Contribution ID: **9**   Type: **30 minute oral presentation**

Met Office HPC Update

Monday, 24 September 2018 14:15 (30 minutes)

The Met Office is currently running 3 large Cray XC40 supercomputers based on Intel Xeon processors and host a small number of more experimental systems, including the GW4 Consortium's *Isambard* machine which includes Cavium ThunderX2 ARM processors. This presentation will give an overview of these systems and will include some performance comparisons obtained on them. An overview of the current operational models run by the Met Office will be given, along with an explanation of how reliable runtimes for the high resolution deterministic configurations were obtained. Recent work on optimisation will be reviewed including experiments with a 32-bit precipitation scheme.

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Track Classification: 18th Workshop on high performance computing in meteorology