

5 Mar 2008	The present study	Previous studies
Auroral onset arc development		
Initial brightening	06:02:15	
Enhancement of the wave-like structure	06:03:15	06:03:25 (Nishimura et al., 2016) 06:04 (Nishimura et al., 2010, 2011) 06:04 (Liu et al., 2008) 06:04 (Rae et al., 2012, 2017)
Poleward expansion	06:06:04	06:06:18 (Nishimura et al., 2016)
Preonset aurora		
Emergence	~ 05:53, 06:00:05	
Arrival just poleward of/at the onset arc	not arrived	arrived (Nishimura et al., 2010, 2011)