VARBC study using cycled and global coefficients in ALARO/Slovenia

Motivation

◢ Occasional significant fluctuations of the operational VarBC coefficients, still unresolved
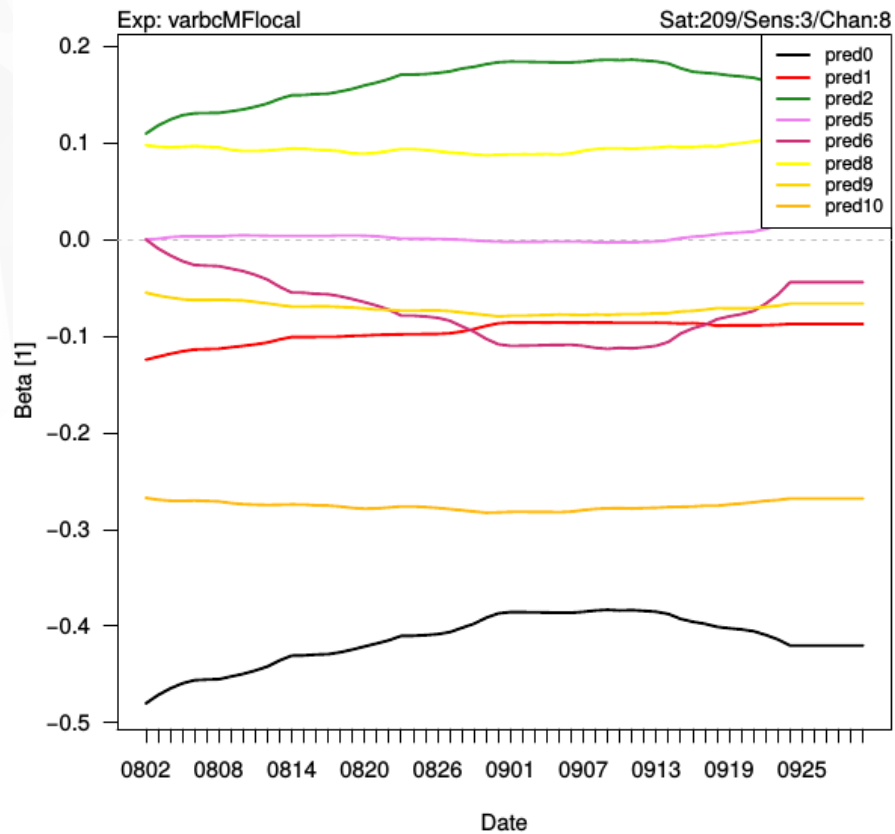◢ Idea: Try global Var-BC coefficients from ARPEGE with no updates

Experiment design

◤ Observations: NOAA 16,19, METOP A,B AMSU A,B/MH
◤ No SEVIRI (not available in ARPEGE)
◤ Period Sep-Oct 2015
◤ Start : 1 Aug, using global VarBC
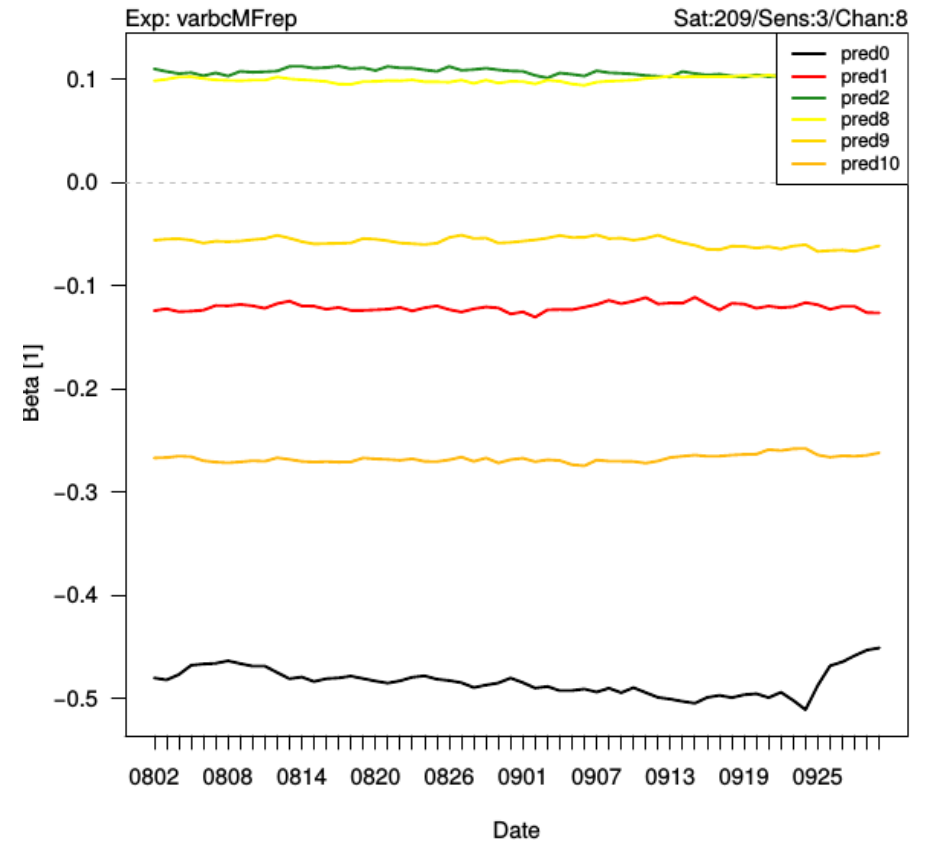◤ Locally cycled vs. global experiment

NOAA 18 – AMSU-A

Cycled in LAM

MF

meteo.si

NOAA 18 – AMSU-A
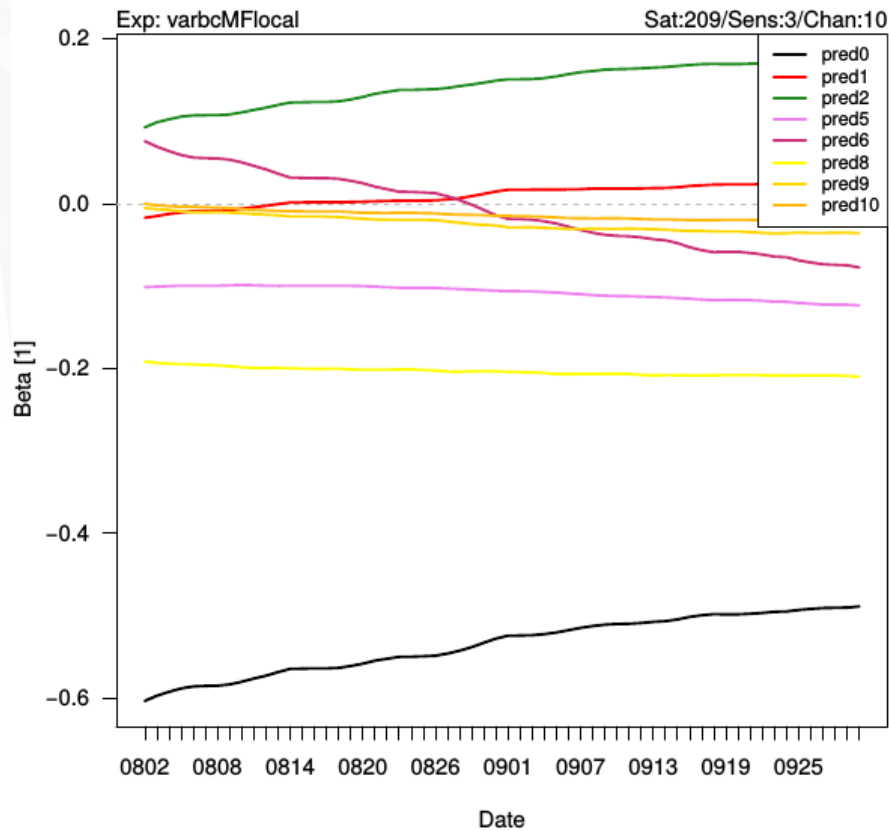
NOAA 18 – AMSU-A

Cycled in LAM

MF
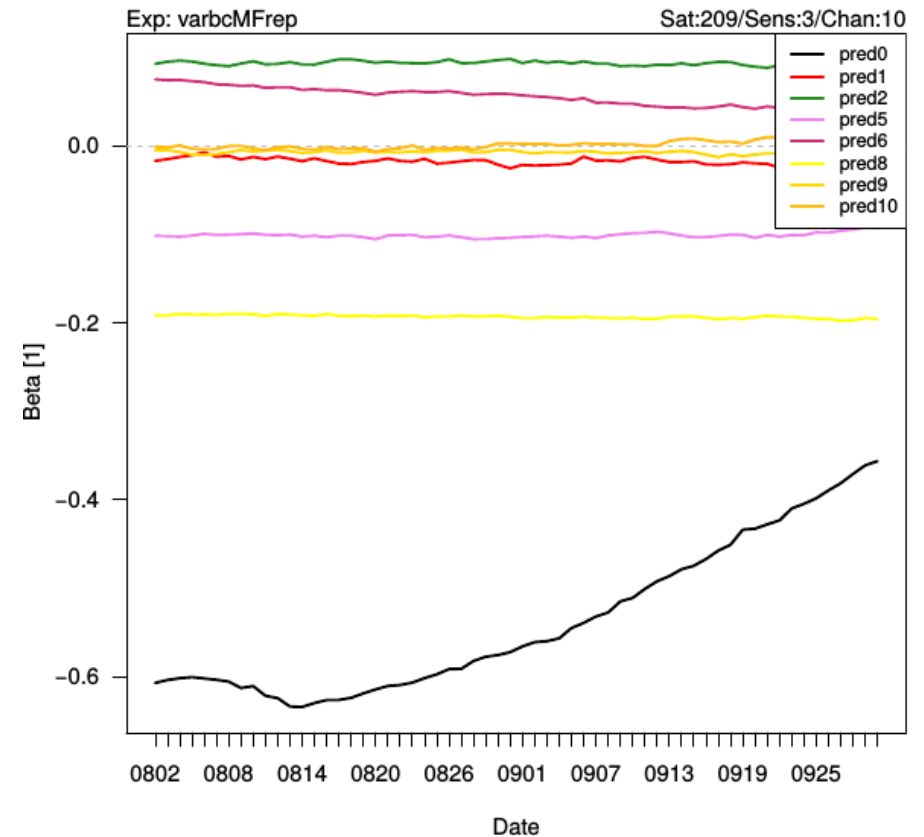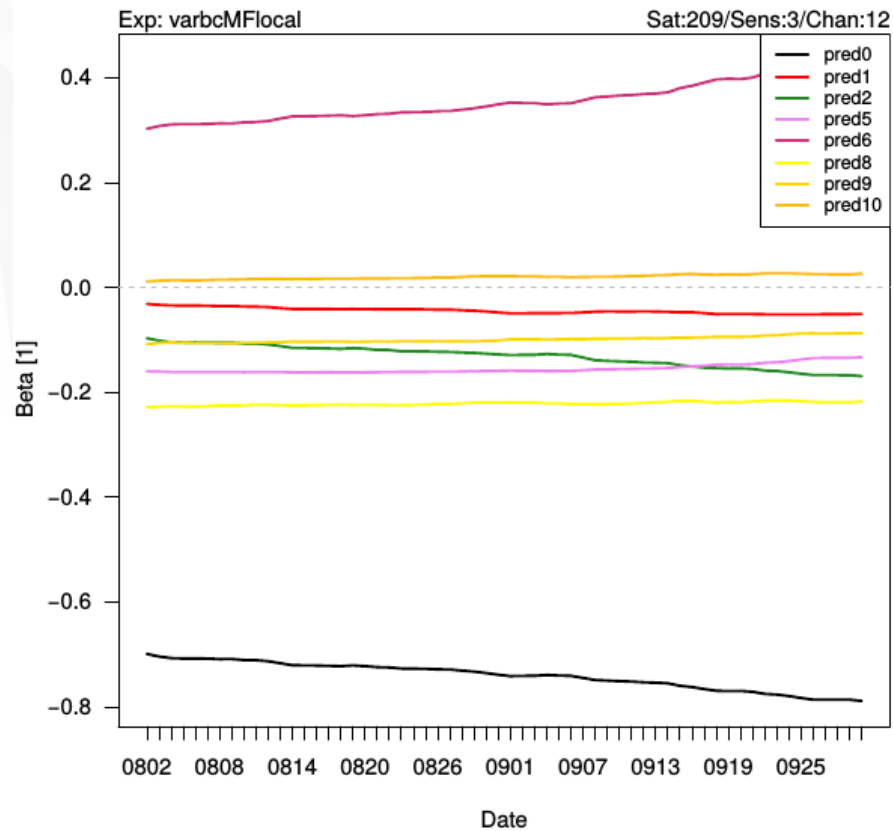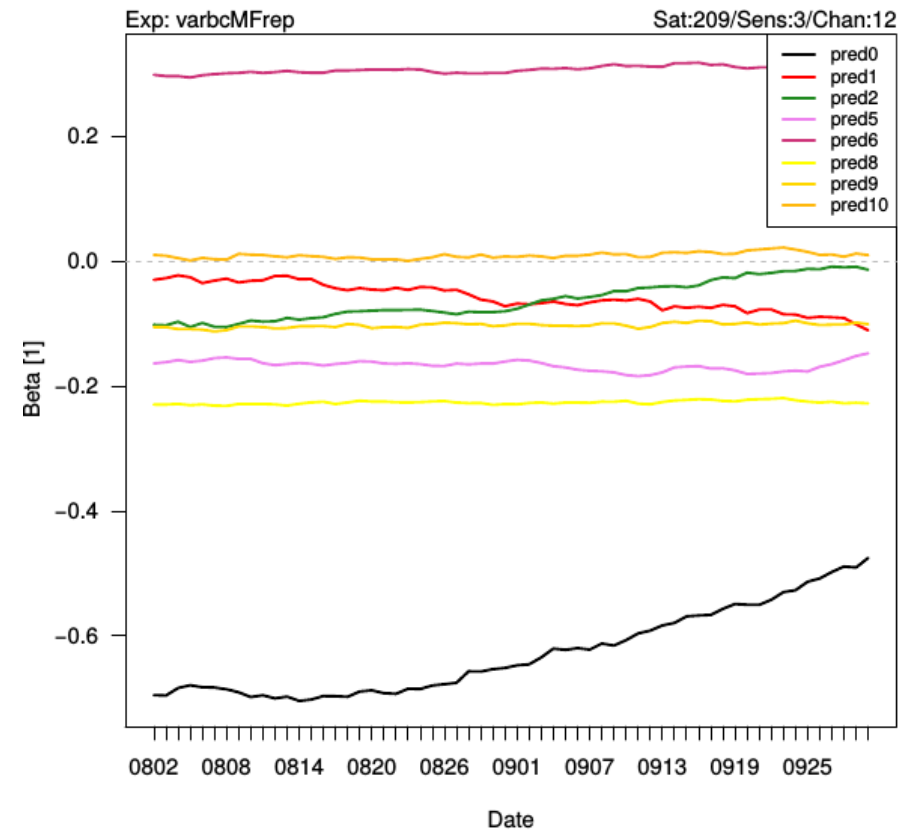
NOAA 18 – AMSU-B

Cycled in LAM

MF
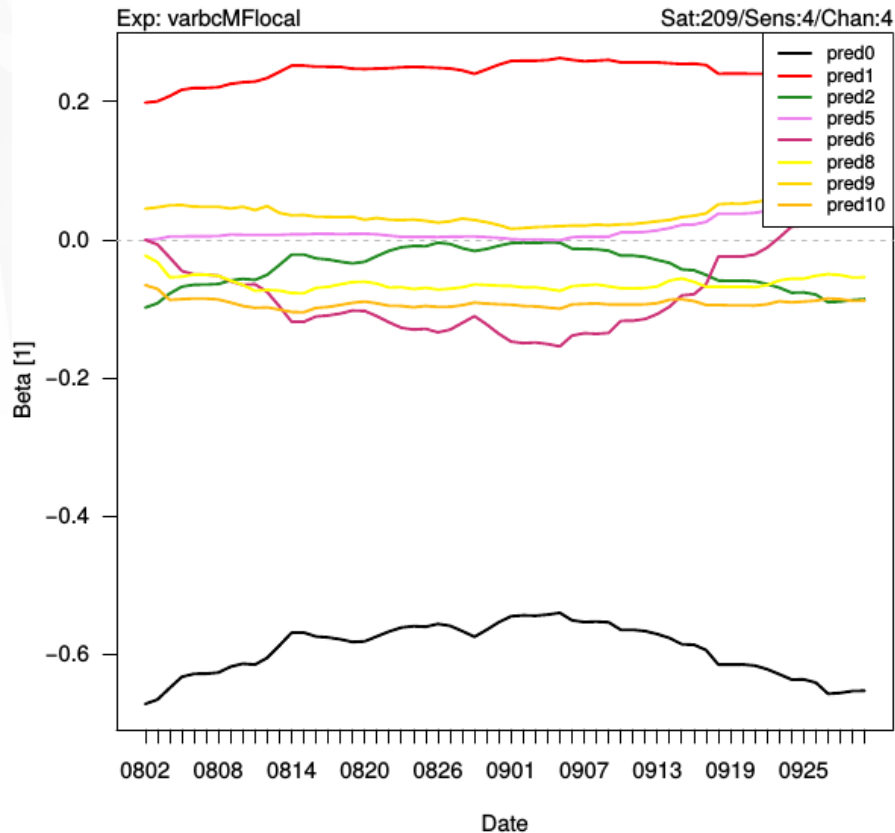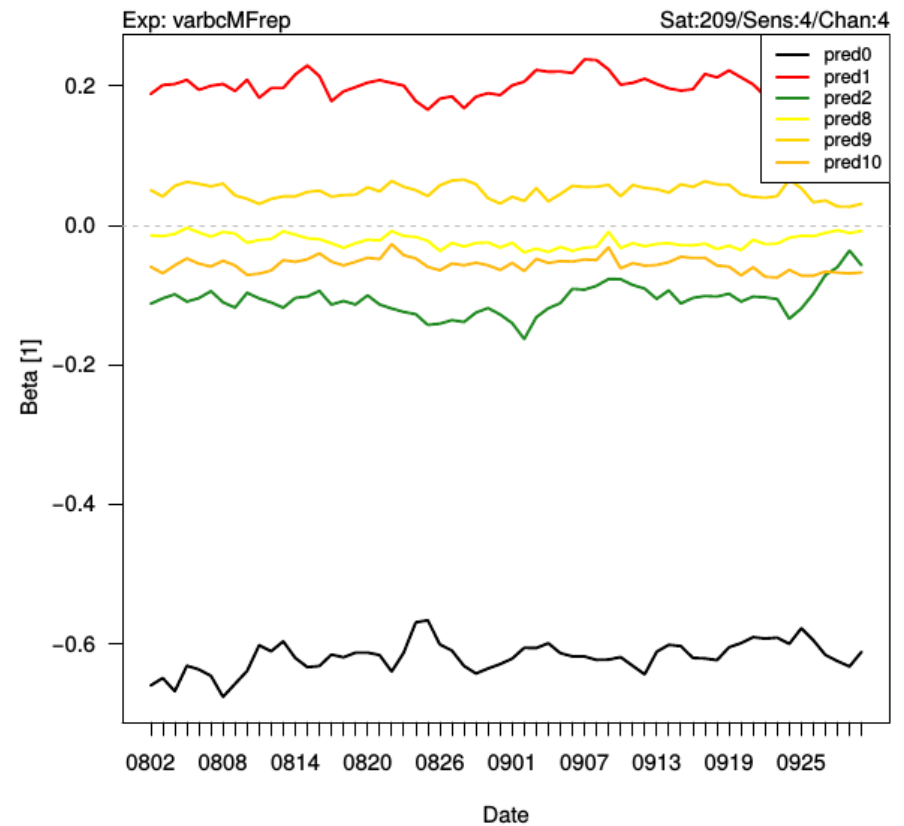
METOP 3 – AMSU-A

Cycled in LAM
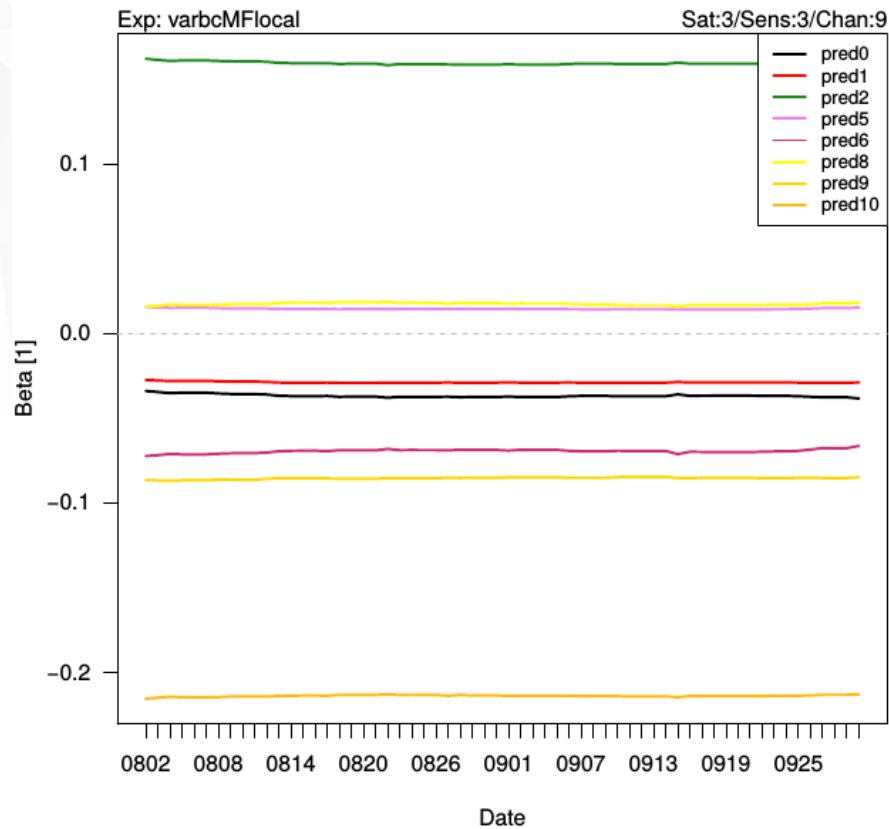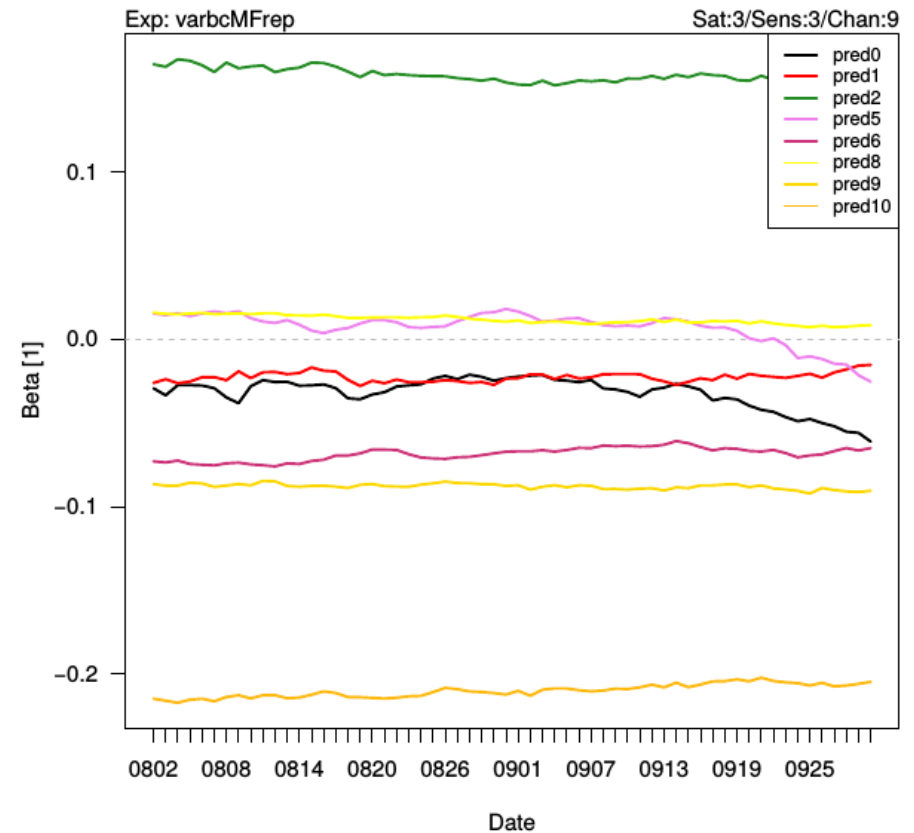
MF

NOAA 18 – AMSU-A

Cycled in LAM

MF
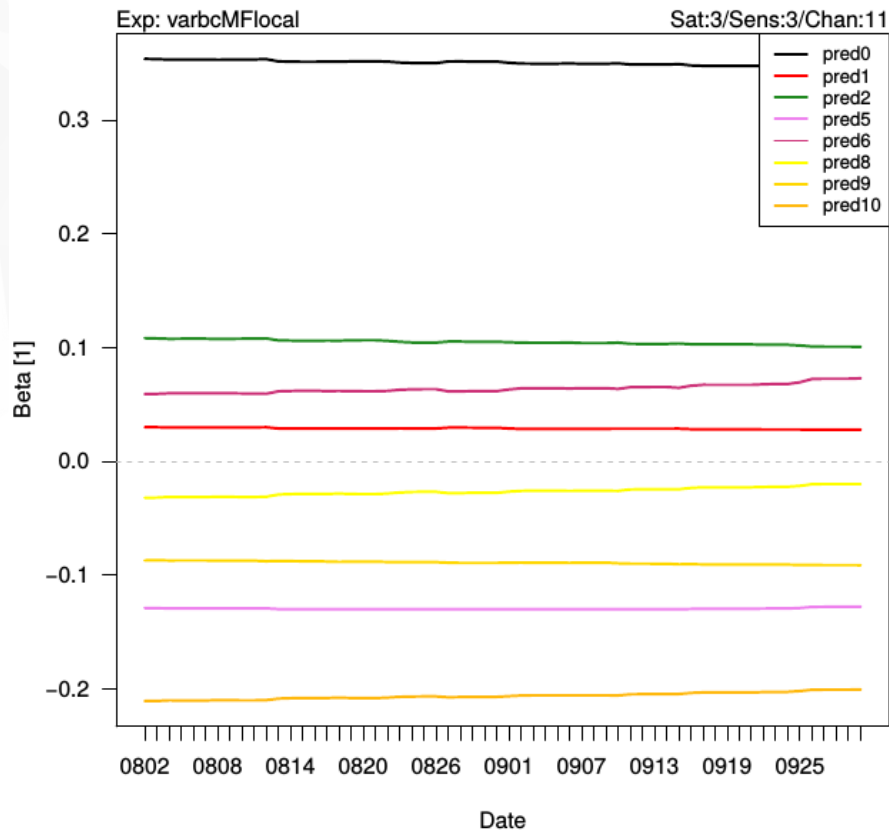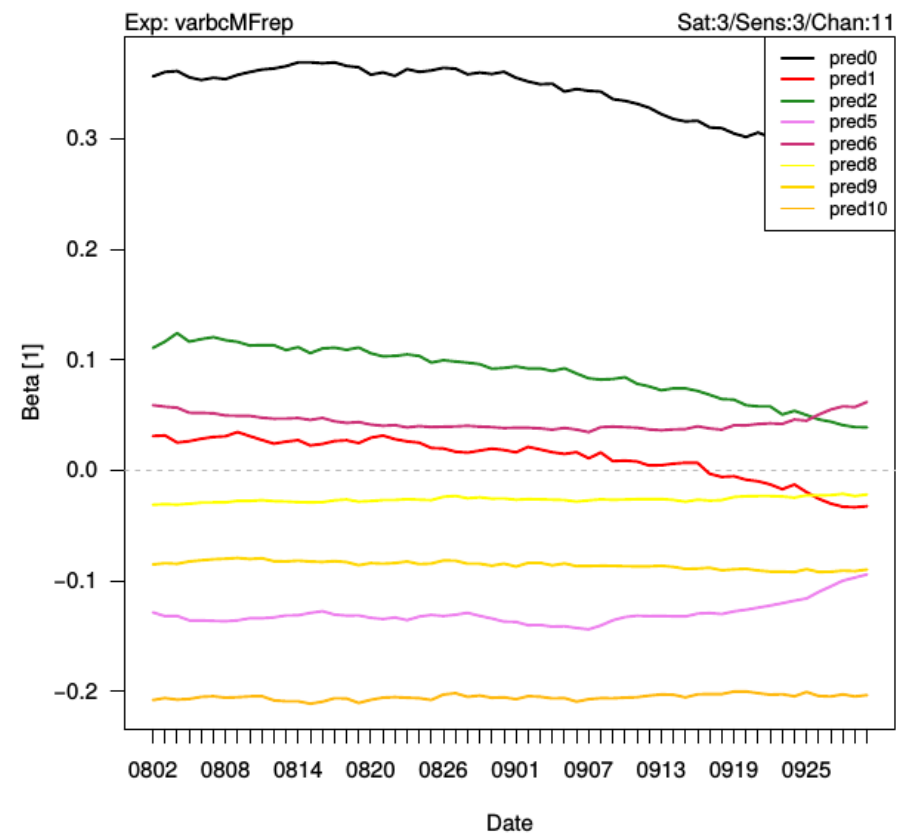
Problem: NOAA 19 – MHS

Cycled in LAM   MF