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Airborne Thermal Imaging for Wildlife Surveys

Taking the level of wildlife surveying to the next level, infra-red cameras have the potential to accomplish research through more thorough, accurate, and cost-effective methods. Infra-red video captured from a camera attached to the bottom of a plane is analyzed with custom Matlab code to isolate still frames and video clips that illustrate the various types of signals observed during the test flights. These results are used to tailor the code to make it smarter and make the data more easily analyzed and manipulated for data gotten from future flights.