The thermal investigation by aircraft MSS on Kuchinoerabujima

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To properly evaluate the activity of Kuchinoerabujima, JMA(Japan Meteorological Agency) consigned the thermal investigation by aircraft MSS(MultiSpectral Scanner) to Nakanihon Air Service Ltd., and executed two times in March,2006 and January,2007. The thermal investigation by aircraft MSS has sum advantage that the influence of insolation is not received because the observation is executed after the sunset, the thermal activity of the whole area of mountain can be understood because it measures with the scanning type multi wavelength spectrum measurement machine. On the other hand, the observational data becomes a huge amount because it should do several-time investigation flight secure high resolution data. Therefore, the analysis was difficult on a general computer and did not become a quantitative grasp.

Report in this announcement, extract the analytical object area from the huge observational data of aircraft MSS, and tried the calculation of the amount of heat radiation for quantitative grasp of thermal activity in the future. From the comparison of two investigation results, the rise of the thermal activity around the Shindake crater was confirmed.