# Errata

1. Page 1, Monograph. Left column line 12 from bottom: For a 200 keV electron the probability of producing an X-ray photon at any energy below 200 keV is 0.5%. It's not 0.5% of the electron energy that is transferred to a photon.
2. Page 3, Monograph. Left column line 2 from bottom: "As an example Figure 1 shows the modelled ratio of 5577/4278 emissions deduced by Steele and McEwen [1990] and Rees and Luckey [1974] as presented by Robinson and Vondrak [1994] (their Figure 11)" should be "As an example Figure 1 shows the modelled ratio of 5577/4278 emissions deduced by Rees and Luckey [1974] compared with the measured ratios by Steele and McEwen [1990] as presented by Robinson and Vondrak [1994] (their Figure 11)"
3. Page 5: Referring to equation (1). $dE/d\nu$ is the energy flux within frequency interval $d\nu$ and **not** the number flux
4. Page 44, Paper 2. Right column line 9 from bottom: Same as on Page 1 (error #1)
5. Page 58, Paper 2. Right column line 1: Same as on Page 1 (error #1)
6. Page 78, Paper 4. In the Observation and Interpretation section line 10 from the bottom: "For the high energy range, Figure 9b, the electron measurements indicate a factor of about 4 more X rays than observed at the peak of smoothed calculated X rays but the statistics for the measured X rays are not fairly good in this area (a flux of 12 (keV s sr $cm^2$)$^{-1}$ corresponds to about 3 photons emitted from within the averaging area)." should be changed to: "For the high energy range, Figure 9b, the peak of the smoothed calculated X rays is close to the measured X rays."
7. Page 71 - 80, Paper 4. Reference to Østgaard et al. [1999] should be Østgaard et al. [1999b].
8. Page 74, Paper 4. Last line, left column: "In Plate 1b the westward edge has moved about one hour local time duskward in 9 min giving an average westward travelling surge (WTS) velocity of about 0.5 km/s." is not correct and should be "In Plate 1b the westward edge has moved about one hour local time duskward in ~12 min giving an average westward travelling surge (WTS) velocity of about 0.8 km/s.
9. Page 82, Paper 4. Left column, 'Instrumentation' line 5: Same as on Page 1 (error #1)
10. Page 97, Technical Report. Left column, 'Introduction line 8: Same as on Page 1 (error #1)

# Other updates

The two papers:

Paper 4. Global X-ray emission during an isolated substorm - A case study
Paper 5. Localized maximum of X-ray emission in the morning sector caused by drifting electrons

have now been accepted for publication. Paper 4 was accepted by JASTP November 12, 1999 and Paper 5 was accepted by JGR November 9, 1999.

Bergen, November 18, 1999 Nikolai Østgaard