

Description of Additional Supplementary Files

File name:

supplementary_movie.mp4

Description:

Video from the TREx-RGB auroral camera located in Rabbit Lake, Saskatchewan on February 16, 2023, from to 11:05:00-11:29:57 UTC. TREx-RGB is a broad-band color imager that utilizes a fish-eye lens to capture true color images from horizon-to-horizon at a 3s cadence. The color seen in the data is similar to digital photographs of the night sky, and the same as one would see with the naked eye. In this movie, large green structured aurora is seen moving across the field of view. At the top of the green auroral structure, a region of grey-toned emission (continuum emission structure) seemingly follows the evolution of the green aurora. Throughout the movie, white/grey structures can also be seen embedded within surrounding green and red aurorae. Intensification of the aurora at 11:17:00 makes way for a particularly bright white structure, embedded within the aurora, that has also been identified as a continuum emission.