962-47-807 **Jingbo Xia*** (jxia@acsu.buffalo.edu), Department of Mathematics, State University of New York at Buffalo, Buffalo, NY 14260, and **Dechao Zheng**, Department of Mathematics, Vanderbilt University, Nashville, TN 37240. *Standard Deviation and Schatten Class Hankel Operators on the Segal-Bargmann Space.*

We give a necessary and sufficient condition for Hankel operators H_f and $H_{\bar{f}}$ on the Segal-Bargmann space $H^2(\mathbf{C}^n, d\mu)$ to belong to the Schatten class $\mathcal{C}_p$ for $1 \leq p < \infty$. We will explain that, since this condition is valid in the case $1 \leq p \leq 2$ as well as in the case $p \geq 2$, this result reflects the structural difference between the Segal-Bargmann space and other reproducing-kernel spaces such asthe Bergman space $L^2_a(B_n, dv)$. (Received September 26, 2000)