



Solar Wind
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Auroral Kilometric Radiation (AKR)

MAGNETOTAIL

- Tail Electrostatic Noise
- ESW
- Auroral Field Line Turbulence
- Magnetic Noise Bursts
- VLF Hiss

VLF Hiss
Chorus

Lion
Roars

**POLAR
CUSP**

VLF Hiss
Saucers

AKR

AKR

Electrostatic
Solitary
Waves
(ESW)

Trapped
Continuum

Escaping
Continuum

Nonthermal
Continuum

Farley
Instabilities

Field
Aligned
Currents

MAGNETOPAUSE

BOW SHOCK

- Upstream Waves
- Plasma Waves
- Turbulence
- Plasma Oscillations
- ESW

POLAR CUSP

- Magnetic Pulsations
- Ion Cyclotron Waves
- Auroral Field Line Turbulence
- AKR
- ESW

PLASMASPHERE

- Siple Emissions
- Discrete Emissions
- Magnetic Pulsations
- ELF Hiss

PLASMASPHERE

- Ion Cyclotron Whistlers
- ELF Hiss
- LHR Noise
- Electron Whistlers
- UHR Noise

PLASMAPAUSE

- Magnetic Pulsations
- Ion Cyclotron Whistlers
- ELF Hiss
- Discrete Emissions

PLASMASHEET

- Electrostatic Emissions
- Cyclotron Emissions

NEUTRAL SHEET

- Electrostatic Emissions
- Cyclotron Emissions