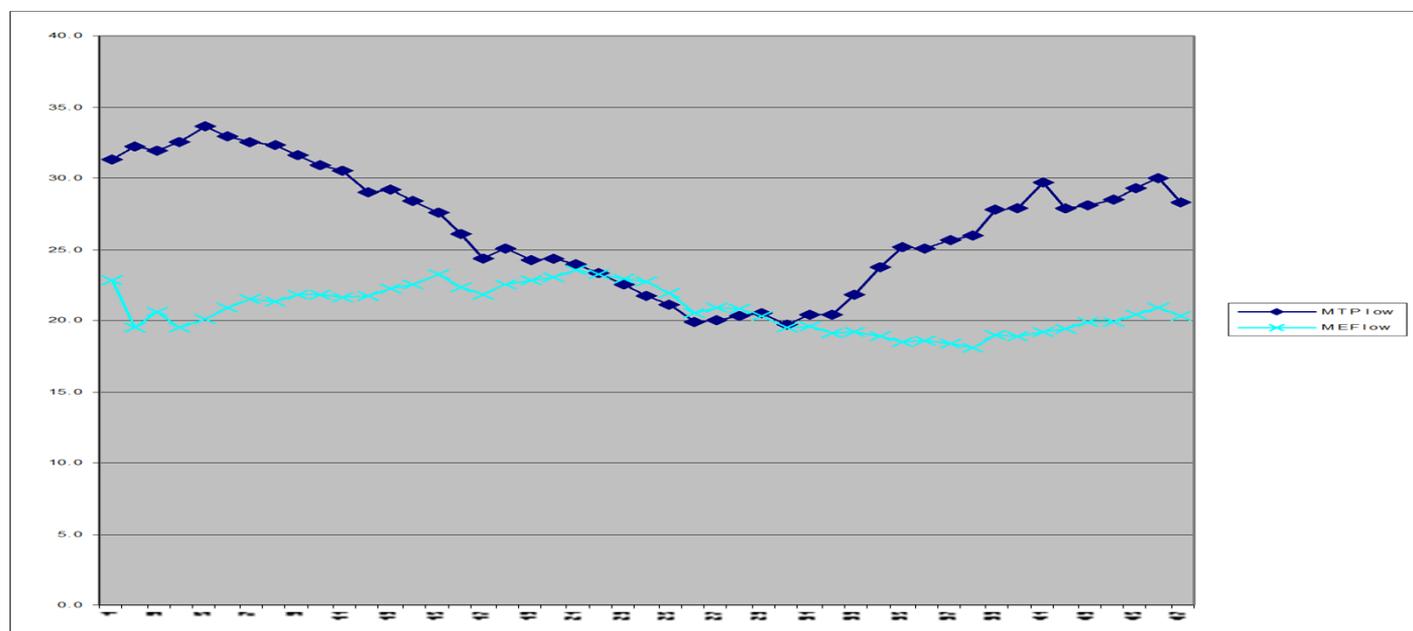


Figure 5b: Comparison of the cloud detection and analysis results between CLA and the operational MPEF histogram analysis for low-level clouds (Meteosat-6, day 97171)

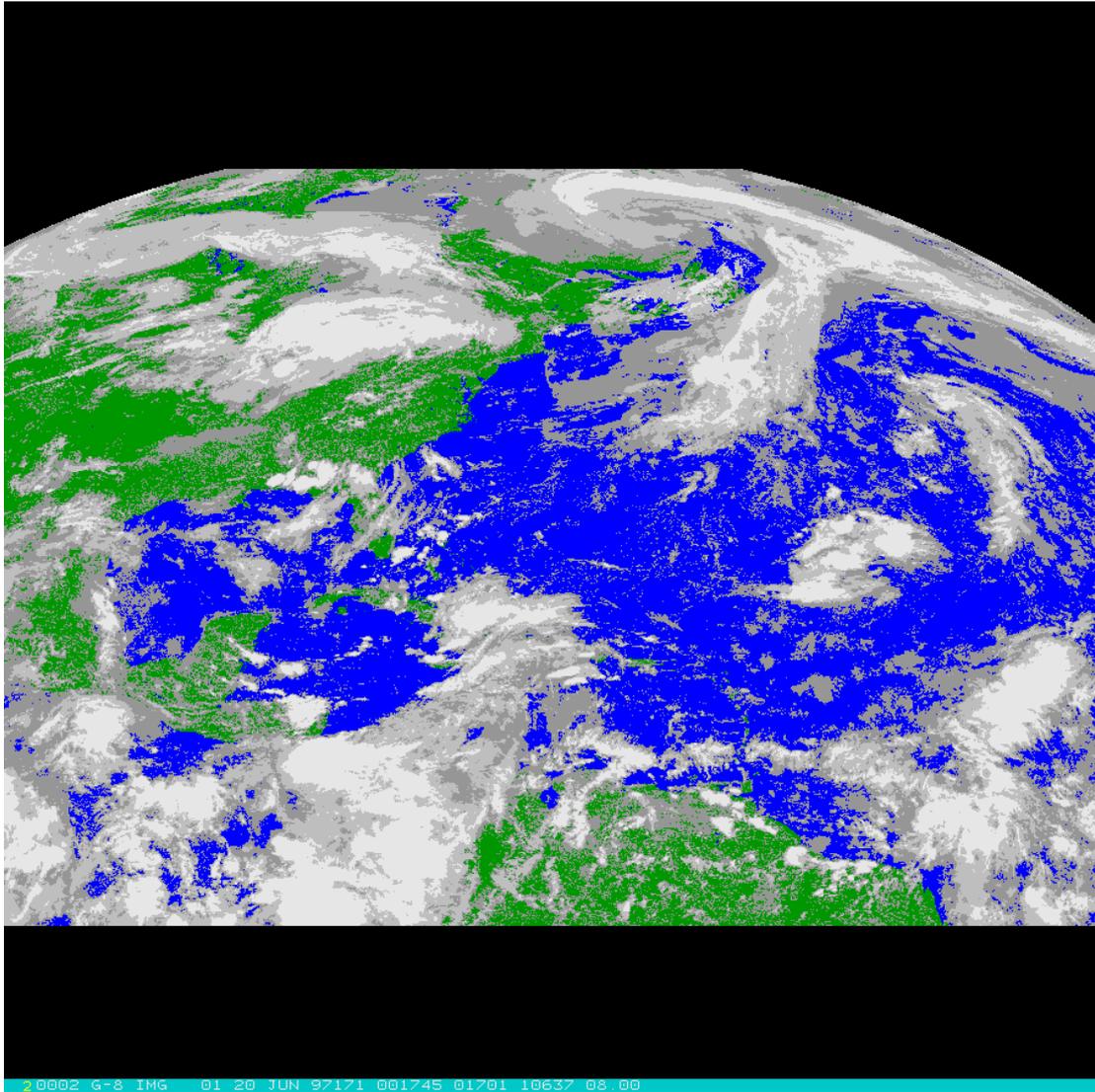


Figure 6: Cloud analysis results (GOES-8 imager, day 97171, time 17:45 UTC), with the colour scheme as described in figure 2

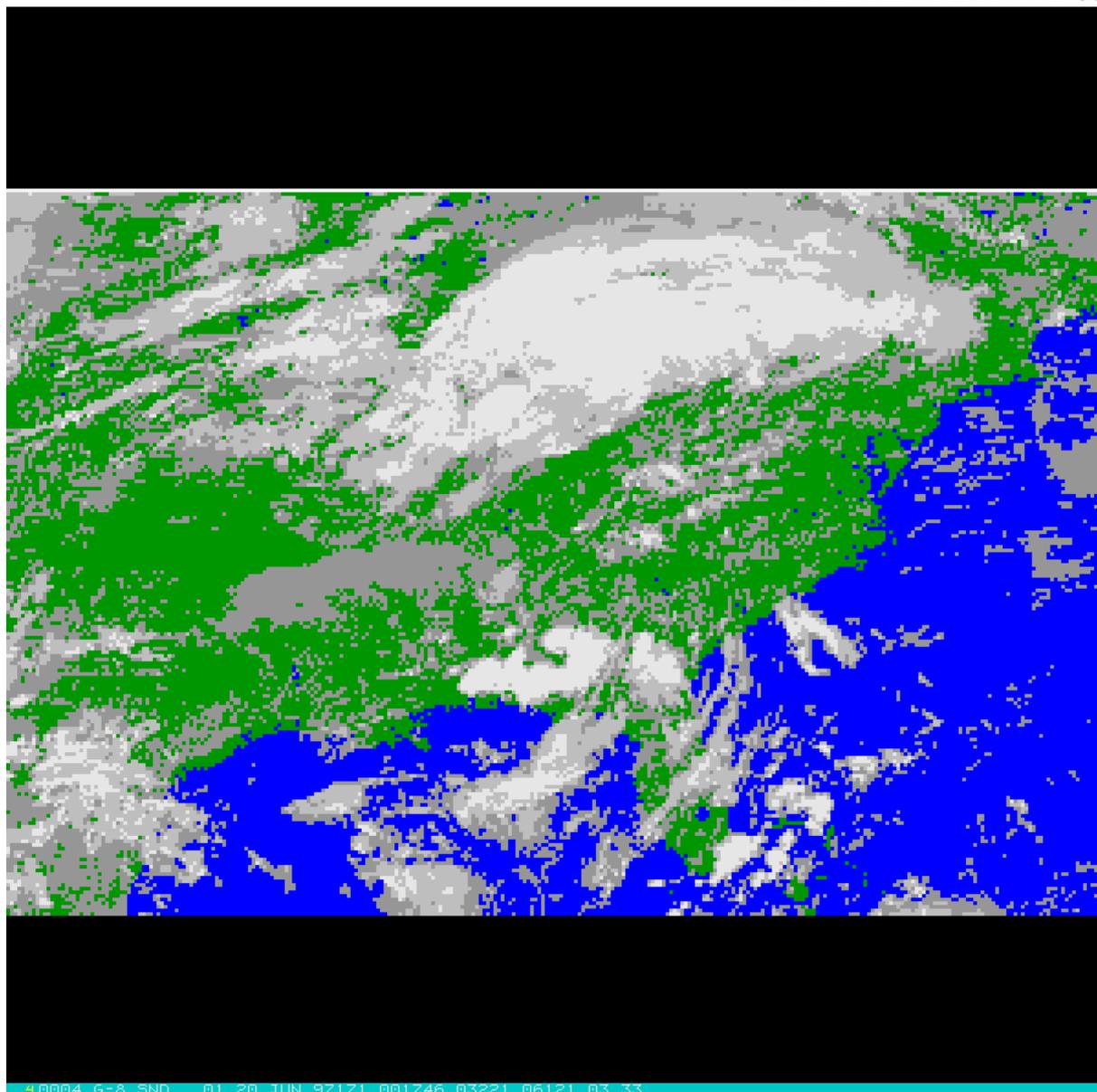


Figure 7: Cloud analysis results (GOES-8 sounder, day 97171, time 17:46 UTC), with the colour scheme as described in figure 2