

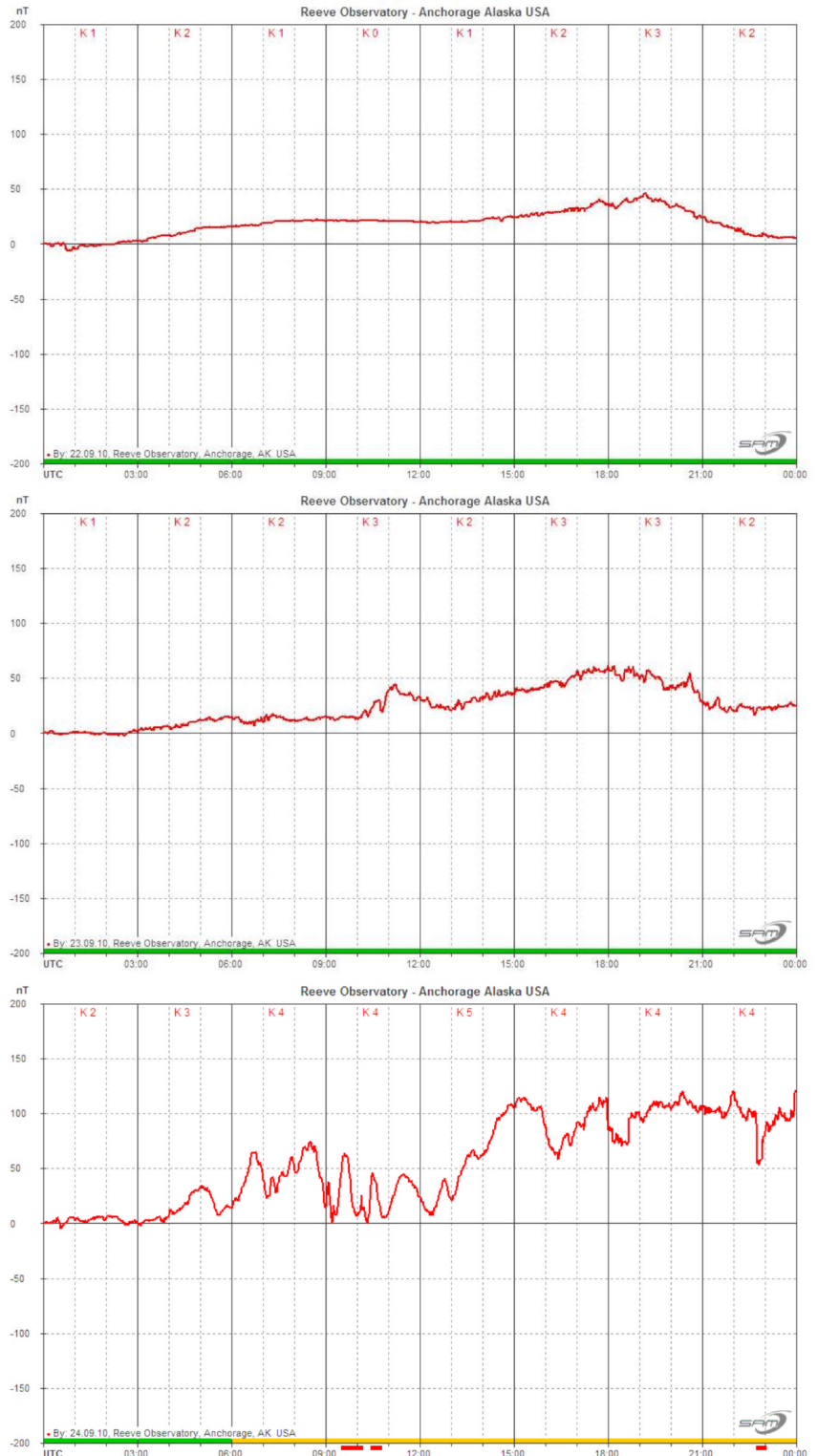
Geomagnetic Disturbance Report – Reeve Observatory

Activity: On 24 September 2010 the Space Weather Prediction Center measured reported the effects of a coronal hole high-speed stream (all dates and times in UTC):

Geophysical Activity Summary 23/2100Z to 24/2100Z:

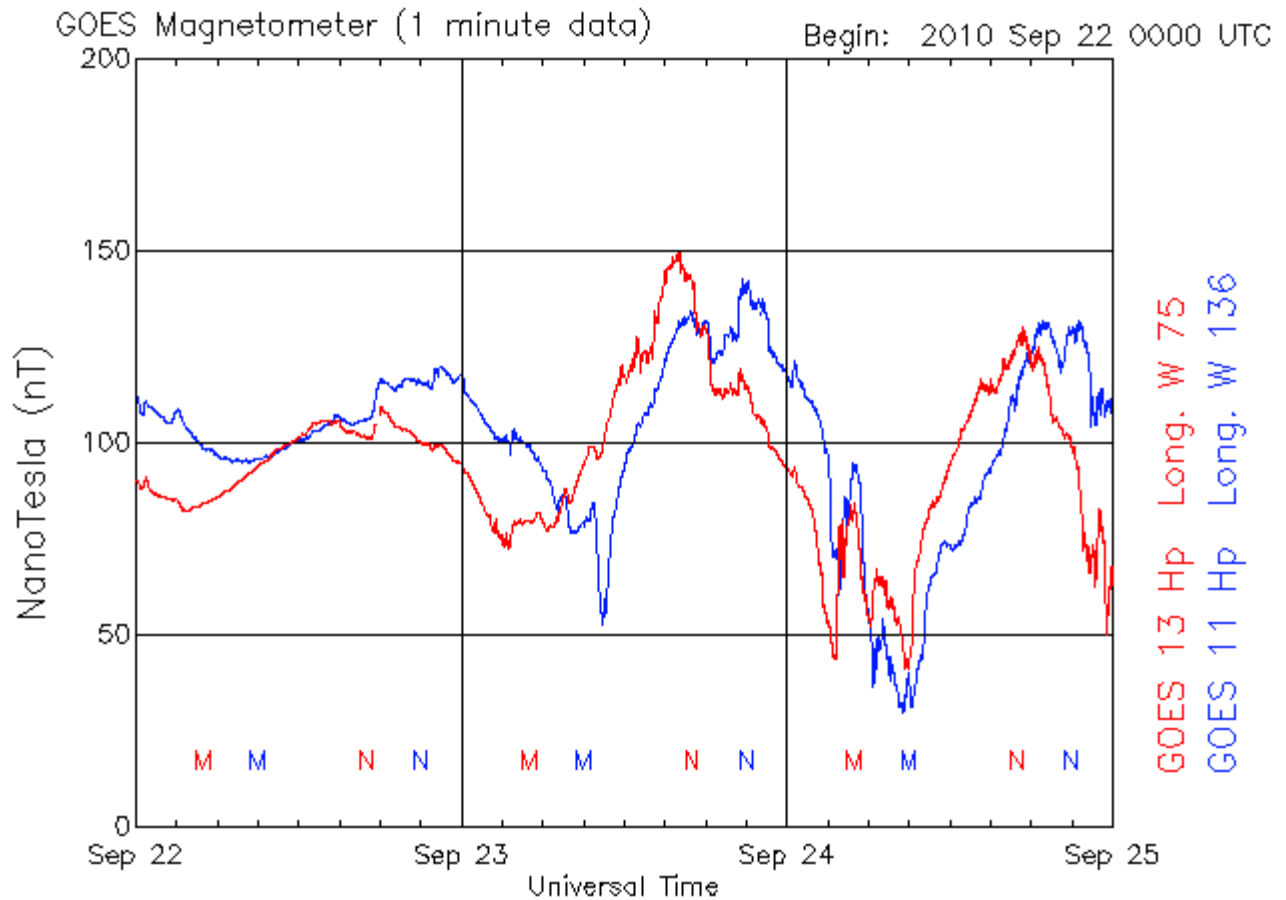
The geomagnetic field was at predominantly unsettled levels over the past 24 hours due to the presence of a recurrent coronal hole high speed stream. Solar wind velocities increased steadily over the past 24 hours and ended the period near 600 km/s.

SAM Data: The following SAM_BROWSER images cover three consecutive days 22 through 24 September 2010. The top image for 22 September and shows a magnetically quiet day. The following day, 23 September, also is mostly quiet with some activity starting between 0600 and 1100. The coronal hole high-speed stream appears to sweep into full effectiveness (magnetically speaking) starting around 0400 on 24 September.



Geomagnetic Disturbance Report – Reeve Observatory

GOES data (GOES 11 is most relevant to Reeve Observatory):



Updated 2010 Sep 24 23:59:02 UTC

NOAA/SWPC Boulder, CO USA

Equipment: Simple Aurora Monitor (SAM) located at geomagnetic coordinates: 61.63 °N : 262.89 °E
For equipment description and real-time magnetogram – www.reeve.com/MagnetometerM2.htm

Resources:

Alaska Magnetometer Chain – 137.229.36.30/cgi-bin/magnetometer/magchain.cgi

Geostationary Operational Environmental Satellites – www.swpc.noaa.gov/rt_plots/mag_3d.html

Space Weather Prediction Center – www.swpc.noaa.gov/

SOHO – http://sohodata.nascom.nasa.gov/cgi-bin/data_query

SDO – <http://sdo.gsfc.nasa.gov/>