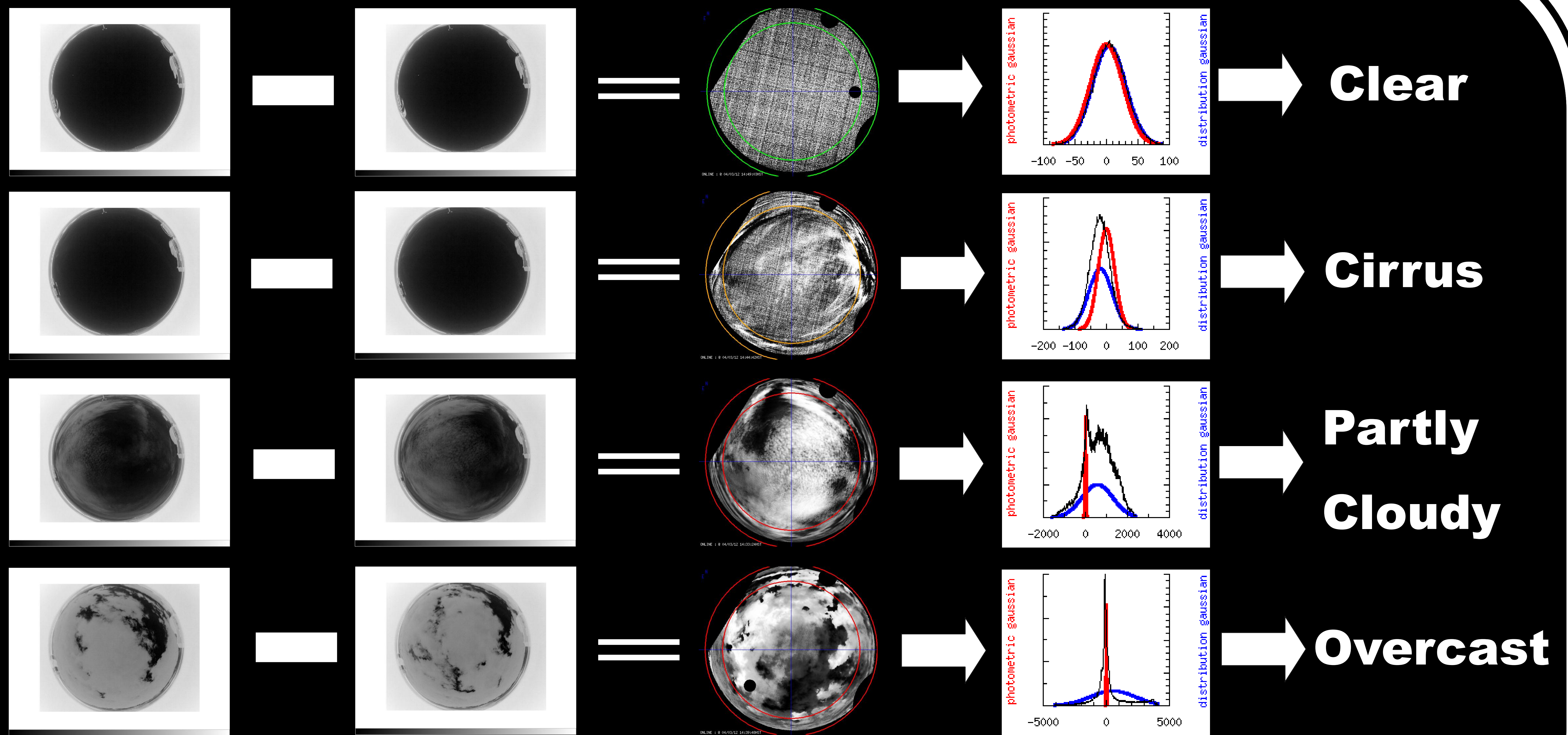


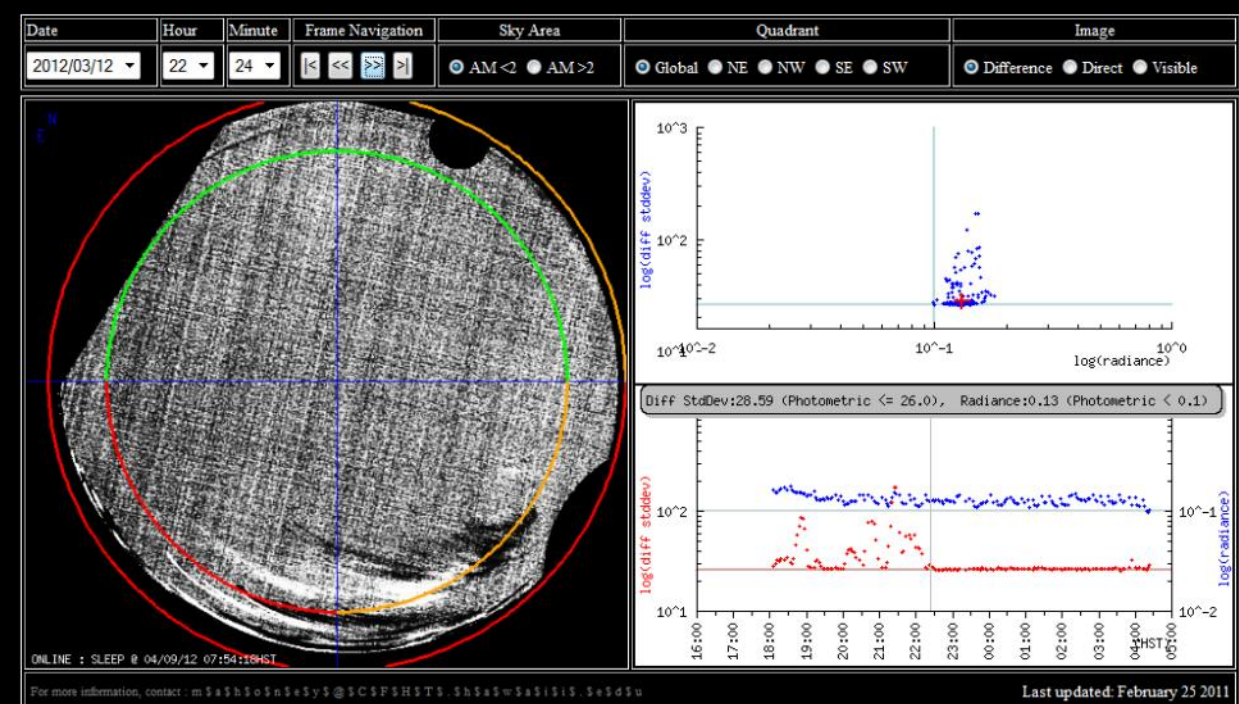
# Autonomous Real-time All-sky Cloud Detection over Mauna Kea



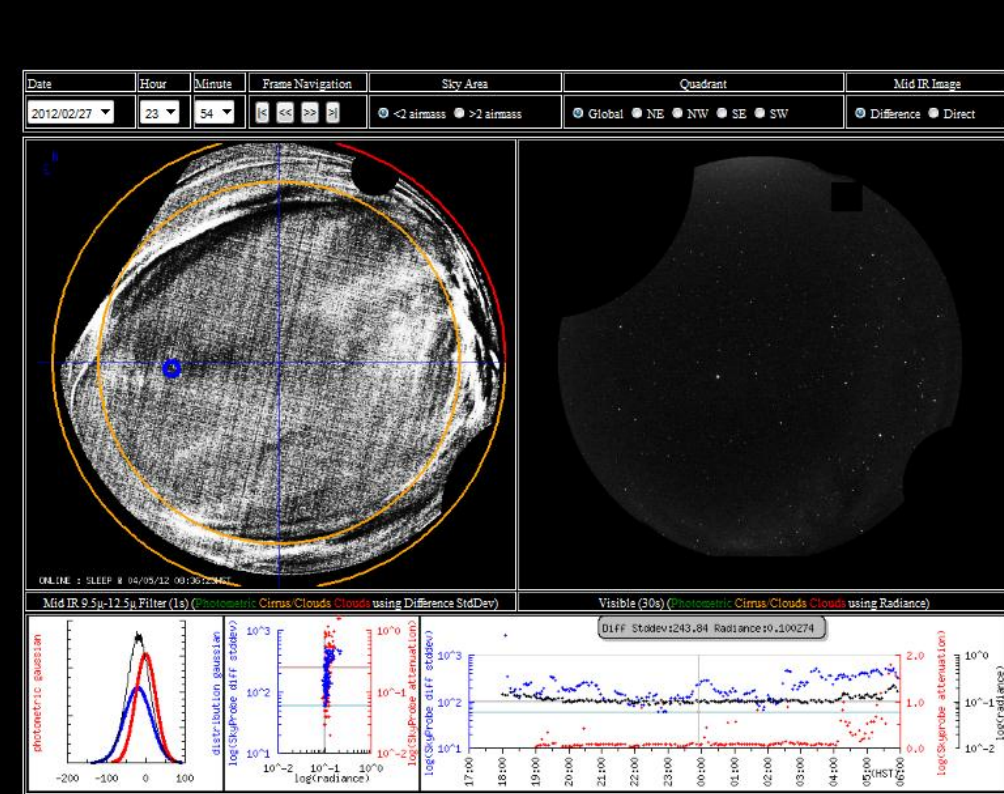
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Four-feature patterns constructed from the three Gaussian coefficients of the distribution of the differential data and the mean ADU of the newer image are processed with a multi-classifier that has been trained with hundreds of samples of each classification.



Default processing yields photometric evaluations for the all-sky region (< 2 airmass) and its four quadrants.



Regions as small as 40x40 (pixels) can be evaluated for photometric sky conditions.

CFHT's weather-sensing system provides data that enables automated operations.

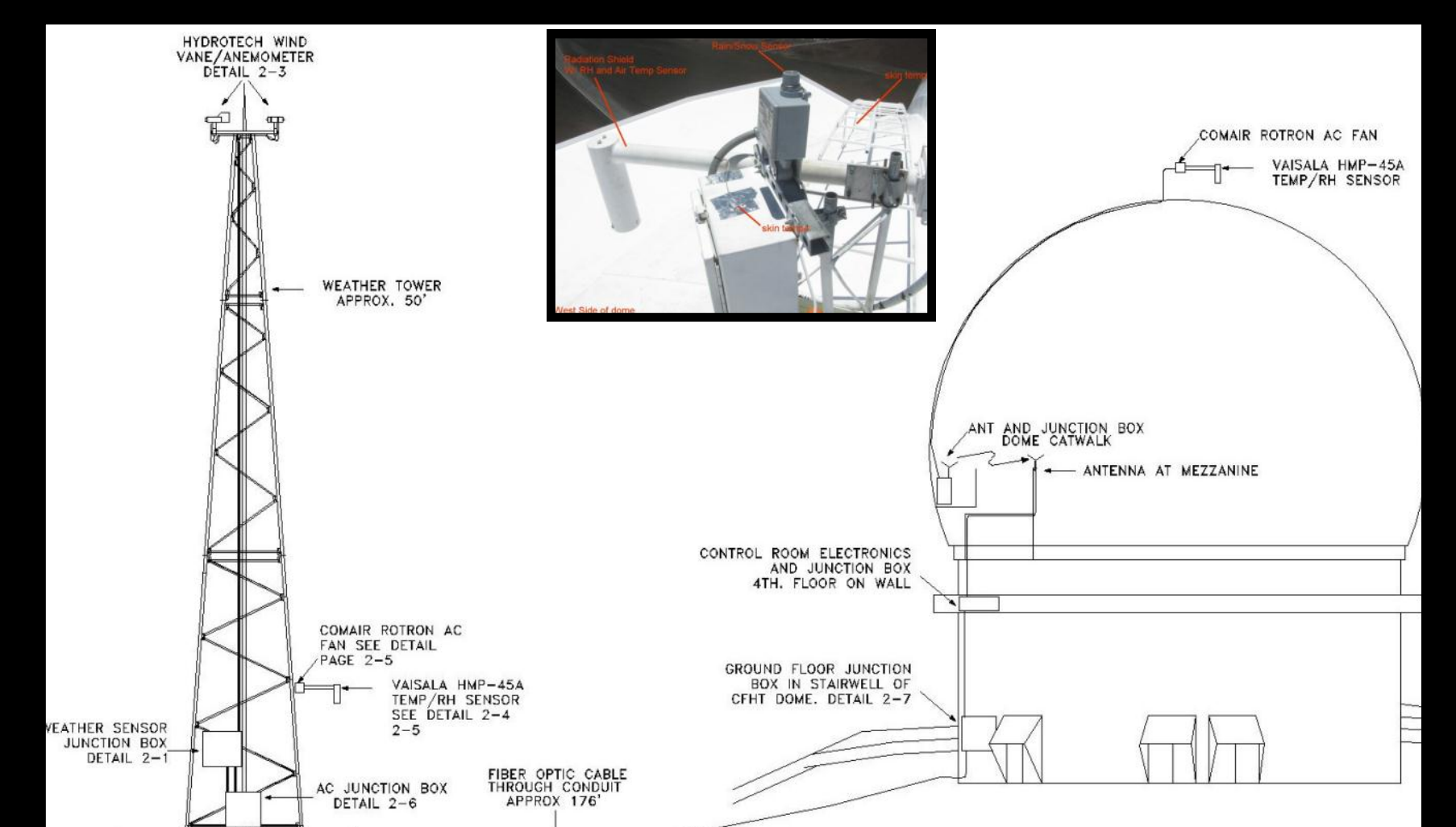


Image processing against the watchdog webcam data yields whether the device is frozen and operable.

