Auroral activity observed during the SC event on June 22 in 2015 *Akira Kadokura¹ 1.National Institute of Polar Research Auroral activity observed at Syowa Station during the SC event on June 22, 2015 will be analyzed. Some features of this event are as follows: (UT) 18:03 Shock arrival at ACE position 18:33 SSC at Kakioka, maximum:+104nT 18:33:30 SC magnetic variation start at Syowa 18:34 Auroral variation appear at lowest horizon 18:40 Poleward expansion of auroral arc 18:40:30 Break of arc, N-S aurora; diffuse spread 19:32 poleward expansion again 19:54 spread from higher latitude to lower latitude 20:30 going back to calm During this period, following optical instruments were operated at Syowa Station: - All-sky Monochromatic imagers(427.8,557.7,485.0,480.5nm) - All-sky panchromatic TV camera - Multi-color Scanning Photometer During this period, very bright proton auroral emission over 500 R was observed. In our presentation, details of temporal variation of auroral activity will be shown..

Keywords: SC event, Shock Aurora, Syowa Station