**Va-P013** Room: Lounge Time: June 25 17:30-19:00

Late Miocene to Pleistocene caldera volcanoes and gravity anomalies in the 1:200,000 Nikko quadrangle, NE Japan

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The 1:200,000 Nikko quadrangle, located in the southern part of the NE Honshu arc, has been compiled by GSJ. After 10 Ma, this quadrangle region was uplifted and caldera-forming felsic volcanisms began. The about 20 calderas are 4 to 20 km in diameter and filled by thick pyroclastic flow deposits, intercalated caldera collapse breccia, and overlying post-caldera lacustrine sediments. Most calderas have prominent low gravity anomalies corresponding to several-km-deep subsidences. However, some resurgent calderas own high or ambiguous amomalies. It is plausible that plutonic bodies have intruded into such resurgent calderas.