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An update of HPC at the JMA

Wednesday, 26 September 2018 10:30 (30 minutes)

The Japan Meteorological Agency (JMA) signed a contract with Hitachi for the tenth-generation HPC system introduced in June 2018.
This system consists of two Cray XC50 supercomputers with Intel Xeon Skylake processor and three DDN Lustre file systems each, and was evaluated about 10x the performance of previous systems by the benchmark test.
We plan to update almost all operational models with new powerful supercomputers, and model update will contribute to providing more accurate meteorological information for disaster risk mitigation.
This talk will describe some efforts of migration from the previous POWER system to the Xeon system, the performance of the new HPC in the preliminary experiments, and the plan of updating the atmospheric models.

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