

Inspection of HSC images after external vacuum pump trouble in Mar 2024

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- On the daytime of March 24, 2024 HST, while HSC's dewar was being evacuated with an external vacuum pump at the top of the Unit Selector (US) on the Top Unit Exchanger (TUE) floor for preparation of the coming observing run, a malfunction occurred in the vacuum pump.
- The turbo pump stopped running (though the scroll pump for rough vacuuming kept working after this accident), which caused deterioration of the dewar vacuum level from 10^{-6} Torr to 10^{-2} Torr.
- Comparing the z -band domeflat images between the two observing runs before and after this issue, no significant changes were seen except for two CCDs of DET-ID = 041 (0_16) and 059 (1_17).

