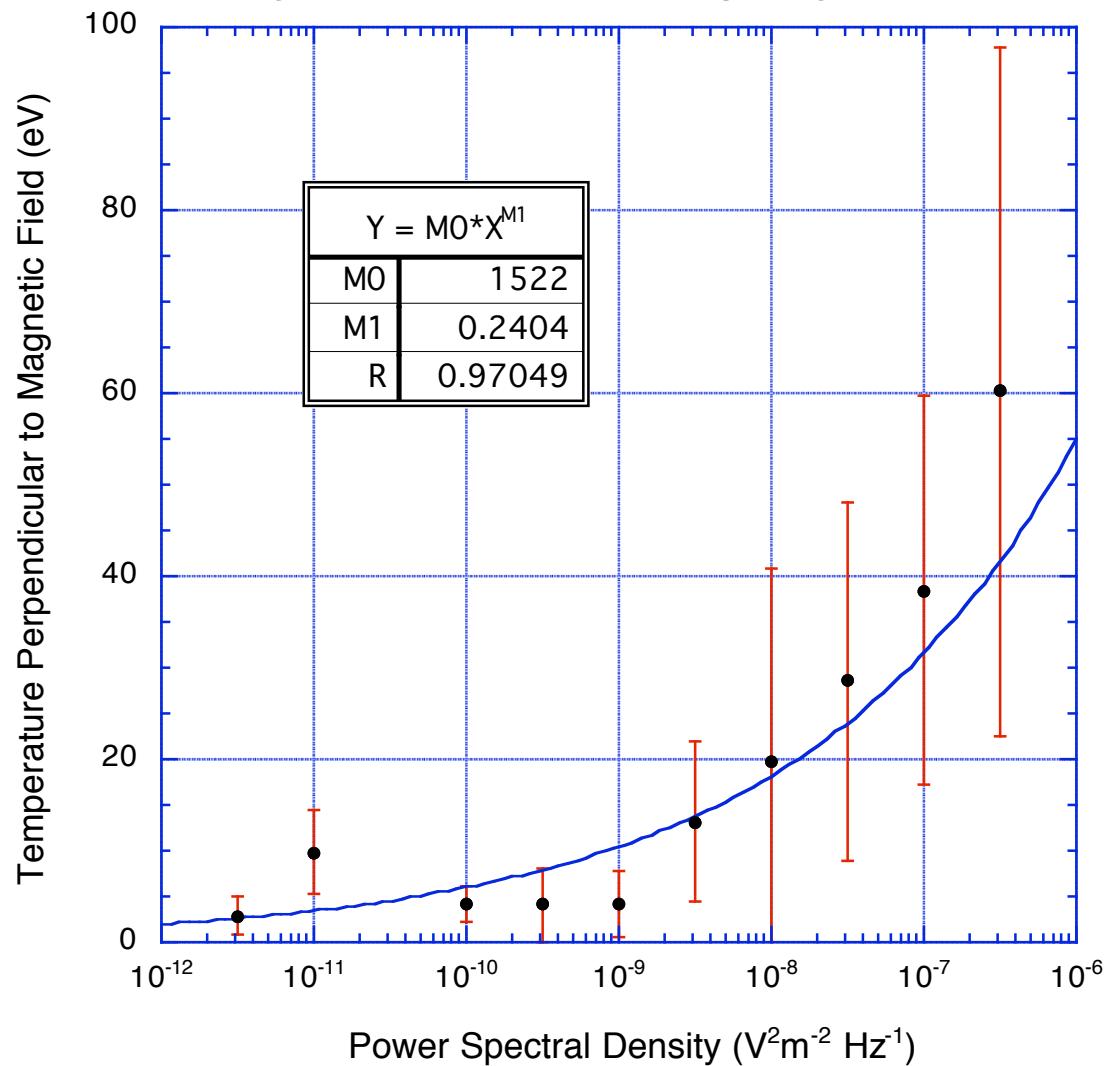
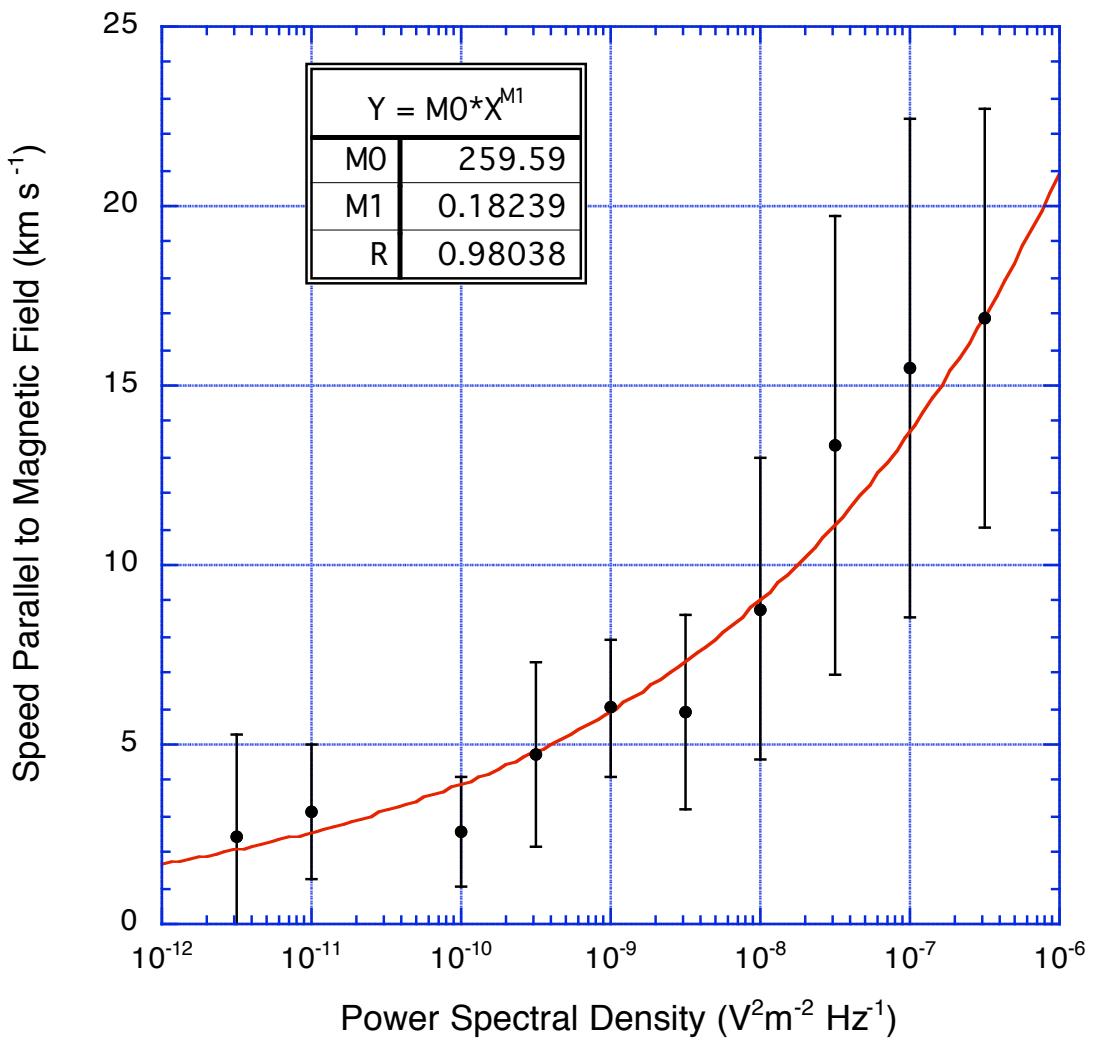


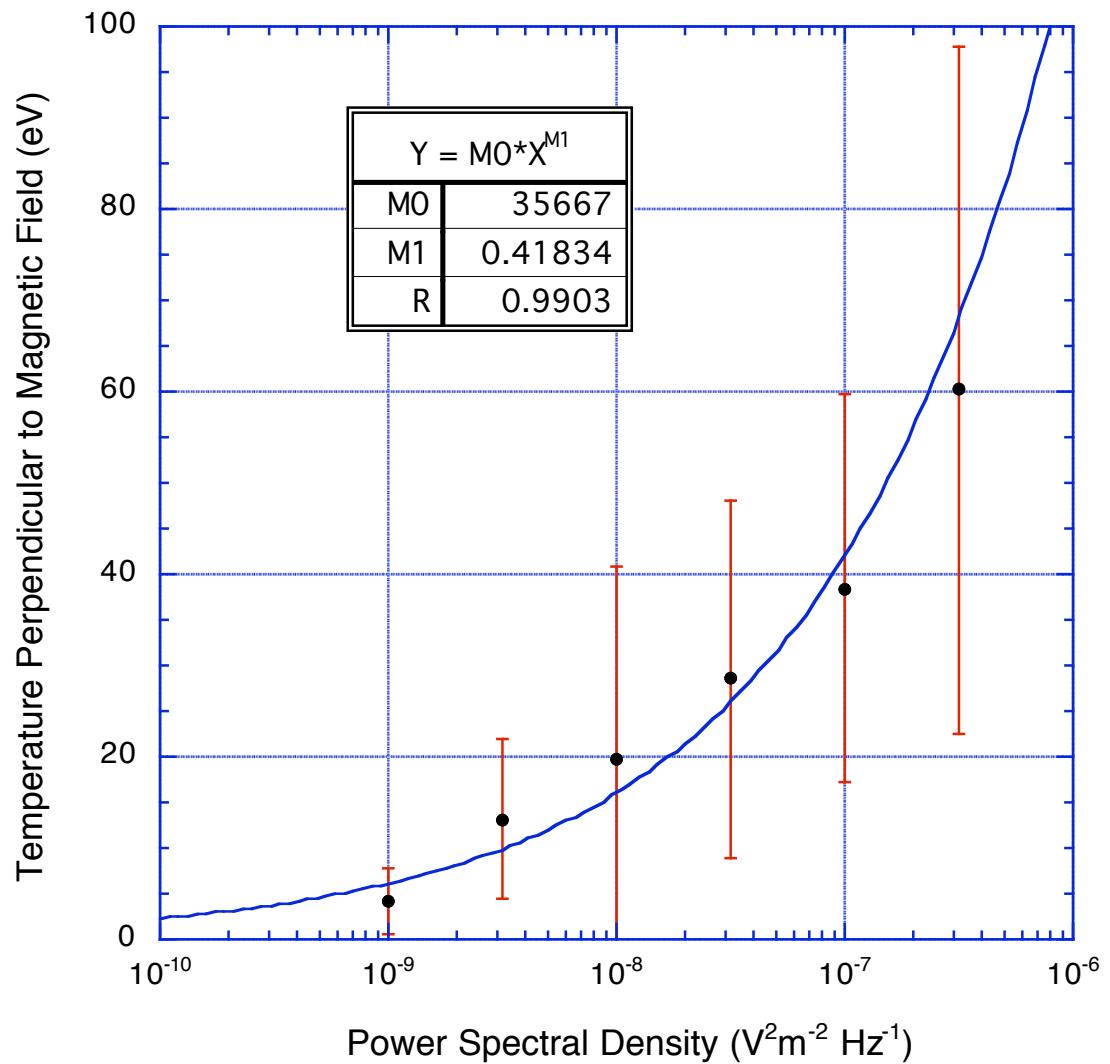
**Relationship Between the Perpendicular Temperature  
Observed in the Cleft and the Local Power Spectral  
Density of Broadband Low Frequency Waves at 5.6Hz**



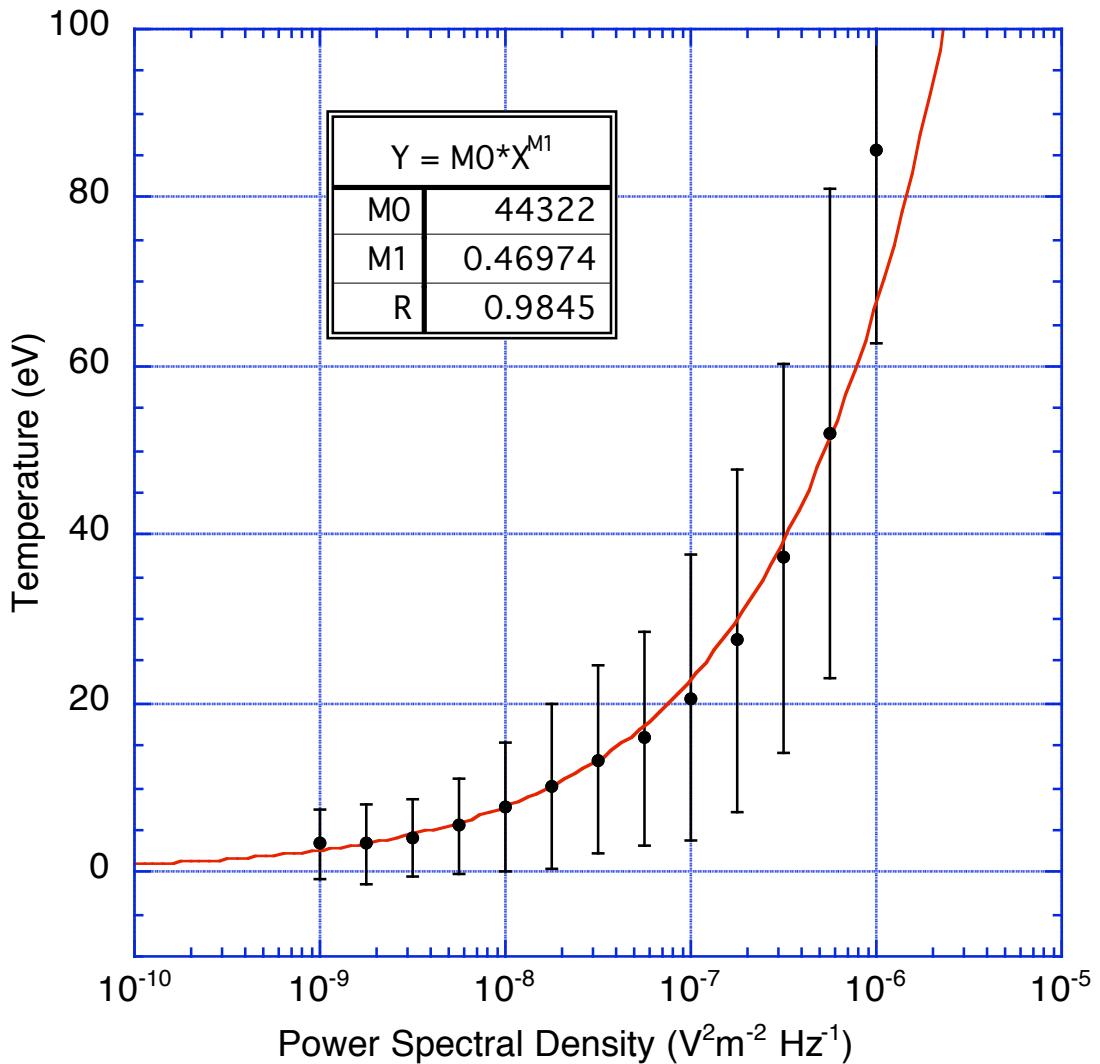
**Comparison of Outflow Speed of O  
in 1997 and the Power Spectral Density of the  
Broadband Low-Frequency Waves at 5.6Hz.**



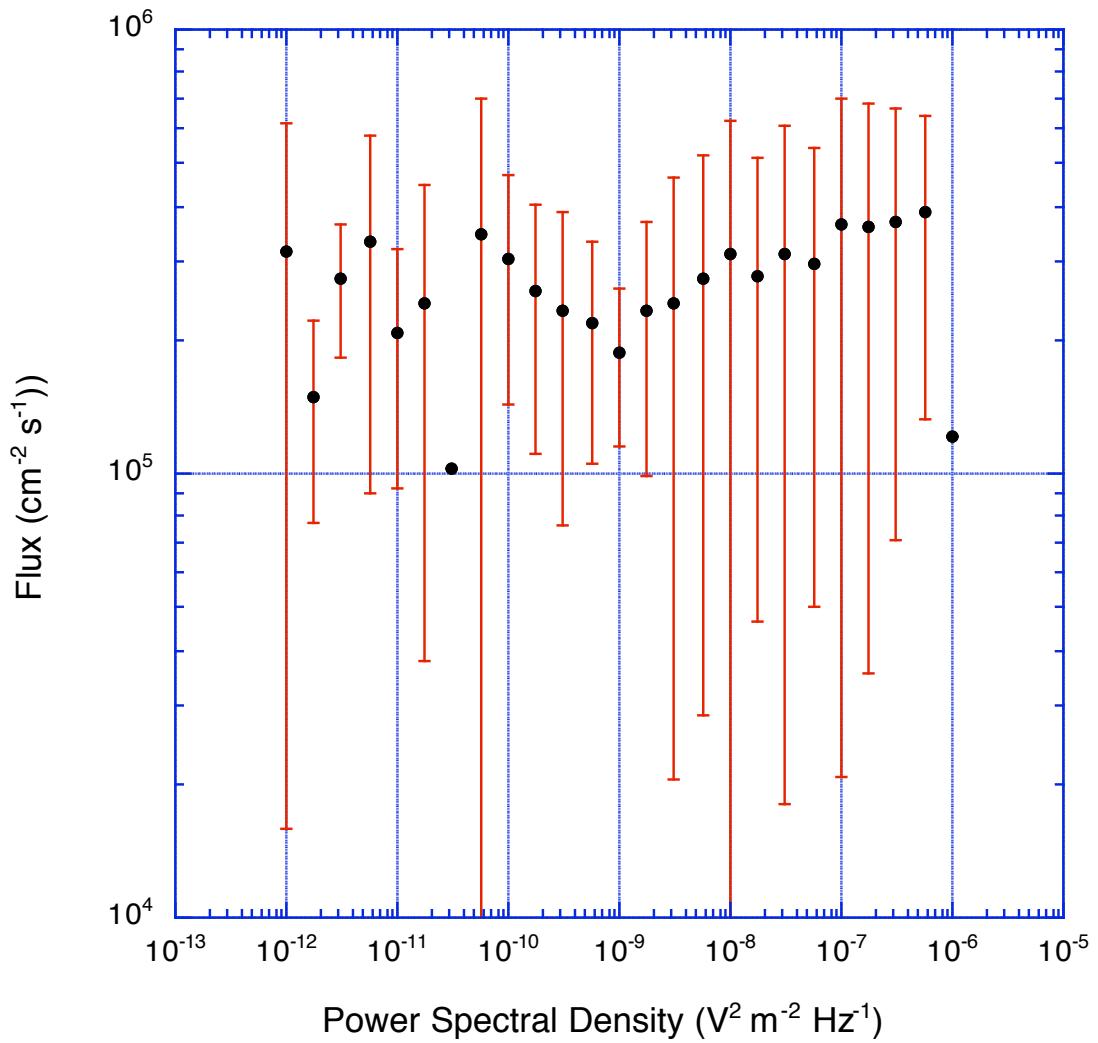
**Relationship Between the Perpendicular Temperature  
Observed in the Cleft and the Local Power Spectral  
Density of Broadband Low Frequency Waves at 5.6Hz**

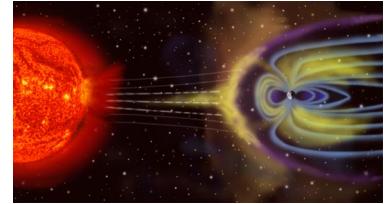


**Comparison of O Perpendicular Temperature  
in Upwelling Ion Events from 03-28-96 to 05-29-96  
and the Power Spectral Density of the  
Broadband Low-Frequency Waves at 10Hz.**



### Variation of Outflow Flux with Power Spectral Density at 5.6Hz

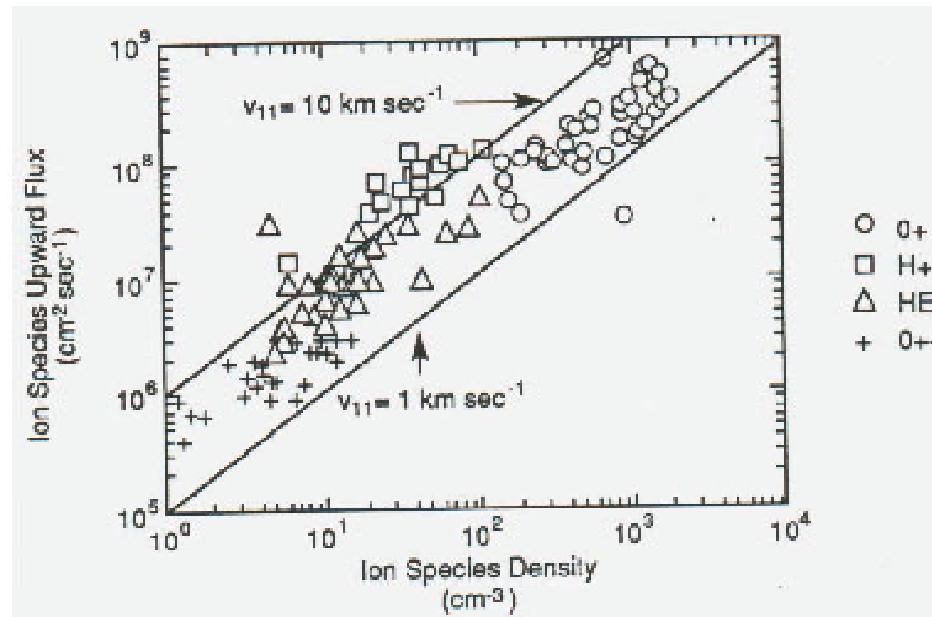




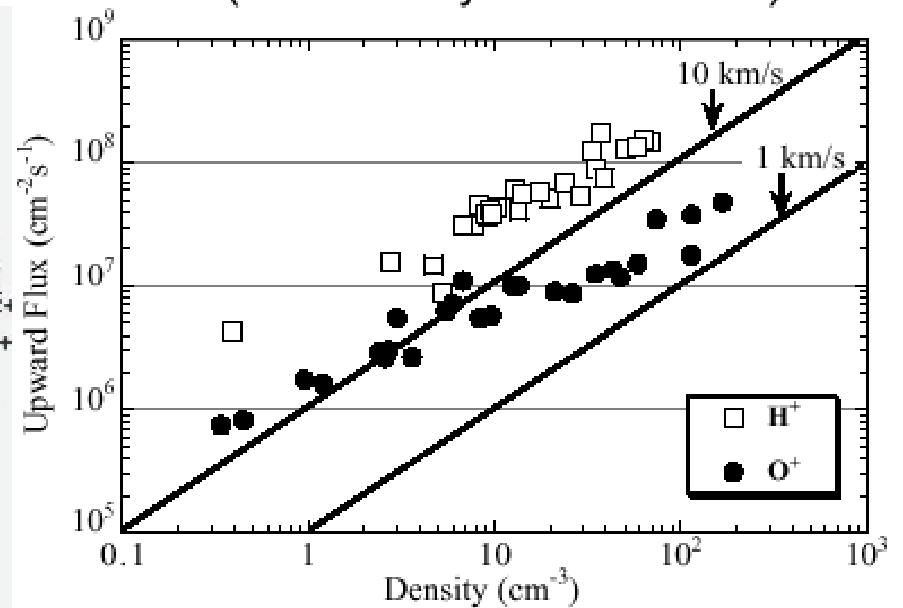
# Strength of auroral outflows: N vs V

- Outflow flux is strongly density driven
- Velocity variations tend inverse with flux variations
- Flux enhancements are driven by low altitude heating.

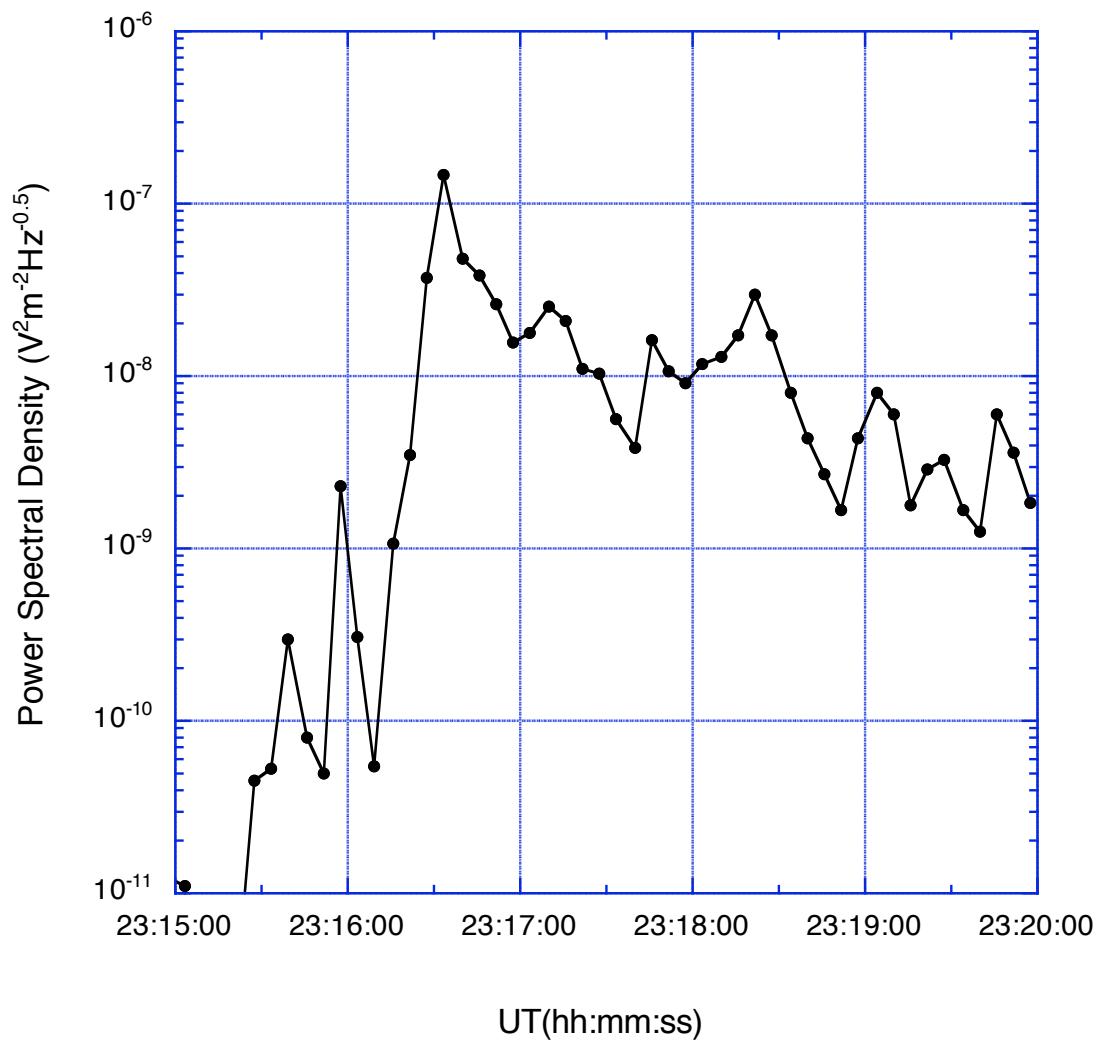
Solar maximum conditions  
(cycle 21)



Solar minimum conditions  
(between cycle 22 and 23)



### Wave Power from EFI for 10-30-03



### Projected Perpendicular Temperature for 10-30-03

