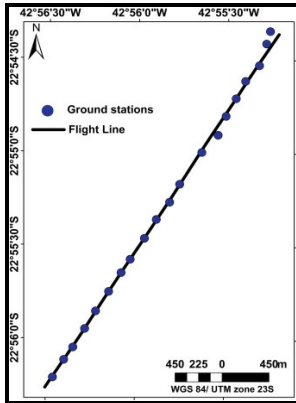


Calibration Procedure For an Airborne Gamma-Ray Spectrometer.

s.n - A Drone as Platform for Airborne Gamma



Description: -
-Calibration Procedure For an Airborne Gamma-Ray Spectrometer.

-
Paper (Geological Survey of Canada) -- 76-16 Calibration Procedure
For an Airborne Gamma-Ray Spectrometer.

Notes: 1
This edition was published in 1976



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A Drone as Platform for Airborne Gamma

The correlation between these parameters enabled using the thorium concentrations as a proxy for clay-content.

A Drone as Platform for Airborne Gamma

Circle of Investigation of an Air-borne Gamma-Ray Spectrometer.

A Drone as Platform for Airborne Gamma

Outlook It has been shown that the data collected with a drone matches the data collected by conventional ground or airborne measurements. Conclusions The development of a gamma-ray detector system that can be mounted under a drone has allowed the fast and efficient mapping of environmental radioactivity.

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This field was selected because of its inhomogeneous spatial composition and accessibility for ground-borne measurements.

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Figure 1: Difference in viewing area between ground and drone measurements.

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International Atomic Energy Agency, 5, 179. A precise determination of the shape and intensity of these curves is essential for determining absolute concentrations. Two test cases are discussed in which the use and accuracy of this platform is validated for precision farming as well as

locating and monitoring radioactive contaminations.

The construction of gamma

Monte Carlo based calibration of scintillation detectors for laboratory and in situ gamma ray measurements.

The construction of gamma

Calibration procedures The model for height corrections presented by the IAEA is based on an approximation using a linear attenuation model. These response curves are determined for this detector system by Monte Carlo modelling and validated by a calibration procedure van der Graaf et al. As a result of weight and power optimization a spectrometer system based on a 1.

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