

Operation Status of TLS at SRRC, J. CHING, M.J. HORNG, C.C. KUO, K.Y. KUO, J.A. LI, T.H. LI, Y.K. LIN, G.H. LUO, R. SAH, W.D. WEY, SRRC - Taiwan Light Source (TLS) provided only three beam lines to synchrotron user at 1993 Light Source Dedication. The fast expansion of users' community pushes TLS to build more beam lines and install three insertion devices at straight sections. To fulfill the increasing beam time requests, SRRC enhances operation qualities by deploying full-time operation team, operating TLS around the clock, increasing the beam energy and stored beam current, installing active feedback system and putting extra tuner to detune the troublesome high-order-mode. The beam stability reaches 0.5% peak-to-peak variation and long term orbit drift can maintain within 50 um. The competent engineers and well-trained technicians make the fine tune and upgrading projects carry out smoothly with minimized machine down time. Operation experience and statistic data will be provided in this paper.