

**Humidity/Low Inversion period:**  
 Ceilo/MPL show high backscatter close to surface  
 PAERI 900-1000cm-1: 240K-ish  
 POSS: periods of precip  
 SODAR: Inversion changes to incoherent returns by 2300  
 MMCR: No data  
 THIS EVENT PROVIDES THE MOISTURE FOR THE HOAR?  
 HOAR?

**Cooling/Clearing/Inverted period:**  
 Ceilo and MPL show minimal returns  
 PAERI 900-1000cm-1: 150 – 180 K?  
 POSS: minimal activity  
 SODAR: No data  
 MMCR: No data  
 SURFACE HOAR FORMS  
 IN THIS PERIOD?

**Clouding Over period:**  
 Ceilo/MMCR/MPL show clouds lower to surface, increasing in backscatter strength by 2300  
 PAERI 900-1000cm-1: Variable, but higher brightness temps than previous period  
 POSS: minimal activity  
 SODAR: Mixing up to 100m

**Balls Form?**  
 This is the only period since I think the surface formed that WS1 and WS2 rise above 3-5 m/s.

**Yukimarimo first observed**

