

Some additional comparisons between FITACF 2.5 and FITACF 3.0

Field of view plots

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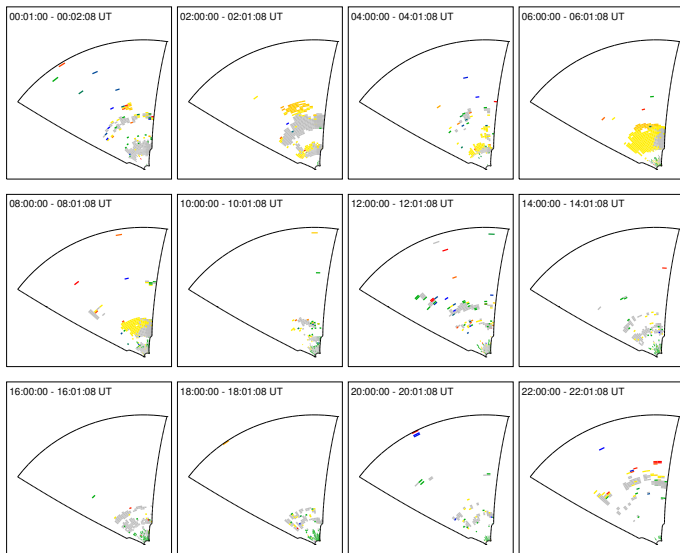
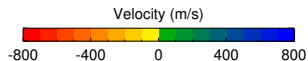
²University of Saskatchewan, Canada

What did we do?

1. Choose some dates with reasonable amounts of ionospheric scatter for the following radars: BKS, BPK, CVW, CLY, DCE, HAN, HOK, KOD, MCM, ZHO.
2. Process the data with FITACF 2.5 and FITACF 3.0
3. Remove salt & pepper noise from the FITACF 3.0 data using the new `fit_speck_removal` routine
4. Generate a series of field-of-view plots (colour-coded by LOS velocity) with the following data processing options:
 - ▶ FITACF 2.5 (no filtering)
 - ▶ FITACF 3.0 (no filtering)
 - ▶ FITACF 3.0 (with filtering)

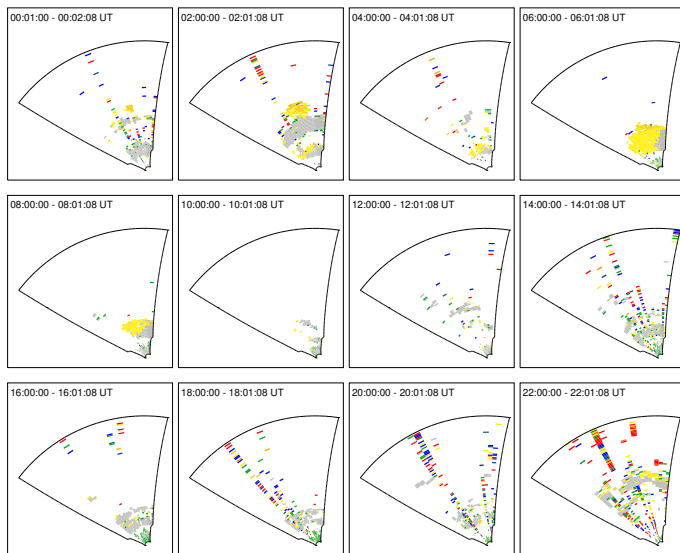
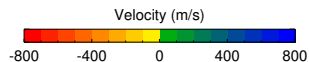
Blackstone

Blackstone 2018/06/02
FITACF 2.5 (unfiltered)



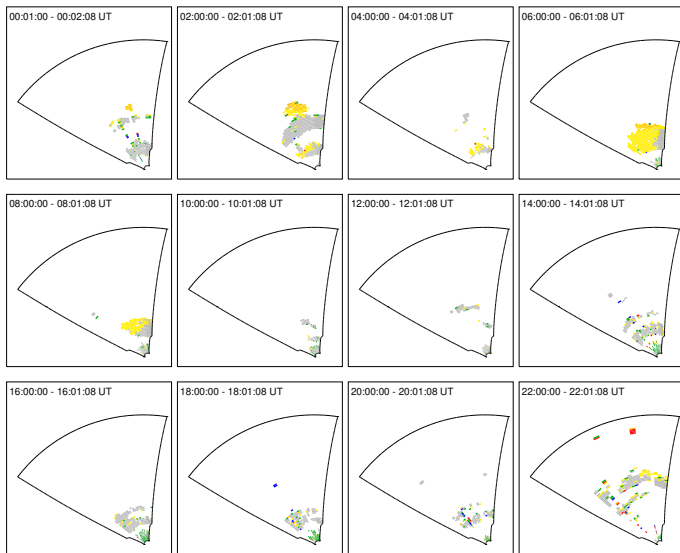
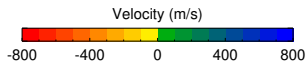
Blackstone

Blackstone 2018/06/02
FITACF 3.0 (unfiltered)



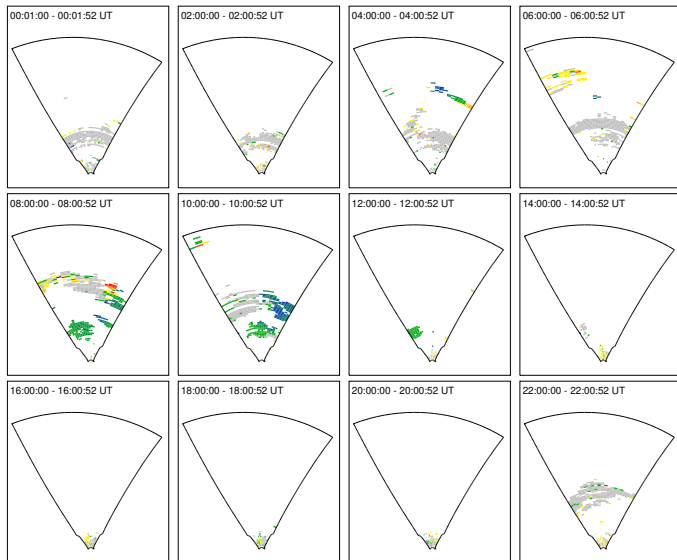
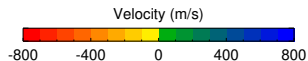
Blackstone

Blackstone 2018/06/02
FITACF 3.0 (filtered)



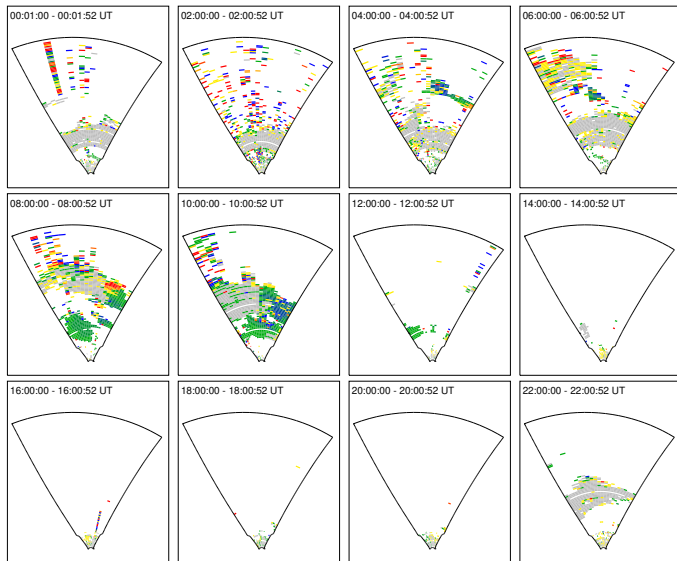
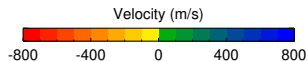
Buckland Park

Buckland Park 2018/09/11
FITACF 2.5 (unfiltered)



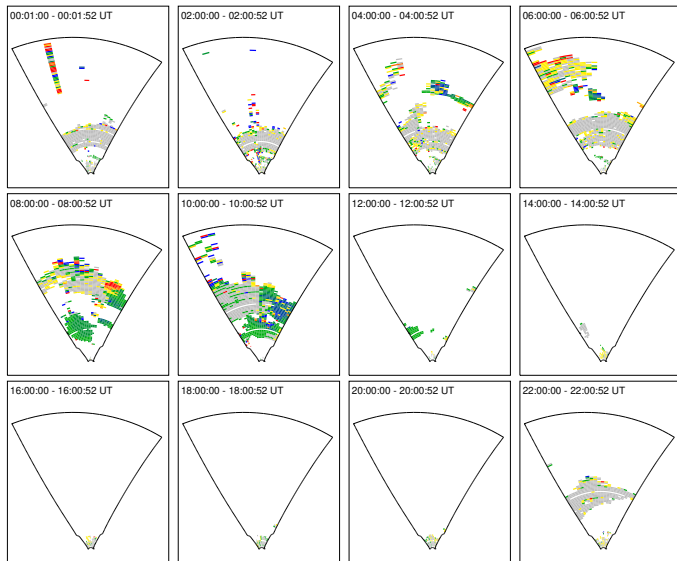
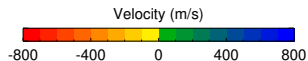
Buckland Park

Buckland Park 2018/09/11
FITACF 3.0 (unfiltered)



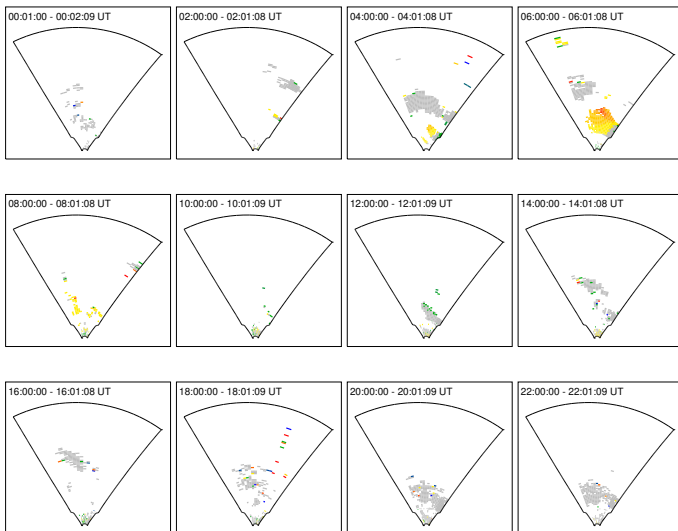
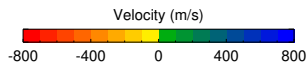
Buckland Park

Buckland Park 2018/09/11
FITACF 3.0 (filtered)



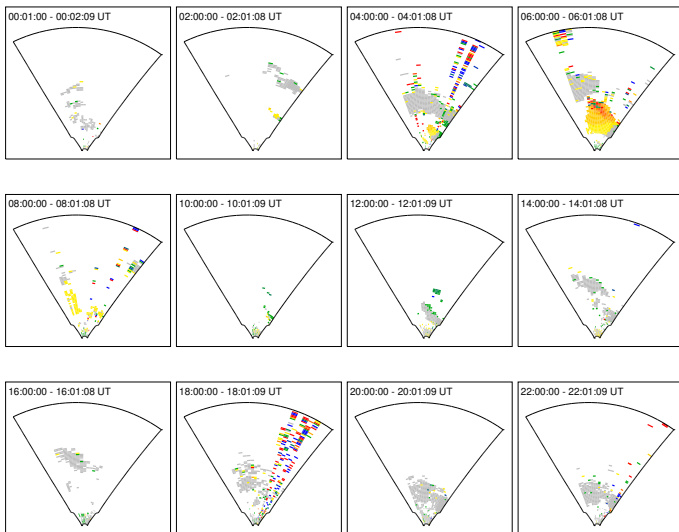
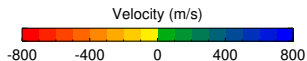
Christmas Valley West

Christmas Valley West 2018/06/02
FITACF 2.5 (unfiltered)



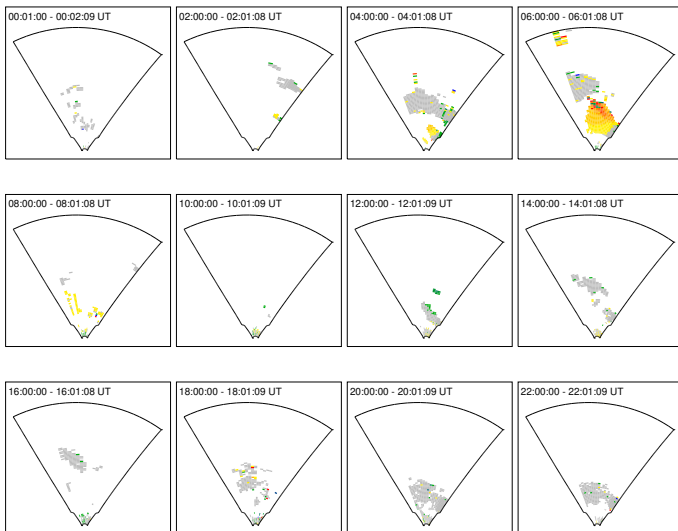
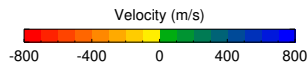
Christmas Valley West

Christmas Valley West 2018/06/02
FITACF 3.0 (unfiltered)



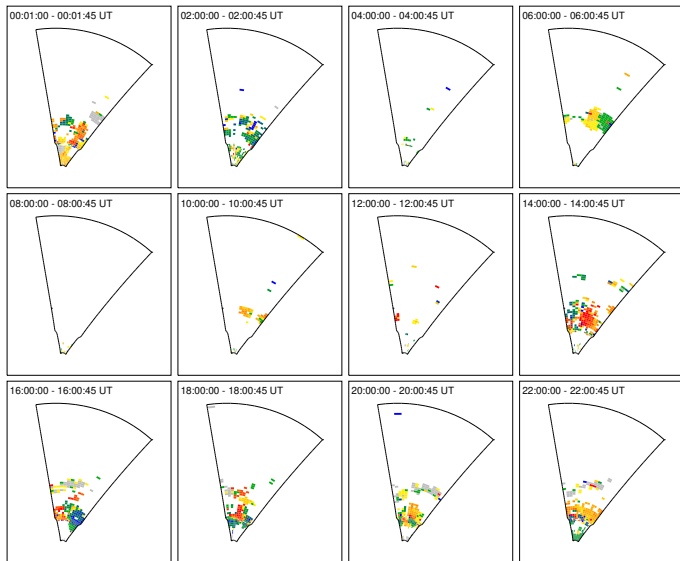
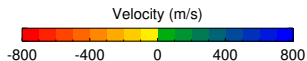
Christmas Valley West

Christmas Valley West 2018/06/02
FITACF 3.0 (filtered)



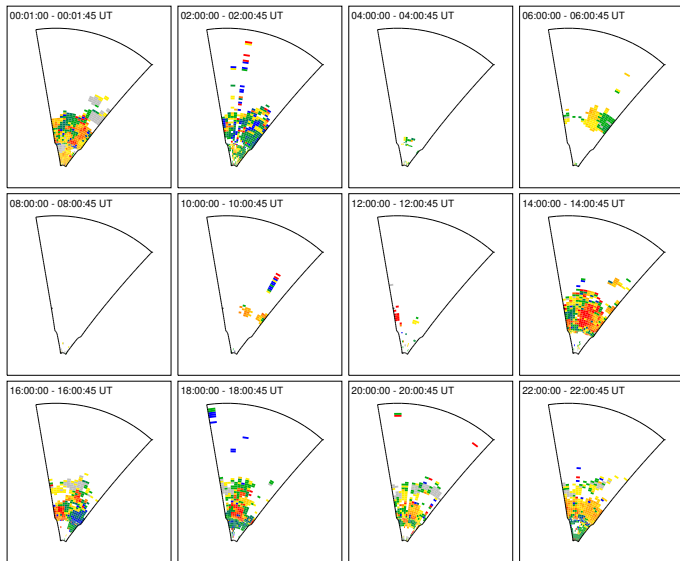
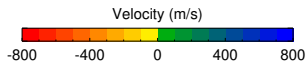
Clyde River

Clyde River 2018/03/08
FITACF 2.5 (unfiltered)



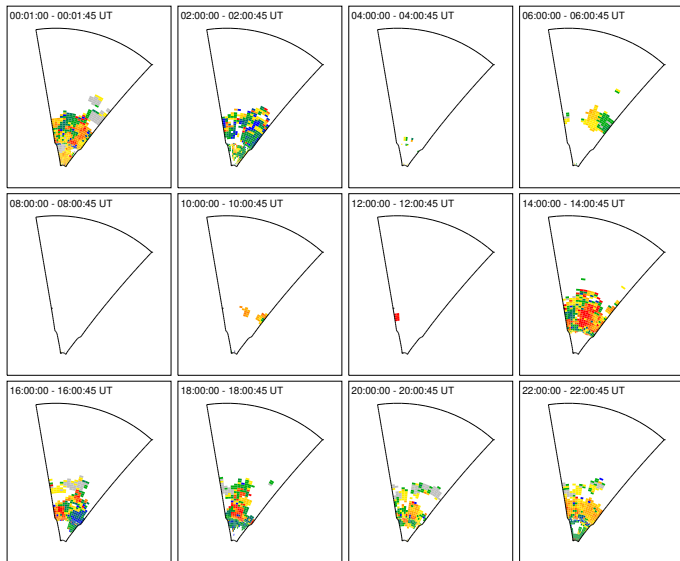
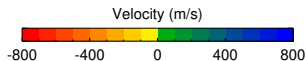
Clyde River

Clyde River 2018/03/08
FITACF 3.0 (unfiltered)



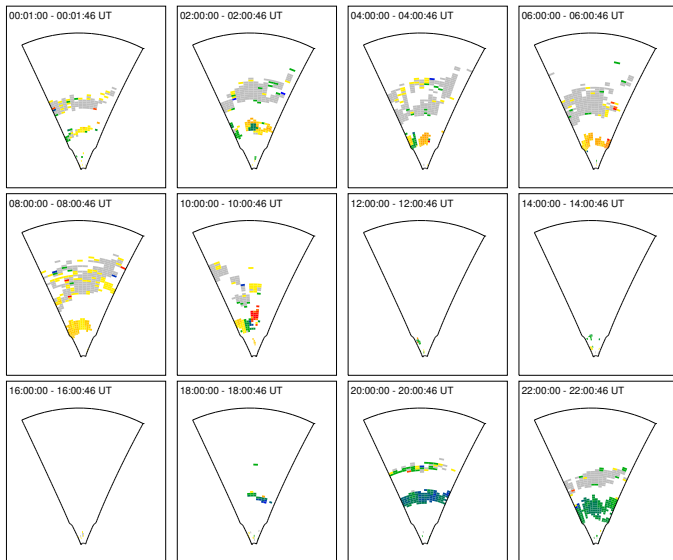
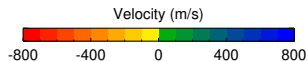
Clyde River

Clyde River 2018/03/08
FITACF 3.0 (filtered)



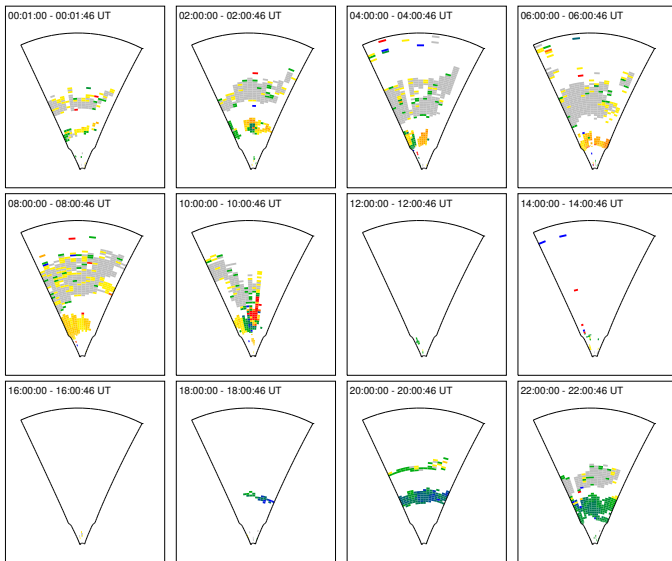
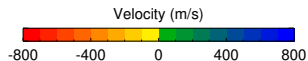
Dome C East

Dome C East 2018/03/07
FITACF 2.5 (unfiltered)



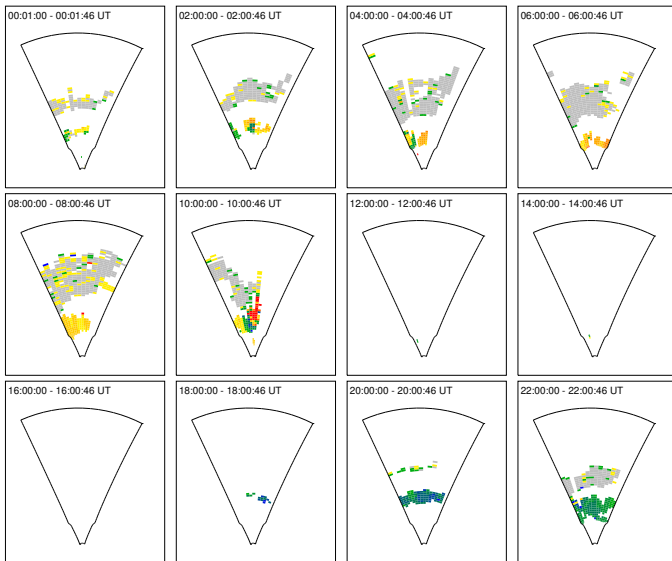
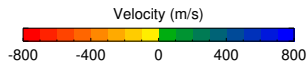
Dome C East

Dome C East 2018/03/07
FITACF 3.0 (unfiltered)

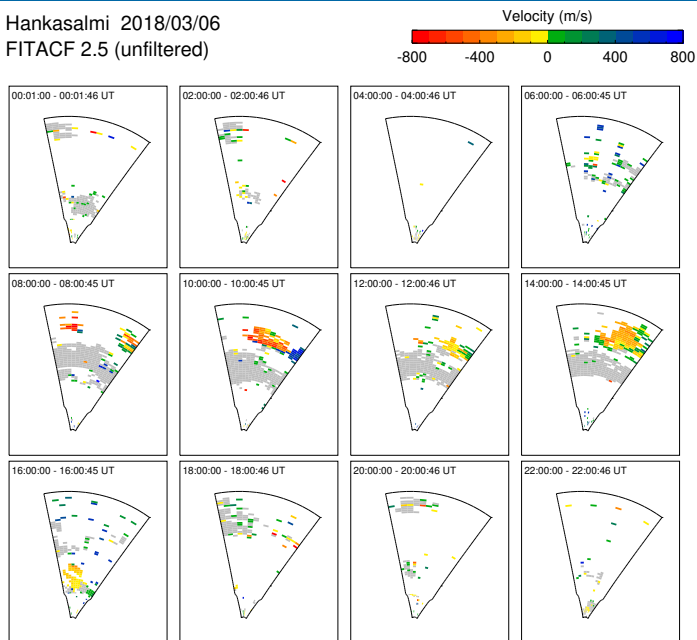


Dome C East

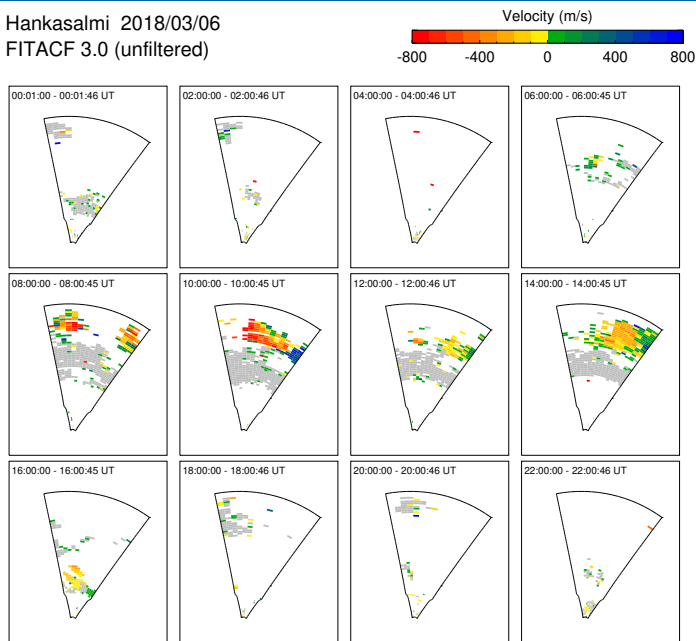
Dome C East 2018/03/07
FITACF 3.0 (filtered)



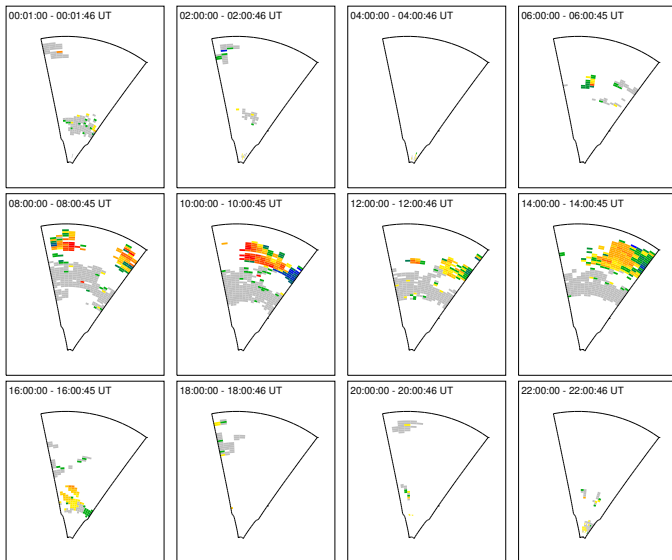
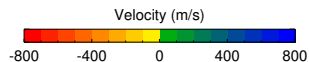
Hankasalmi 2018/03/06
FITACF 2.5 (unfiltered)



Hankasalmi 2018/03/06
FITACF 3.0 (unfiltered)

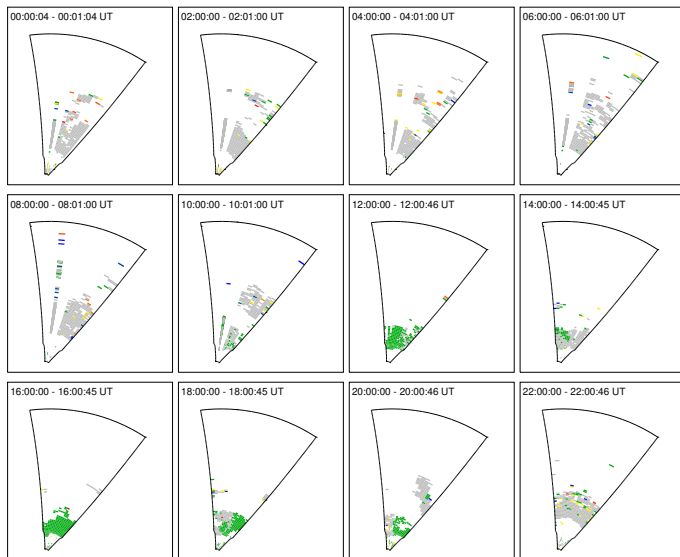
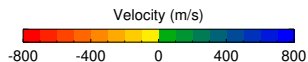


Hankasalmi 2018/03/06
FITACF 3.0 (filtered)



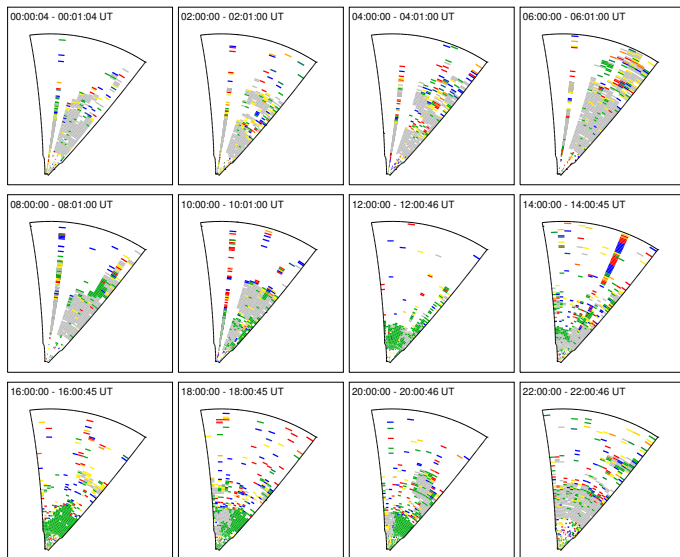
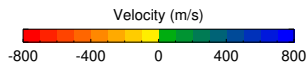
Hokkaido East

Hokkaido East 2018/03/15
FITACF 2.5 (unfiltered)



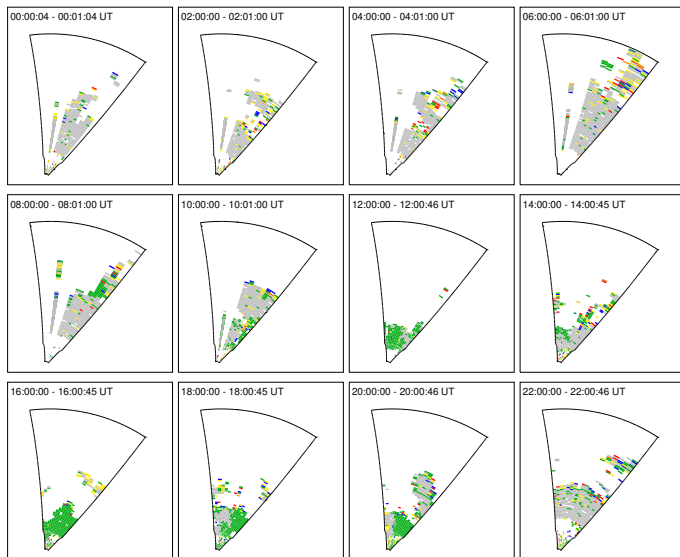
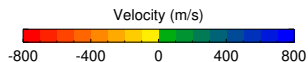
Hokkaido East

Hokkaido East 2018/03/15
FITACF 3.0 (unfiltered)

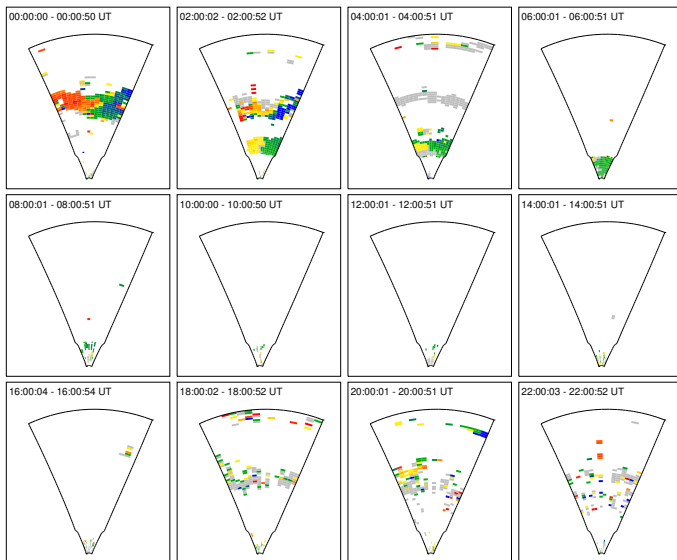
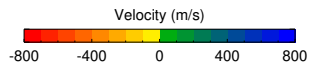


Hokkaido East

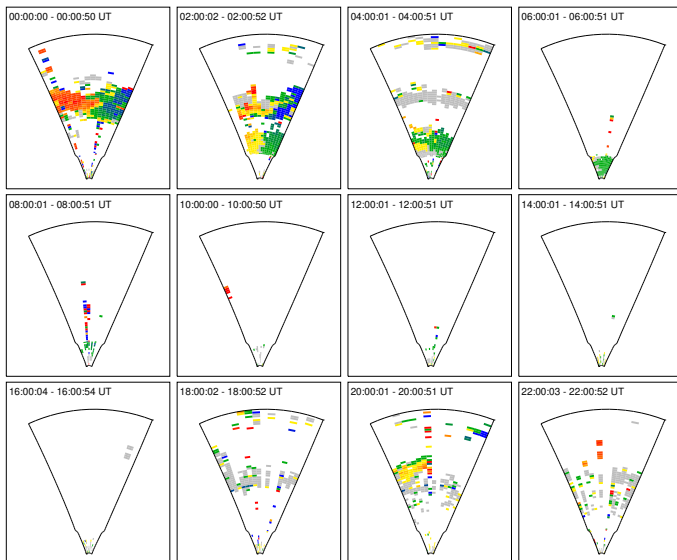
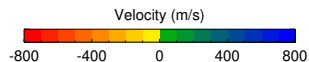
Hokkaido East 2018/03/15
FITACF 3.0 (filtered)



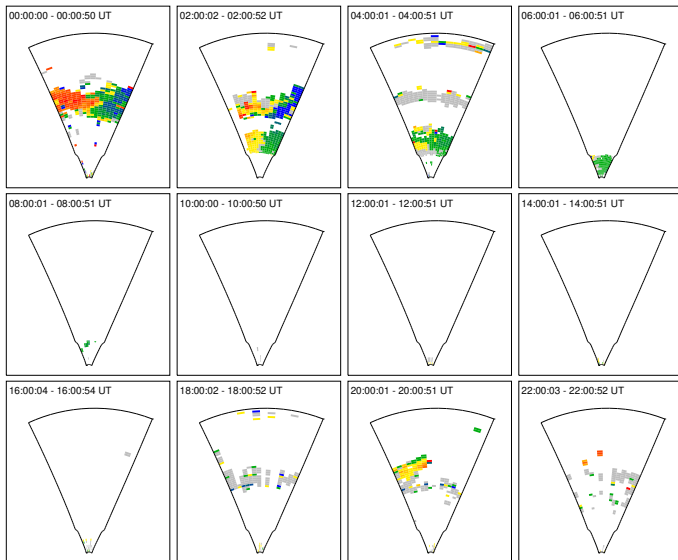
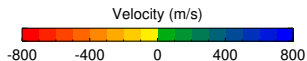
Kodiak 2018/03/17
FITACF 2.5 (unfiltered)



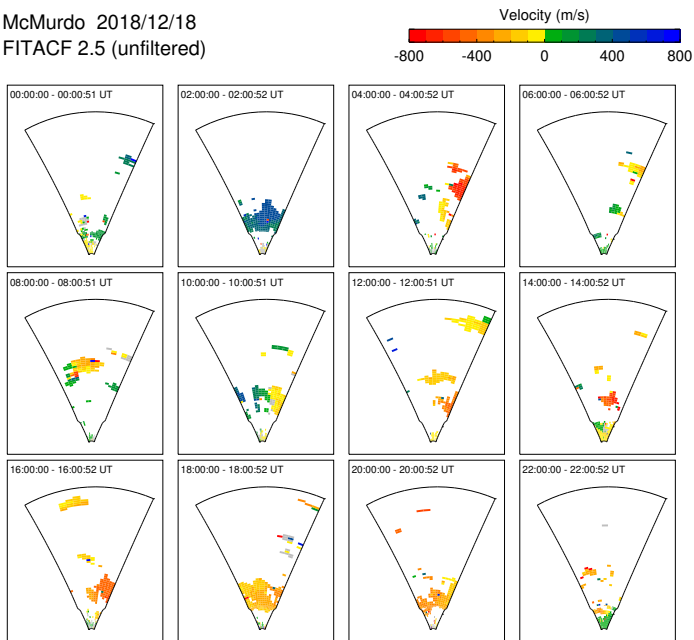
Kodiak 2018/03/17
FITACF 3.0 (unfiltered)



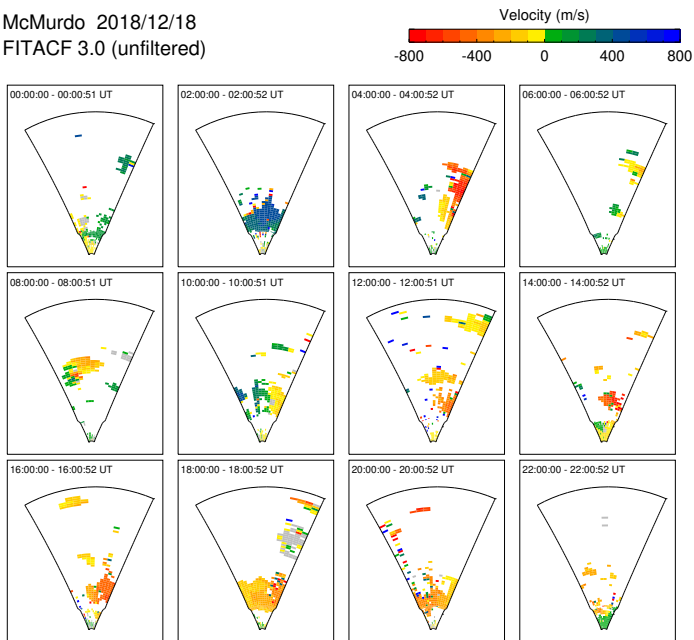
Kodiak 2018/03/17
FITACF 3.0 (filtered)



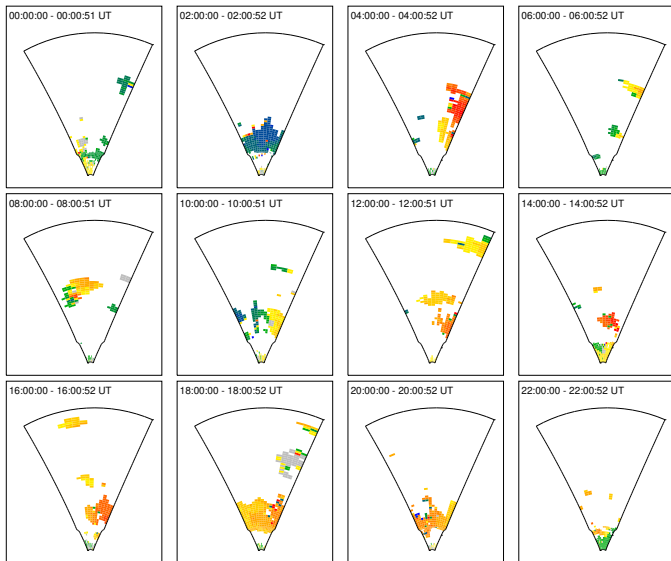
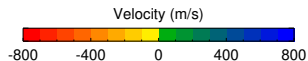
McMurdo 2018/12/18
FITACF 2.5 (unfiltered)



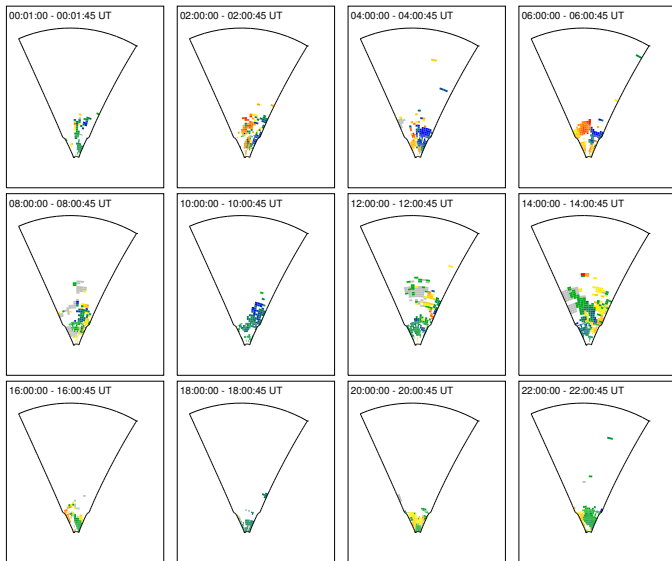
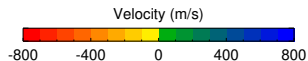
McMurdo 2018/12/18
FITACF 3.0 (unfiltered)



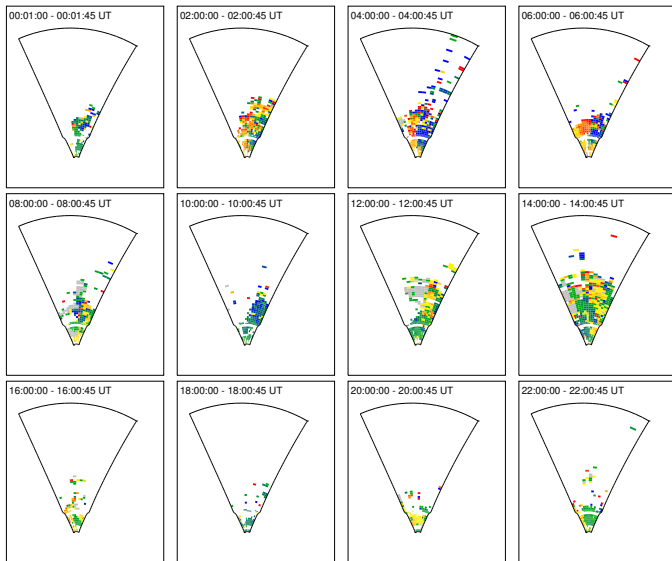
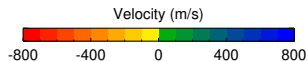
McMurdo 2018/12/18
FITACF 3.0 (filtered)



Zhongshan Station 2018/06/06
FITACF 2.5 (unfiltered)



Zhongshan Station 2018/06/06
FITACF 3.0 (unfiltered)



Zhongshan Station 2018/06/06
FITACF 3.0 (filtered)

