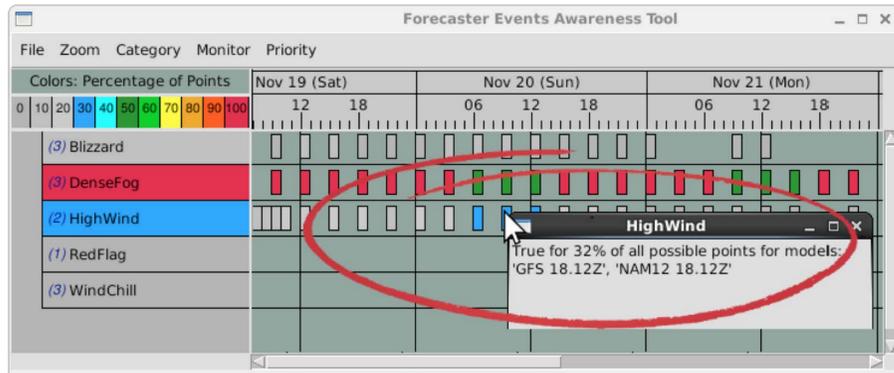


Introduction

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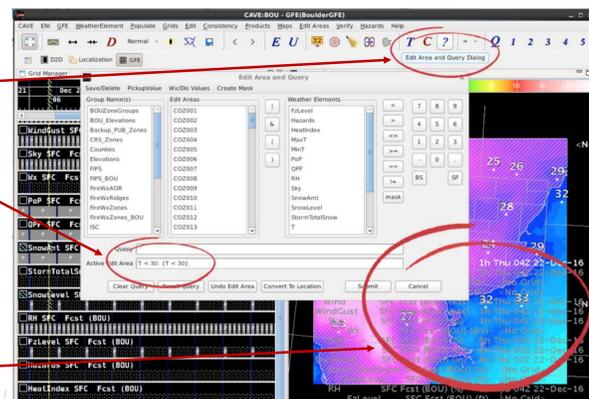
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FEAT can draw a forecaster's attention to something that might otherwise go unnoticed. WFO's can set custom criteria for local conditions, such as thresholds for *Red Flag* warnings or reduced visibility. FEAT notifies the forecaster about the predicted potential impact and its timing. FEAT alerts can relieve forecasters of some routine monitoring work, leaving them more time/attention for more critical decisions, and IDSS.

FEAT under the hood

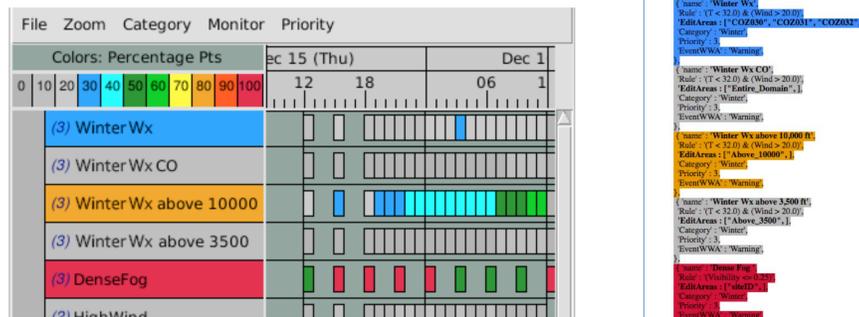
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1. Identify area of interest
2. Set criteria
3. GFE shows temp color map in selected area that meets preset value



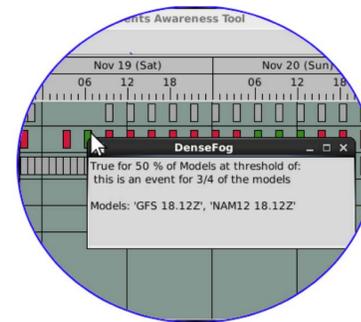
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	0%	25%	50%	75%	100%
NAM	X	X	X	X	
GFS	X	X	X		
HRRR	X	X			
RUC	X	X			



True for 100% of models with a threshold of 1/4 (25%) points meeting the criteria.

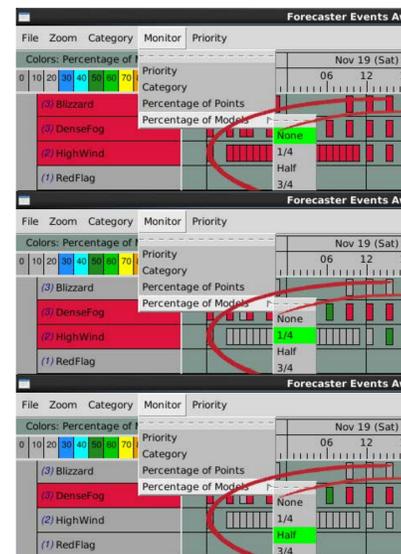
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Figure: Top: 0-24%, or not an event for 100% of models;

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Future Ideas

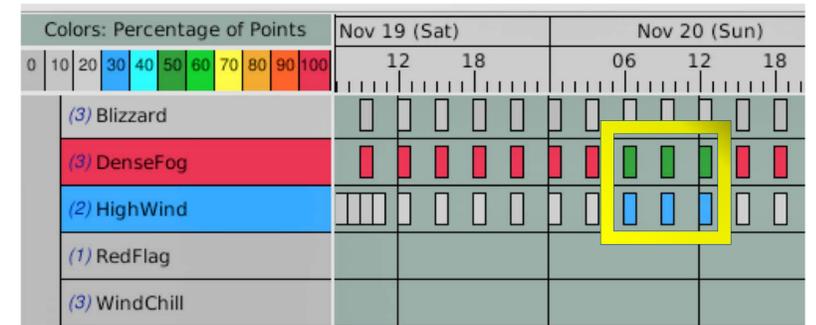
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Rule-based Decision Aid for the NWS WFO

Forecaster Event Awareness Tool (FEAT)

Paula McCaslin, Thomas LeFebvre, NOAA OAR ESRL Global Systems Division (GSD)



AMS
Austin, TX
10 Jan 2017

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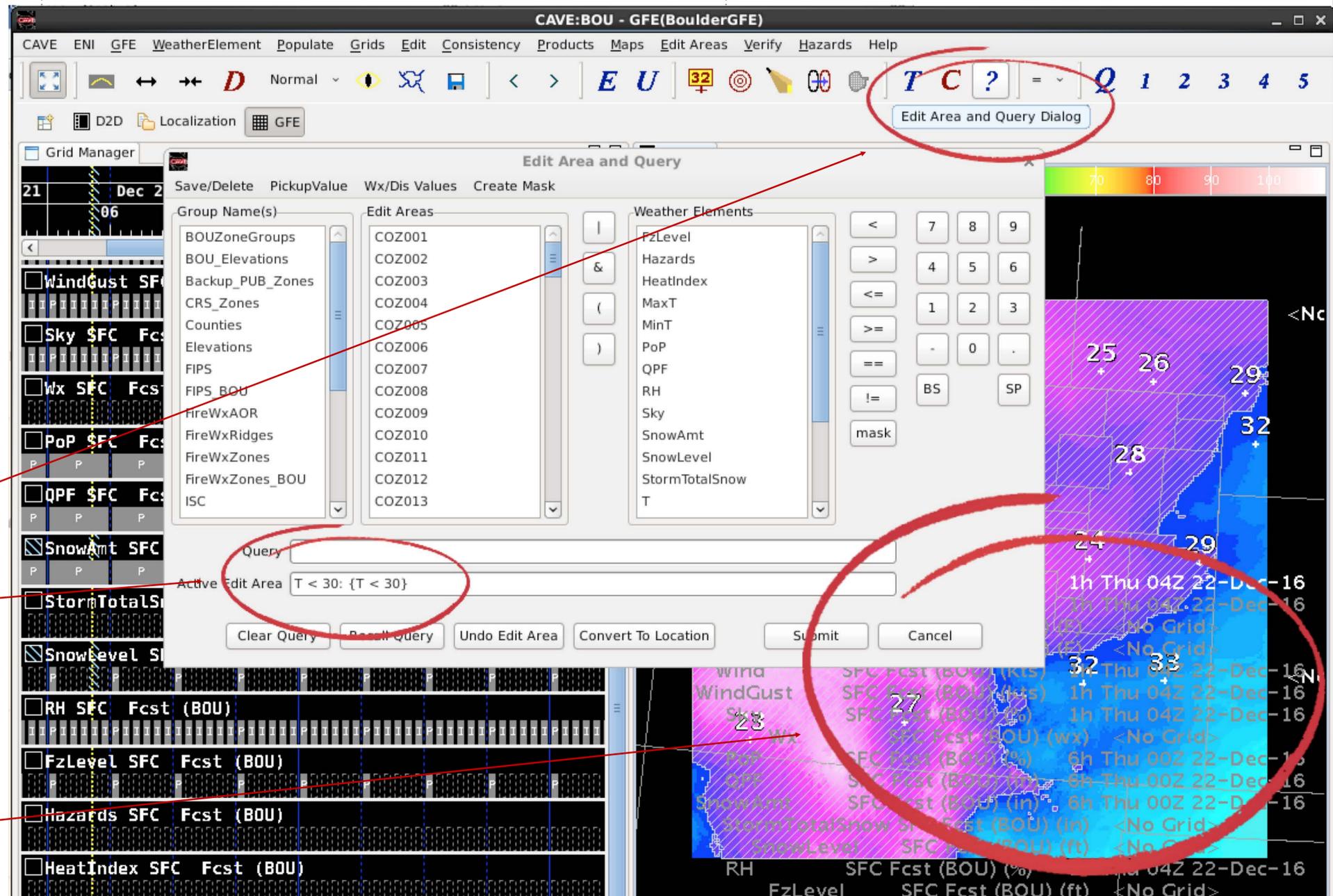
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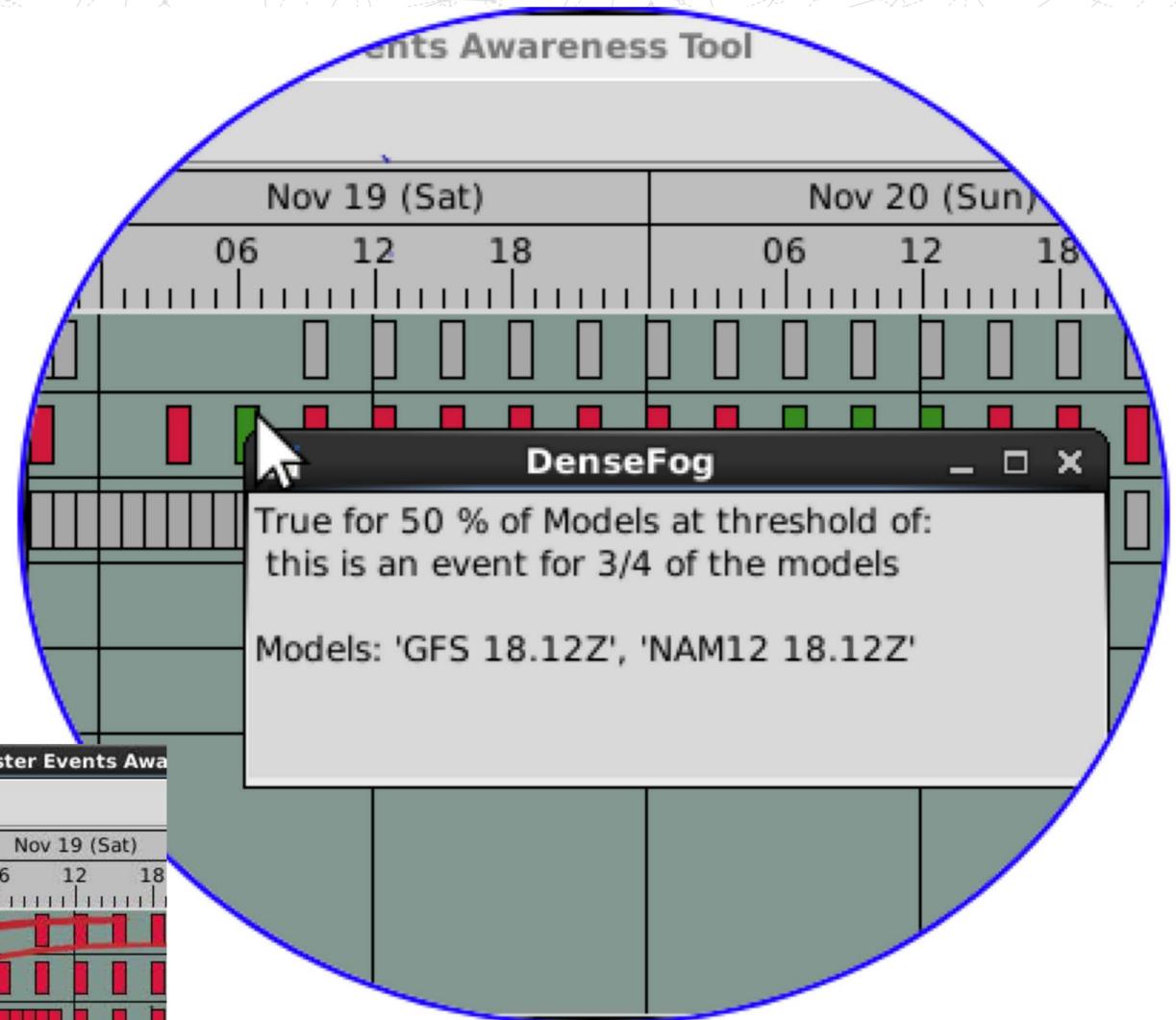
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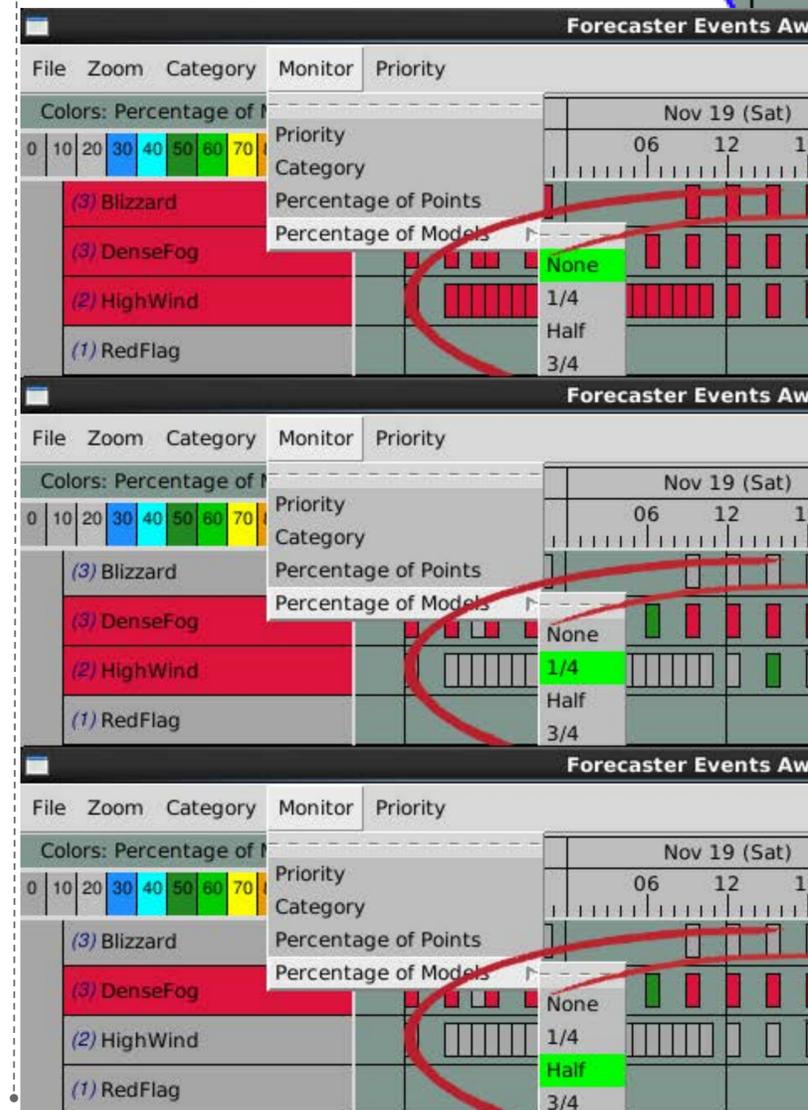


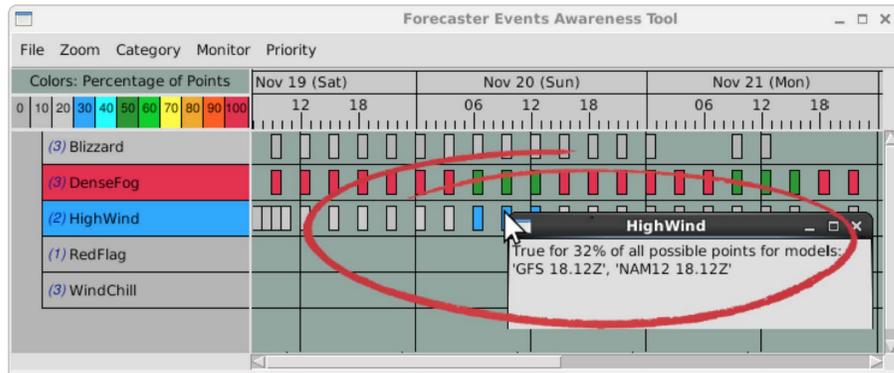
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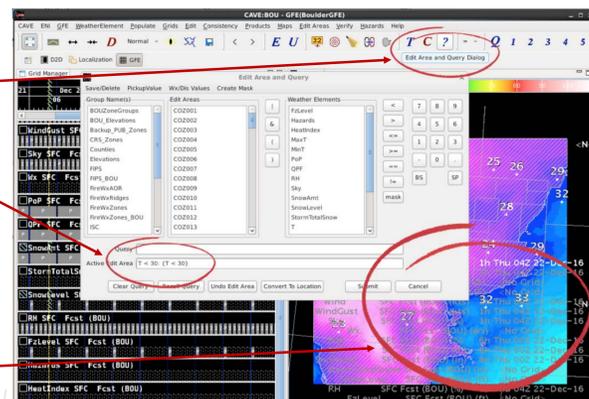
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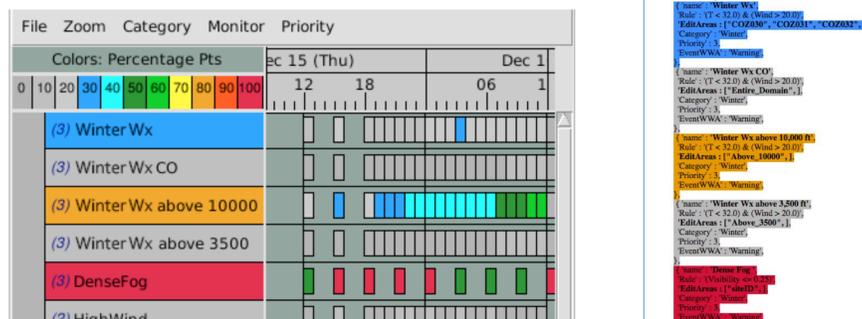
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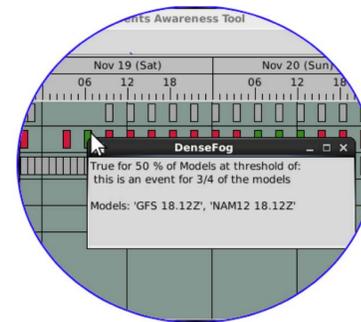
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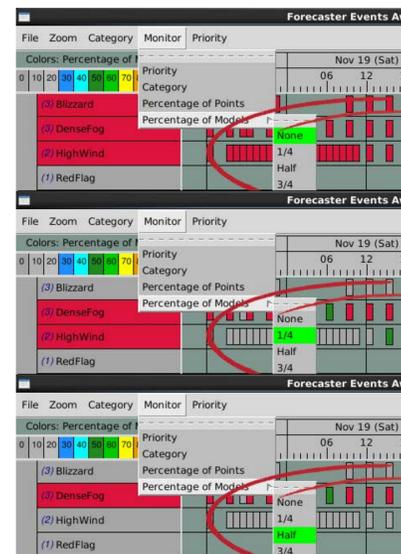
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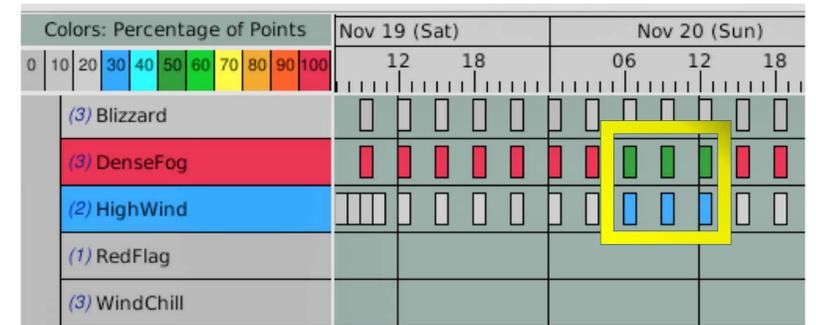
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