Motivated by some previous results about compactness of Hankel operators on Bergman spaces, we partially characterize the compactness of such operators with symbols continuous up to the closure of bounded convex and bounded Lipschitz domains in $\mathbb{C}^n$ for $n \geq 2$. These results use the geometric structure of analytic varieties in the boundary of such domains. In this manner we obtain a complex geometric condition on the symbol from an operator theoretic condition on the associated Hankel operator. (Received August 02, 2018)