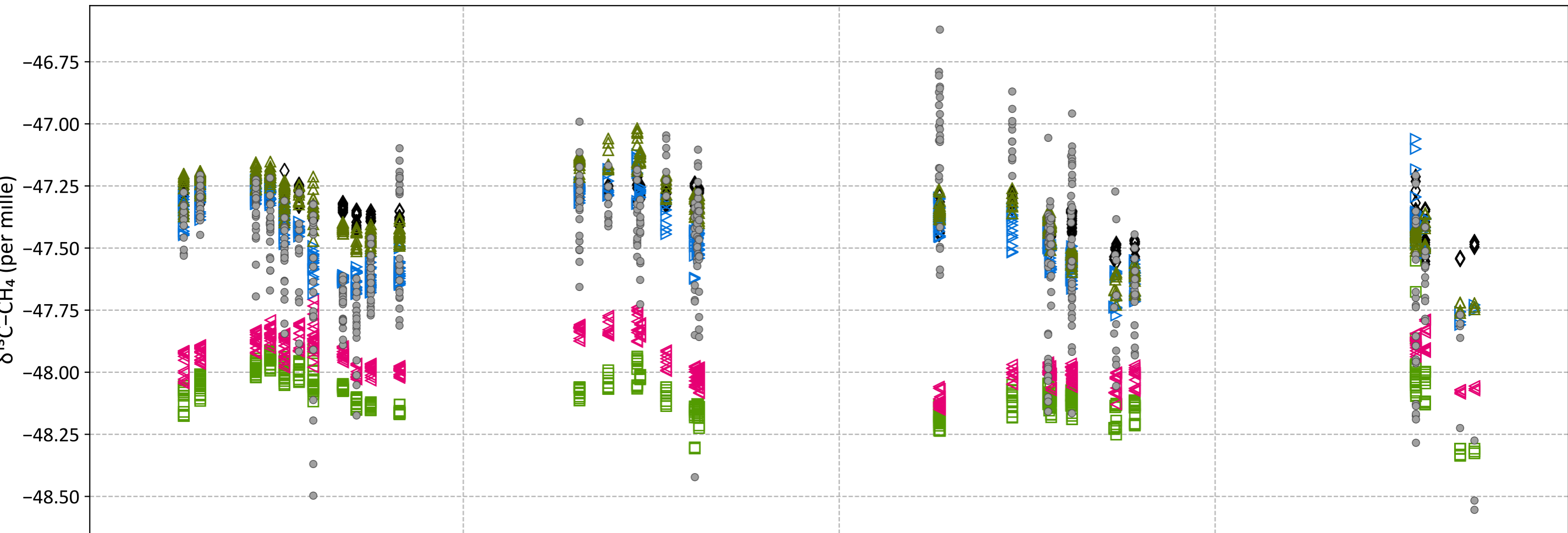


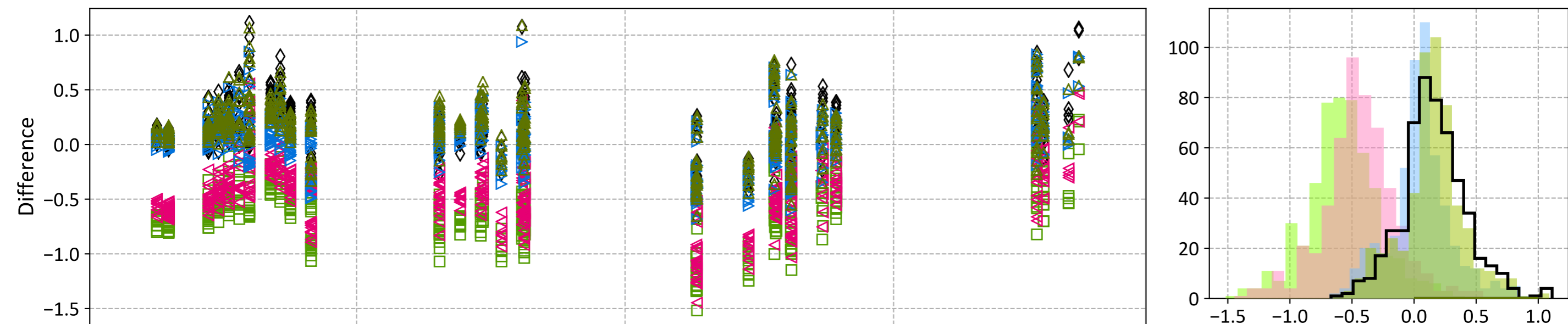
Alaska Coast Guard (NOAA) (ACG_ch4_aircraft_event_NOAA)



2013

2014

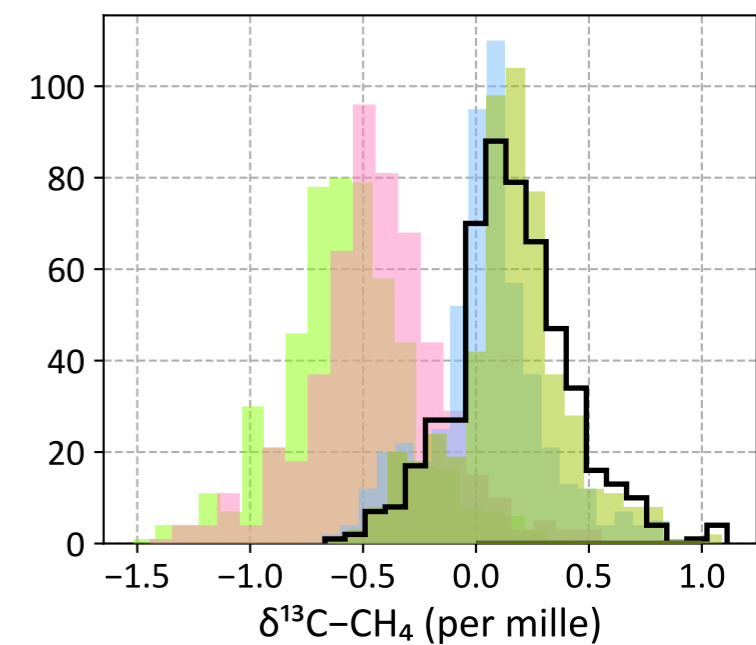
2015



2013

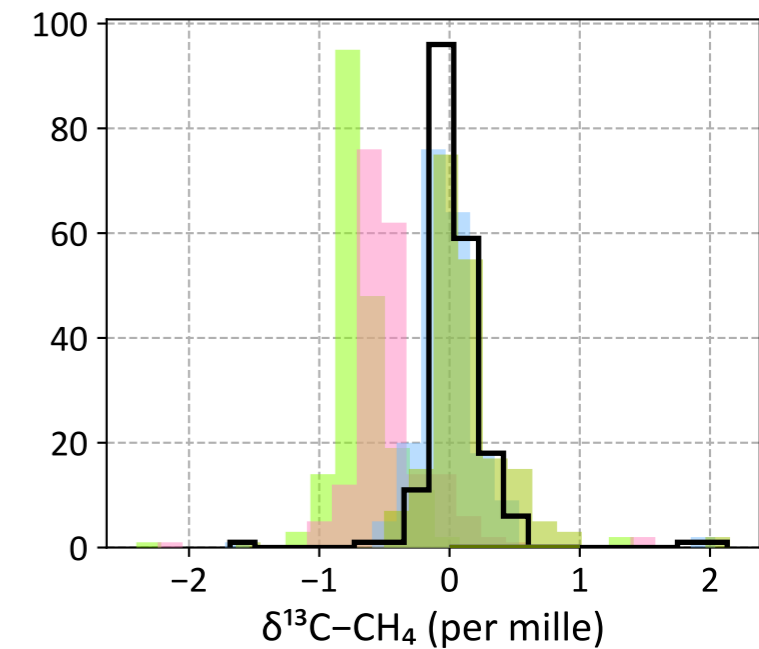
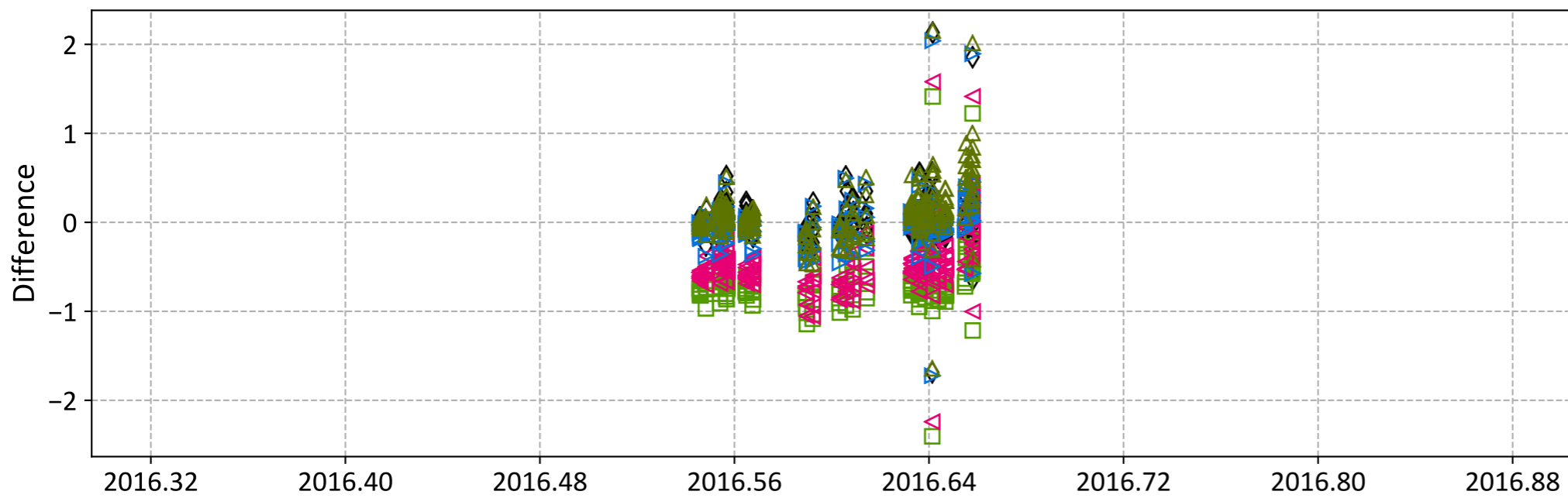
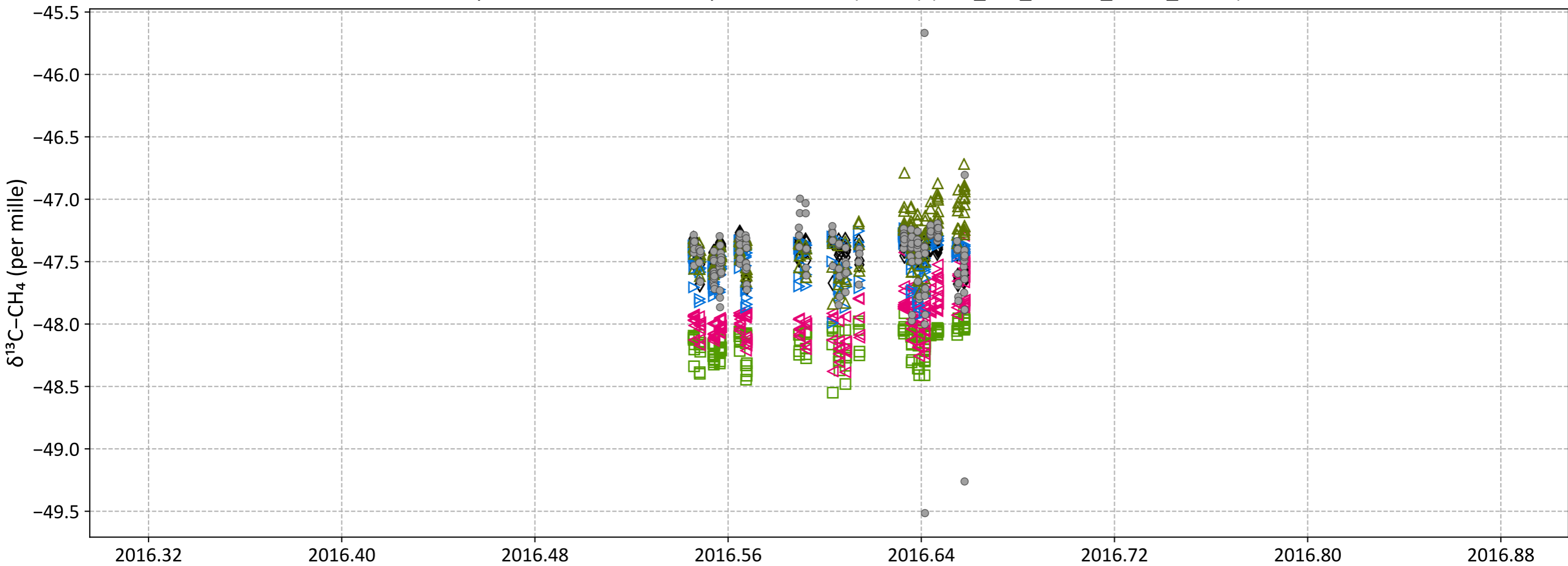
2014

2015



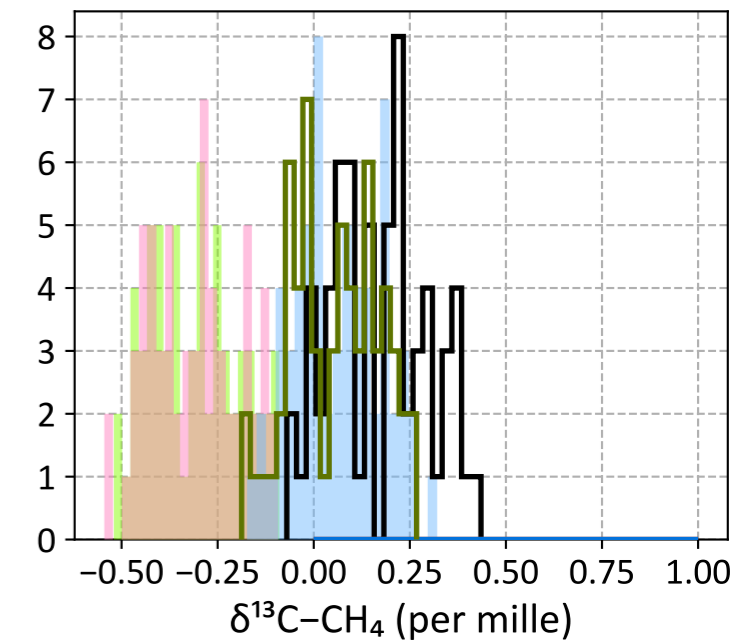
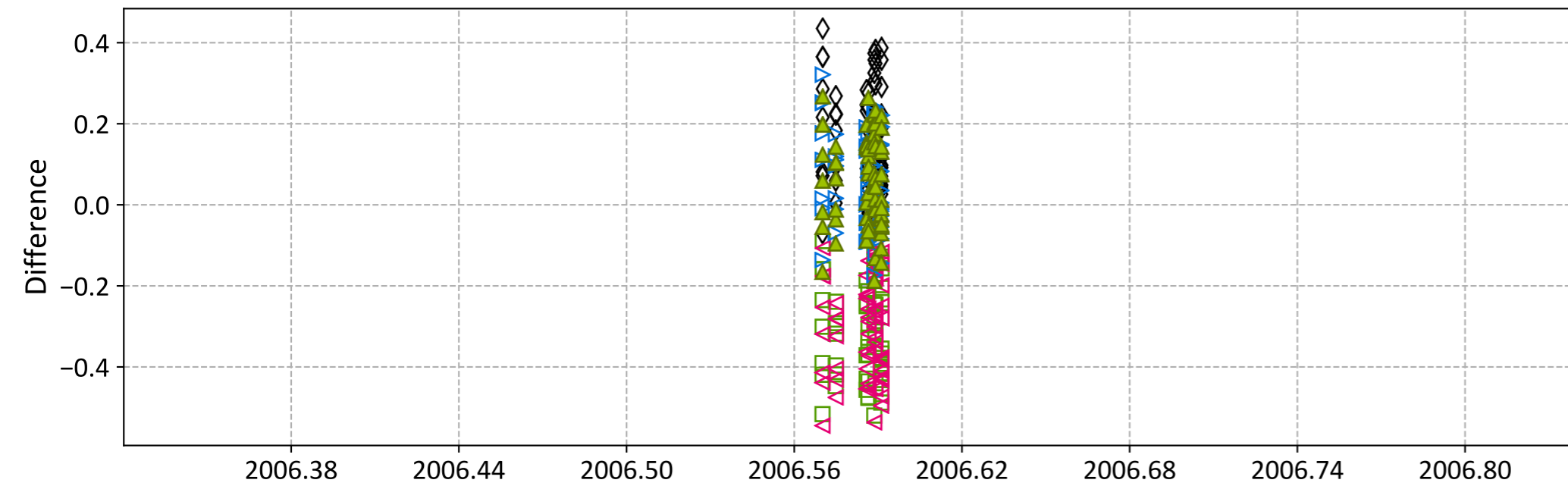
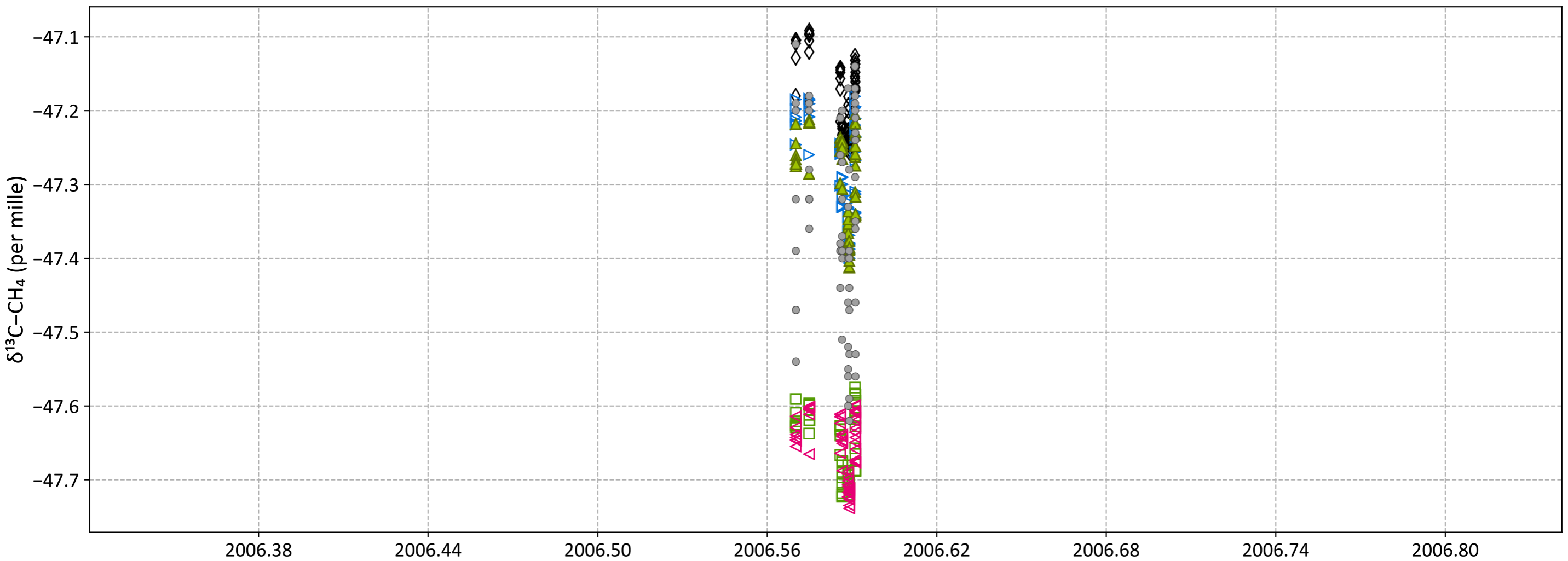
● Observed ◆ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Atmospheric Carbon and Transport - America (NOAA) (ACT_ch4_aircraft_event_NOAA)



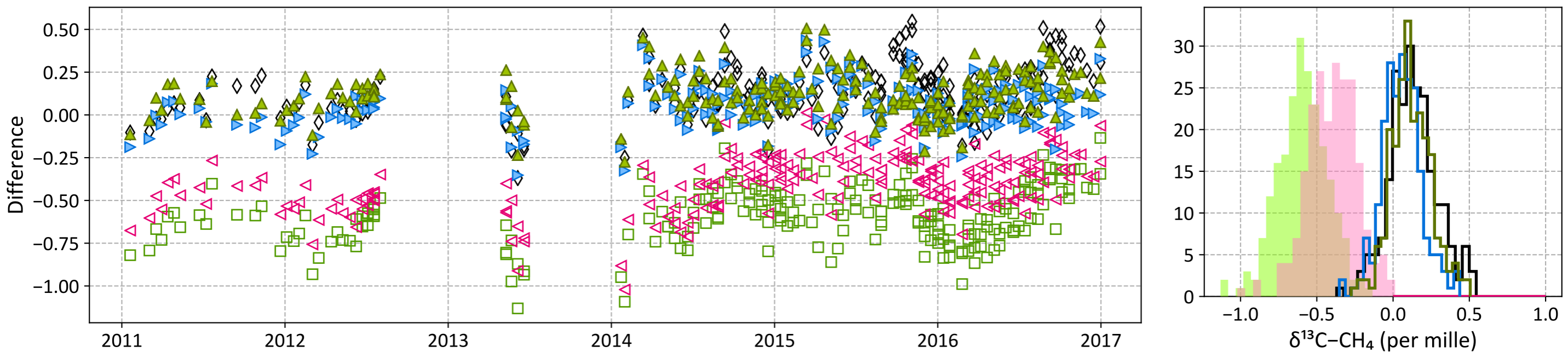
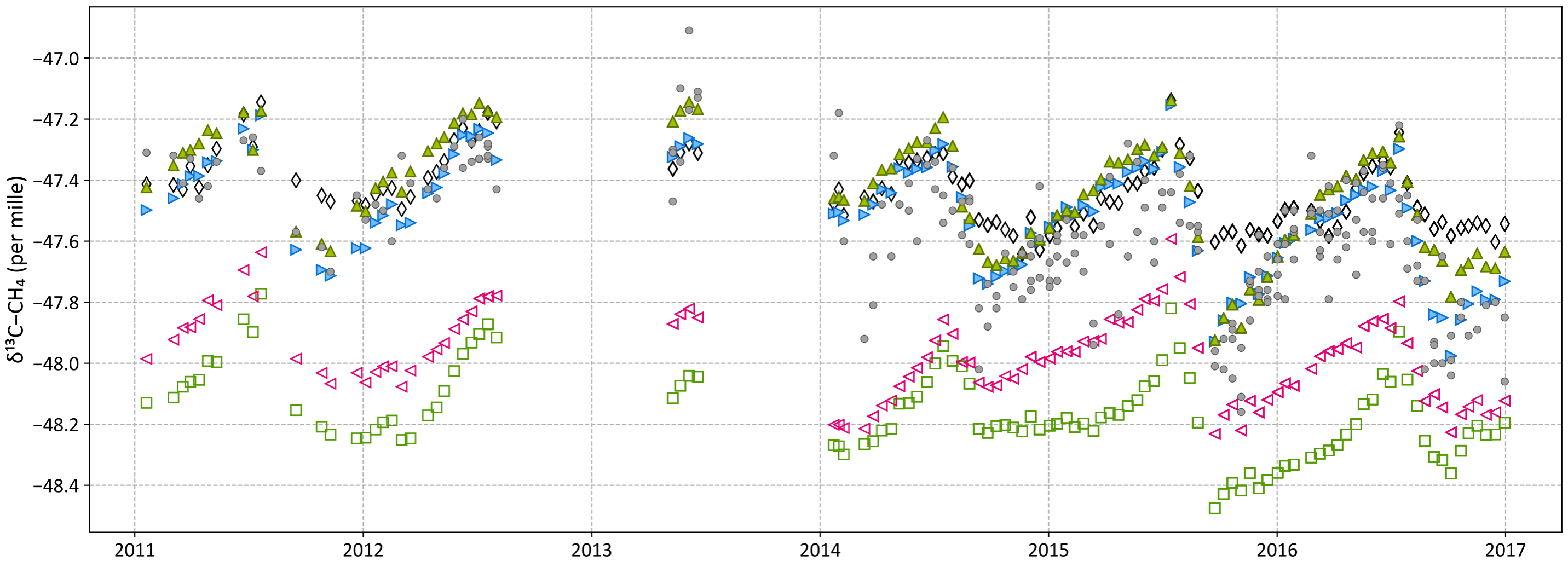
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Alaska (NIES) (ALK_ch4_aircraft_event_NIES)



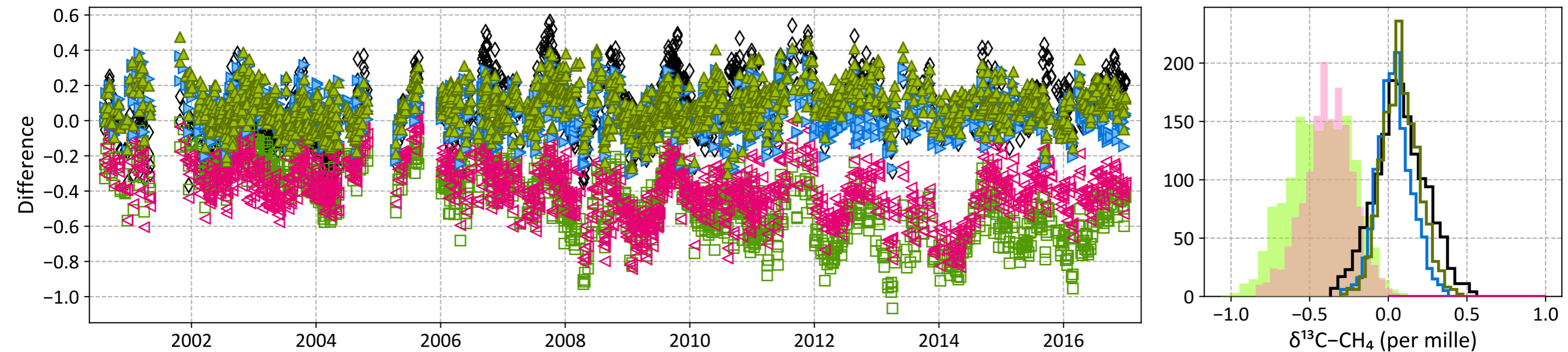
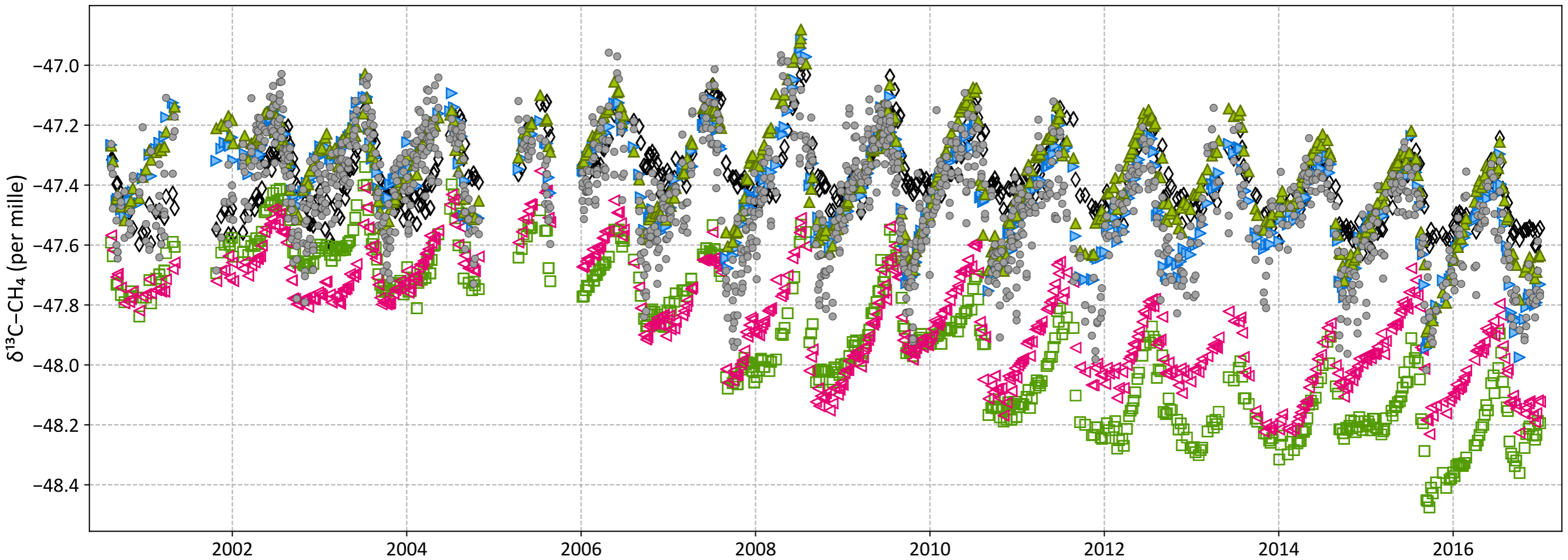
Observed
 Prior
 CH_4 only (safe)
 CH_4 only (full)
 $\text{CH}_4 + \delta^{13}\text{C}$ (safe)
 $\text{CH}_4 + \delta^{13}\text{C}$ (full)

Alert, Nunavut (MPI-BGC, Canada) (ALT_ch4_surface_event_MPI-BGC)



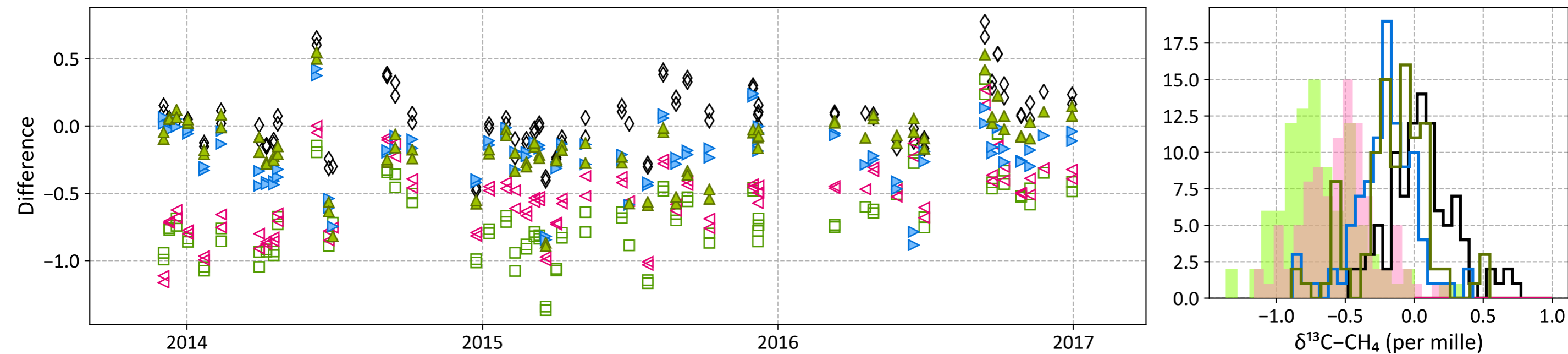
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Alert, Nunavut (NOAA, Canada) (ALT_ch4_surface_event_NOAA)



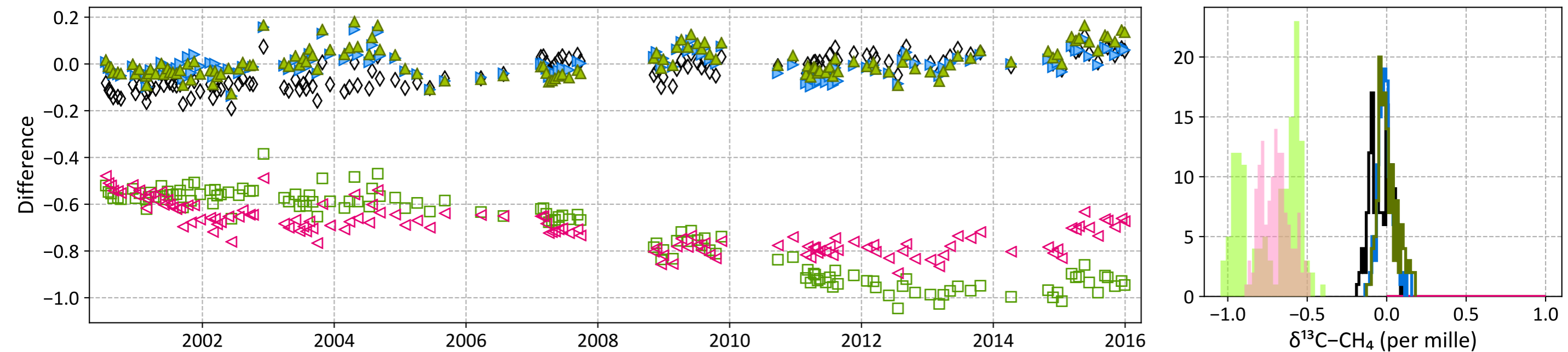
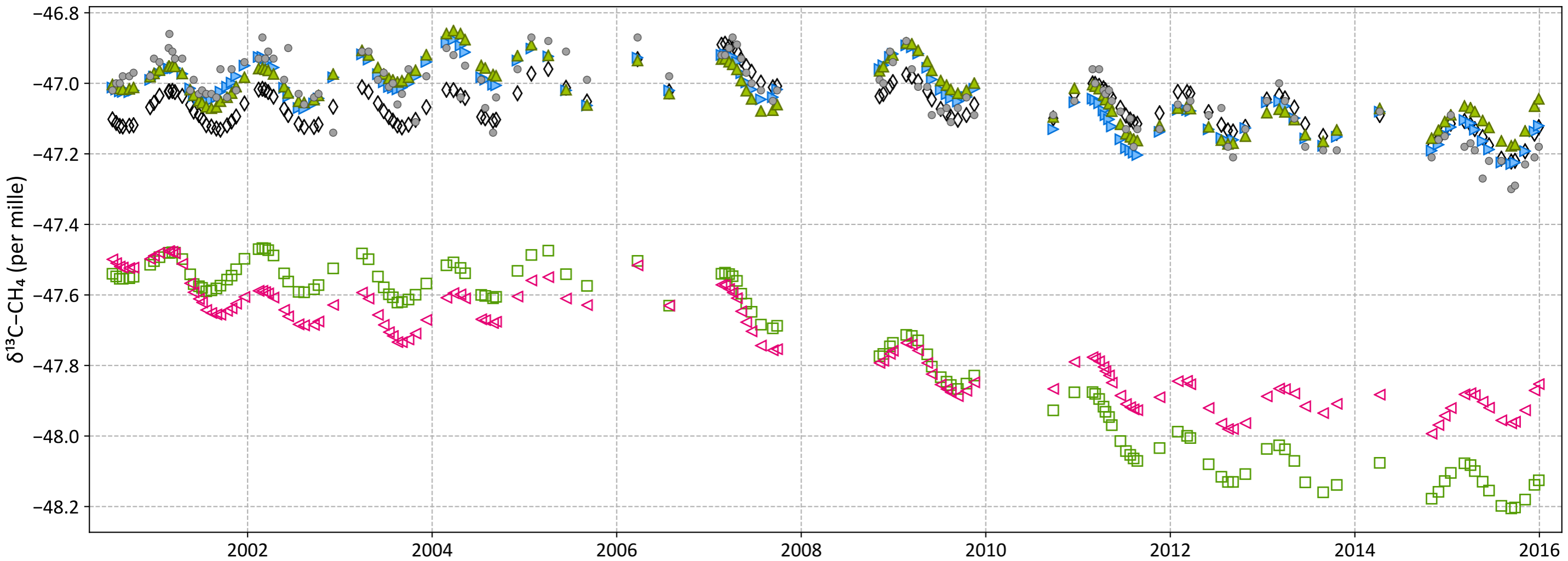
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Anmyeon-do (NOAA, Republic of Korea) (AMY_ch4_surface_event_NOAA)



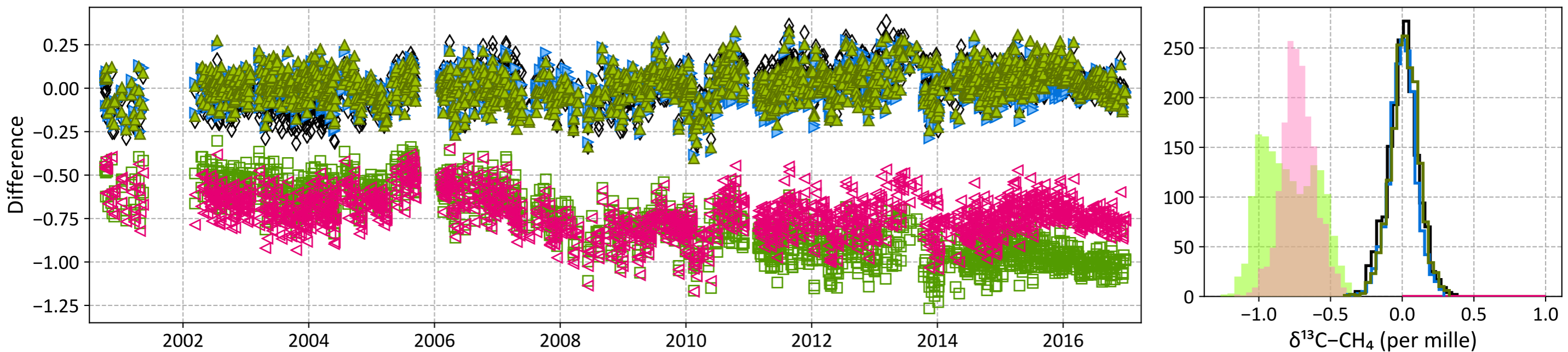
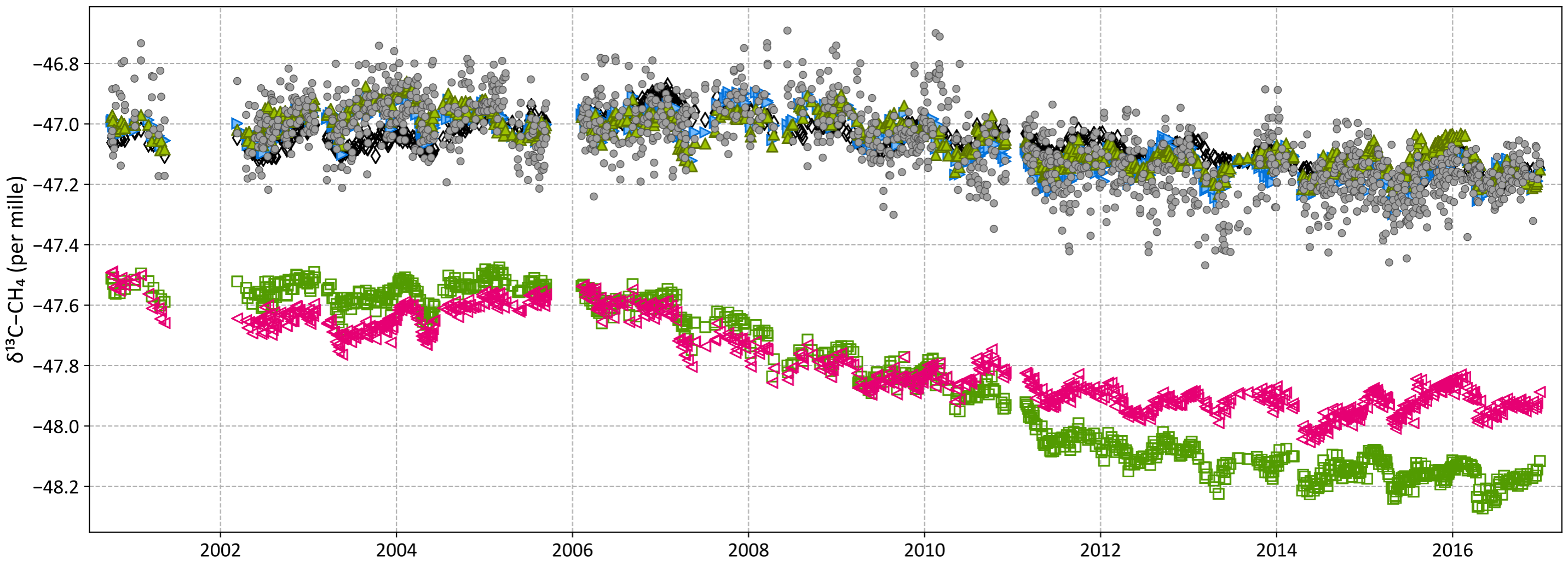
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Arrival Heights, Antarctica (NIWA, New Zealand) (ARH_ch4_surface_event_NIWA)



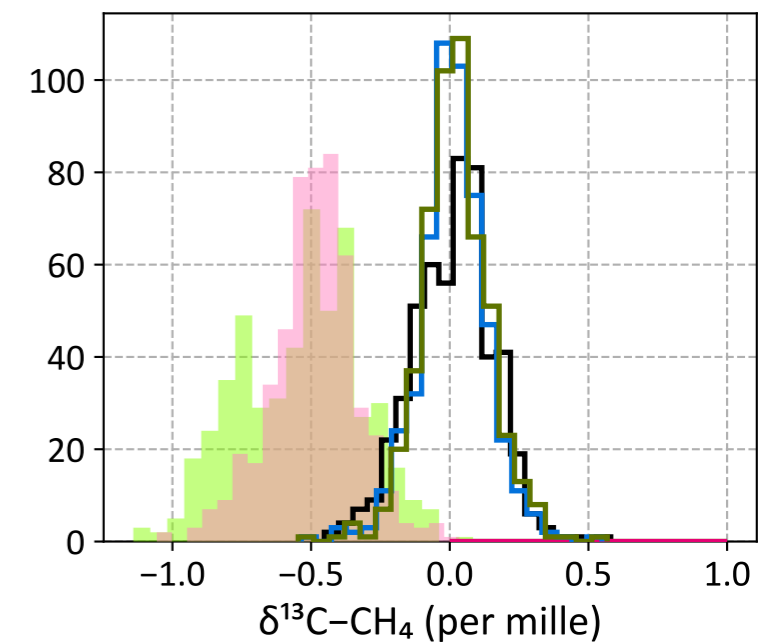
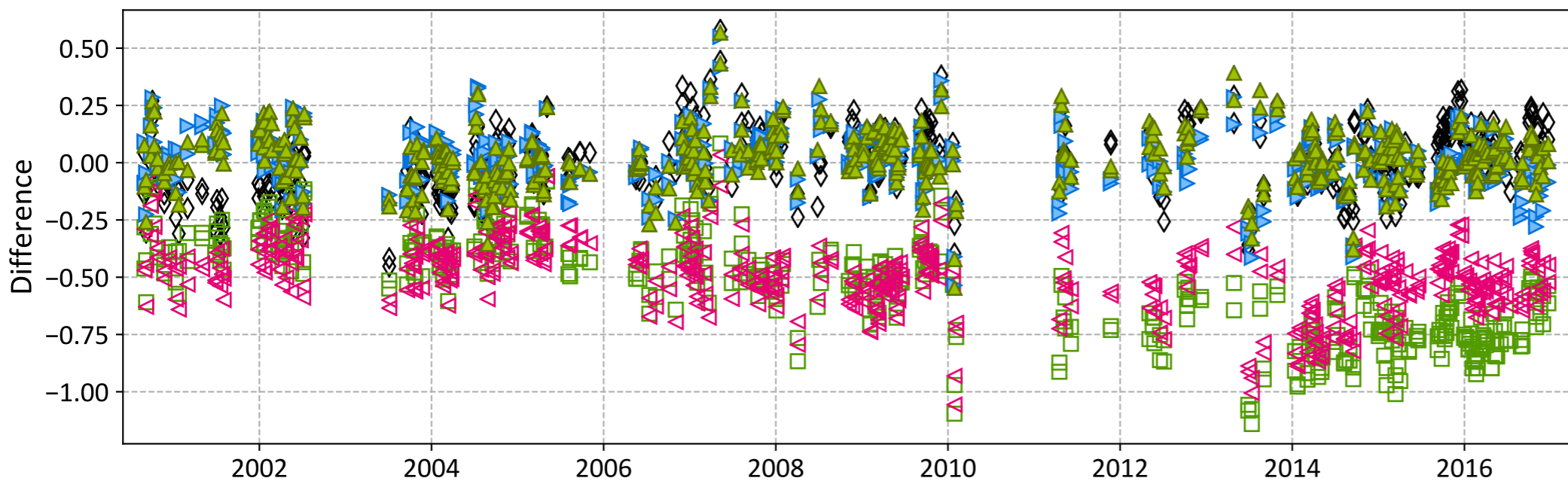
● Observed ◇ Prior ■ CH₄ only (safe) ◀ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Ascension Island (NOAA, United Kingdom) level (ASC_ch4_surface_event_NOAA)



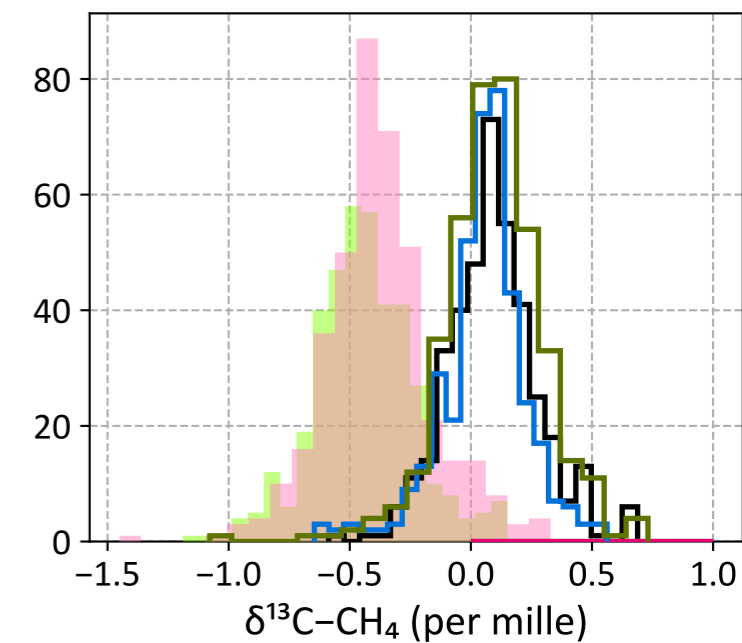
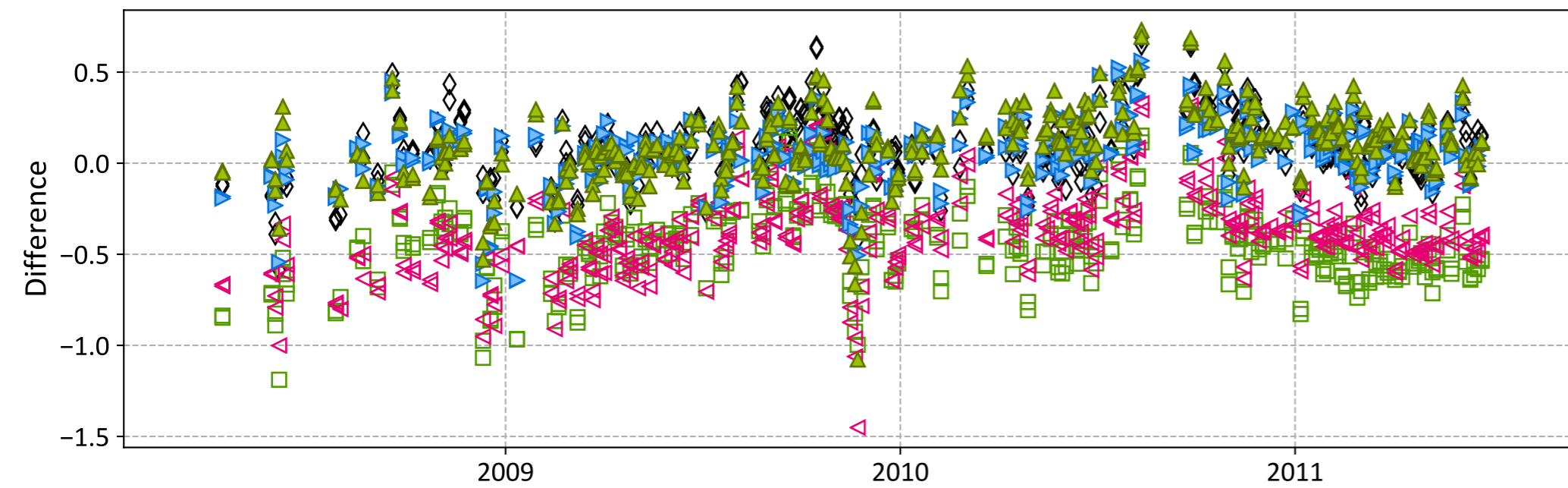
● Observed
 ◇ Prior
 ■ CH₄ only (safe)
 ◀ CH₄ only (full)
 ▶ CH₄+ $\delta^{13}\text{C}$ (safe)
 ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Terceira Island, Azores (NOAA, Portugal) level (AZR_ch4_surface_event_NOAA)



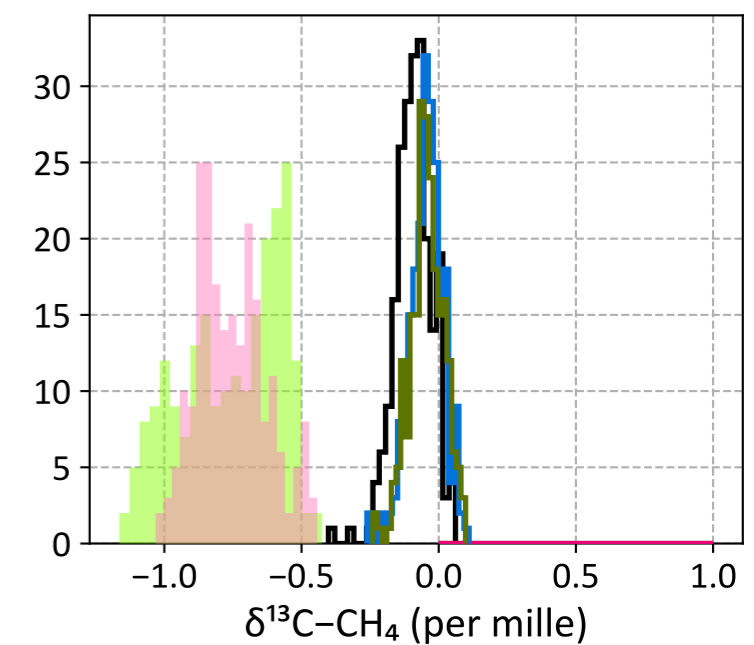
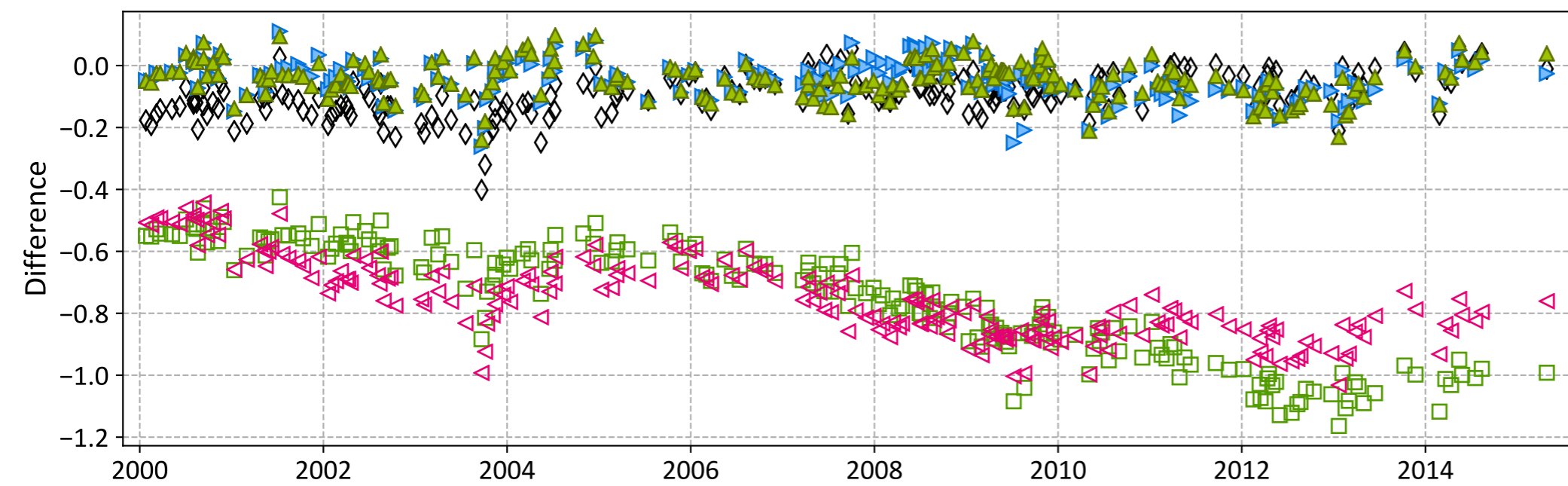
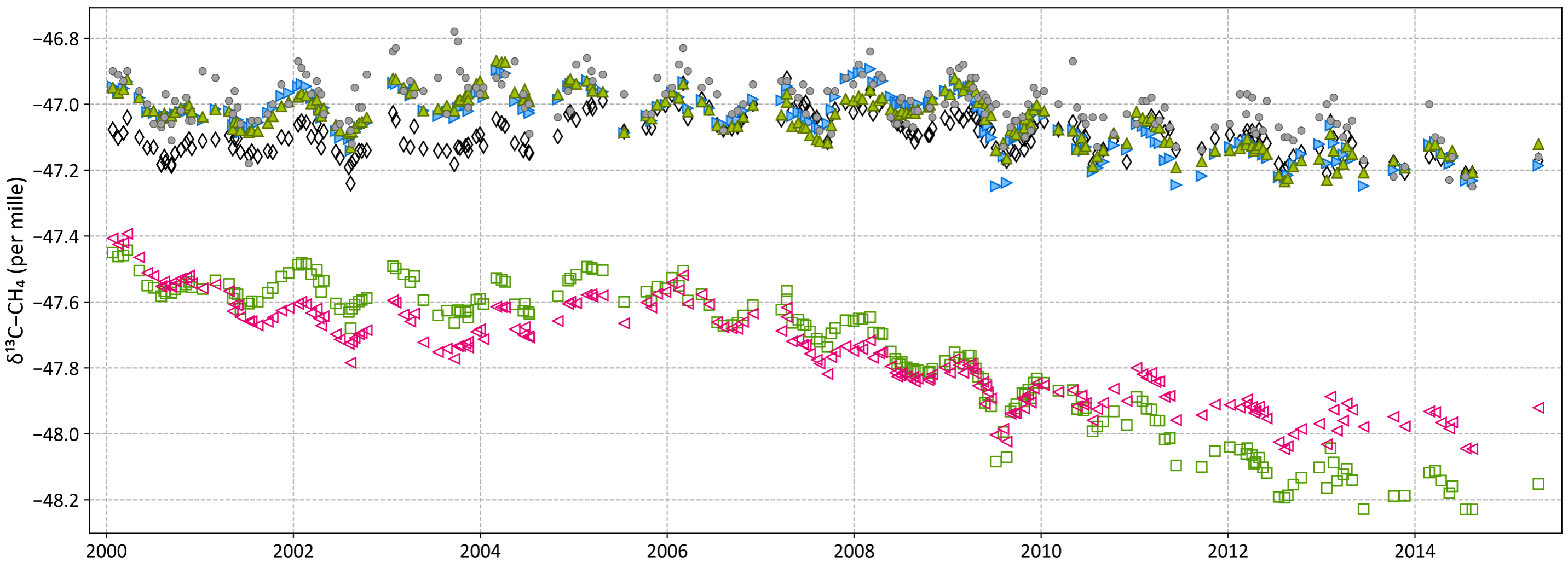
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Baltic Sea (NOAA, Poland) (BAL_ch4_surface_event_NOAA)



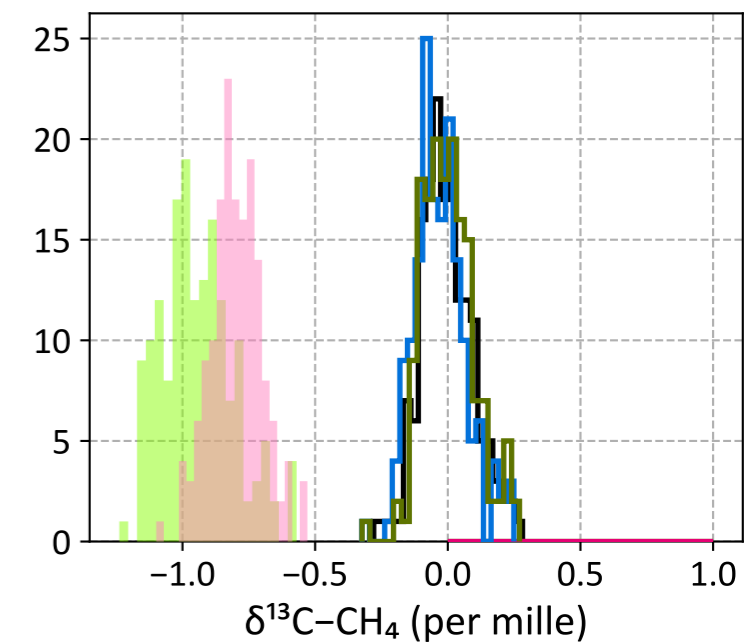
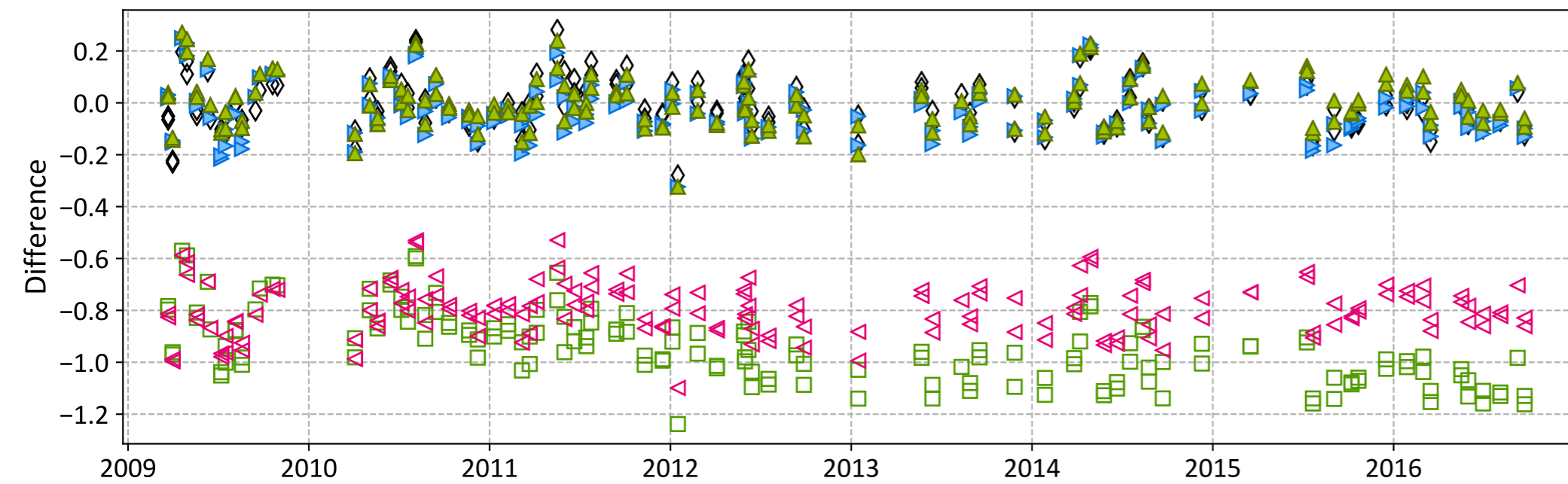
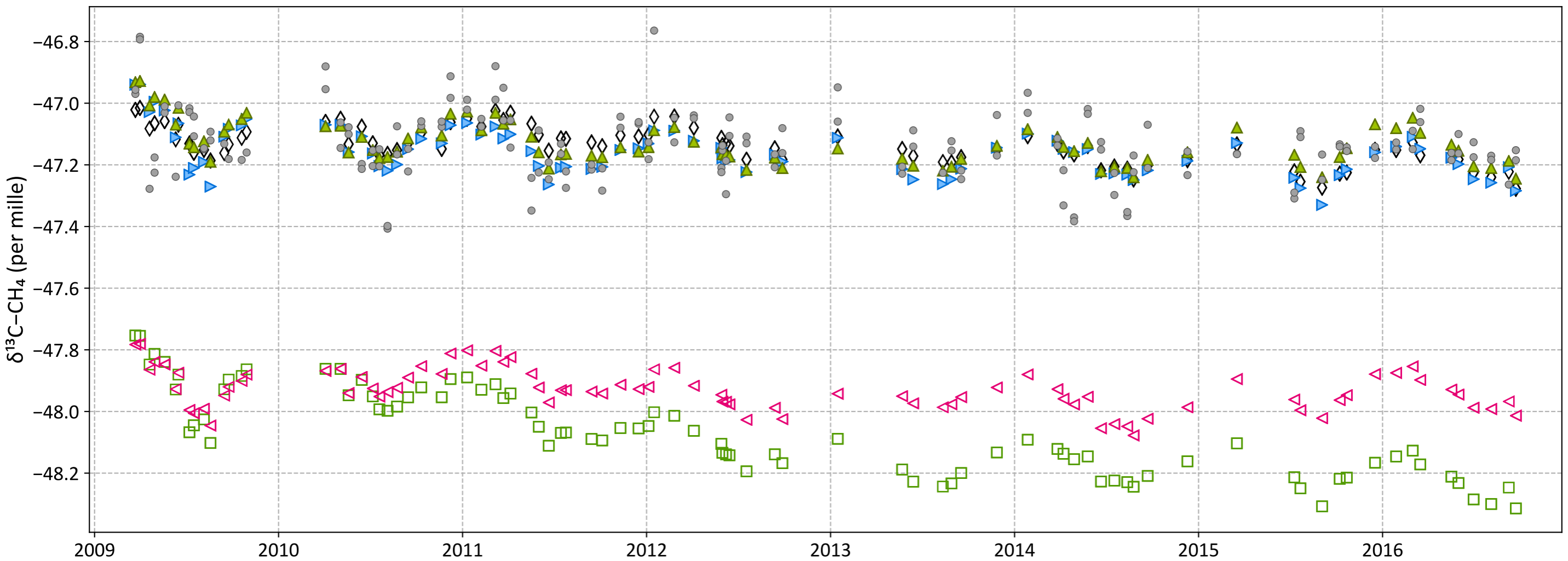
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Baring Head Station (NIWA, New Zealand) (BHD_ch4_surface_event_NIWA)



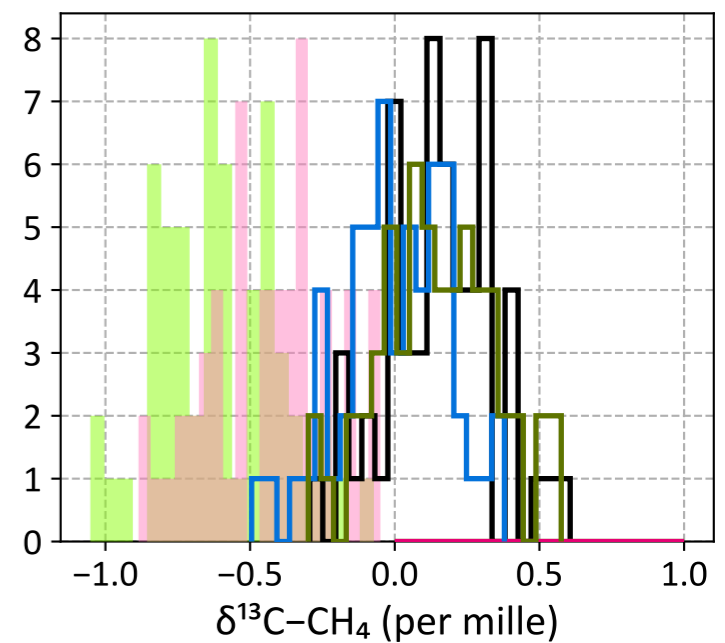
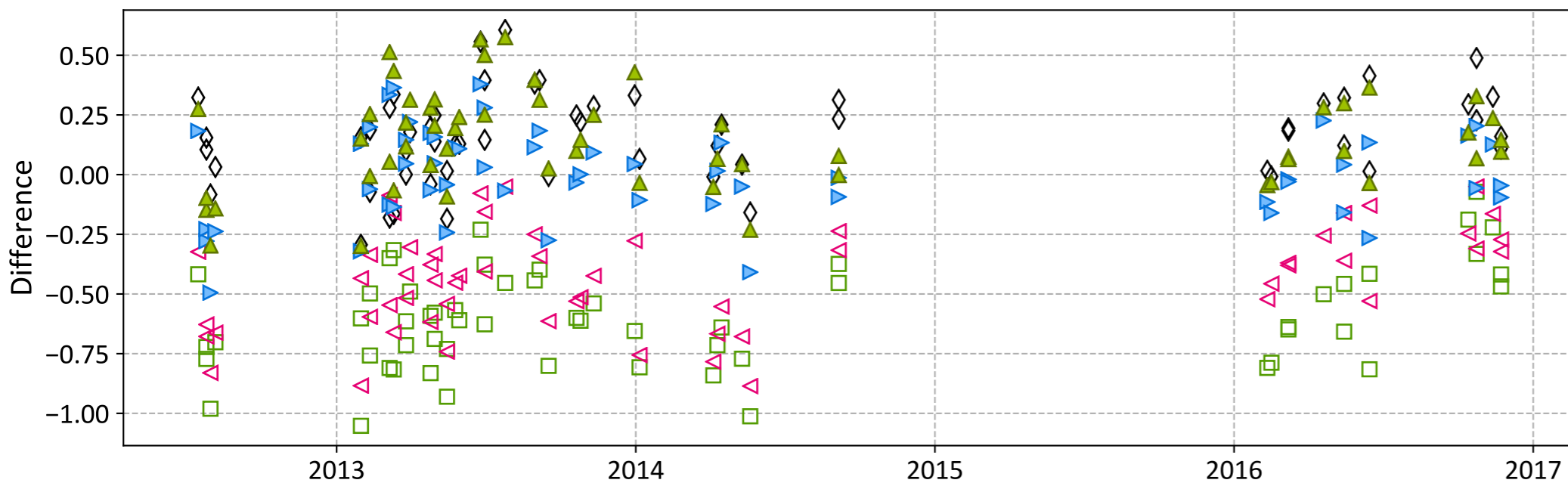
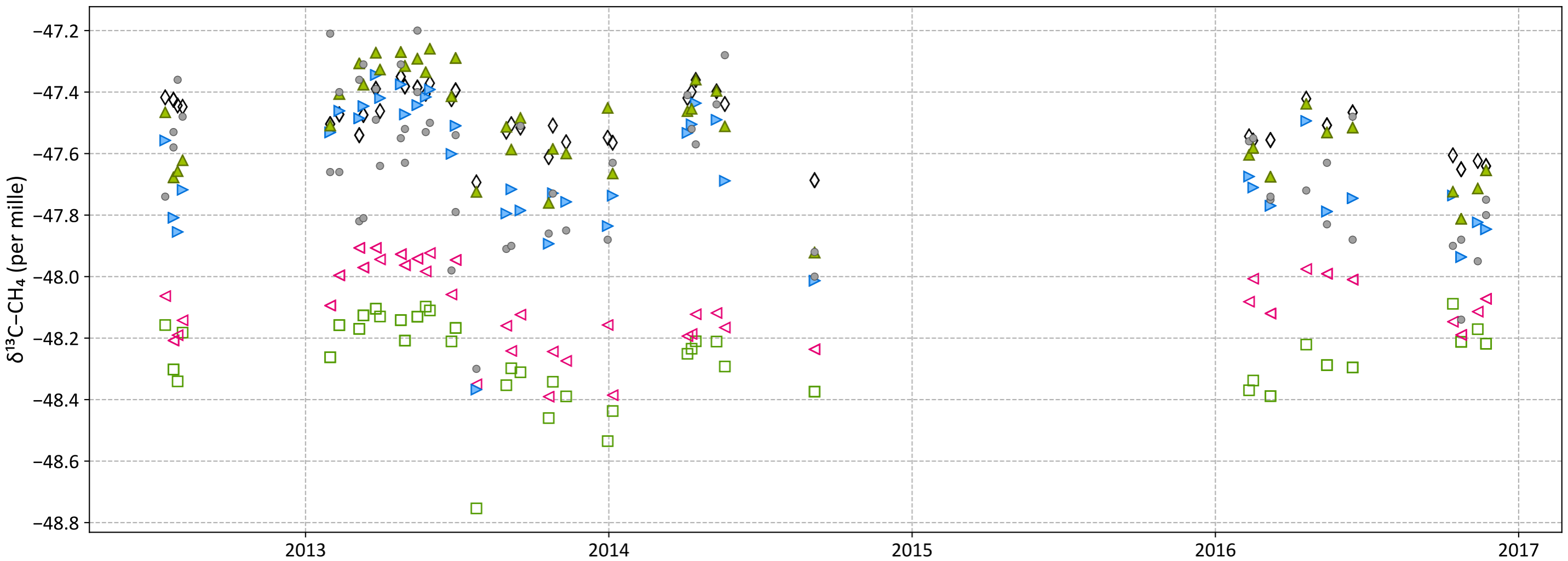
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Baring Head Station (NOAA, New Zealand) level (BHD_ch4_surface_event_NOAA)



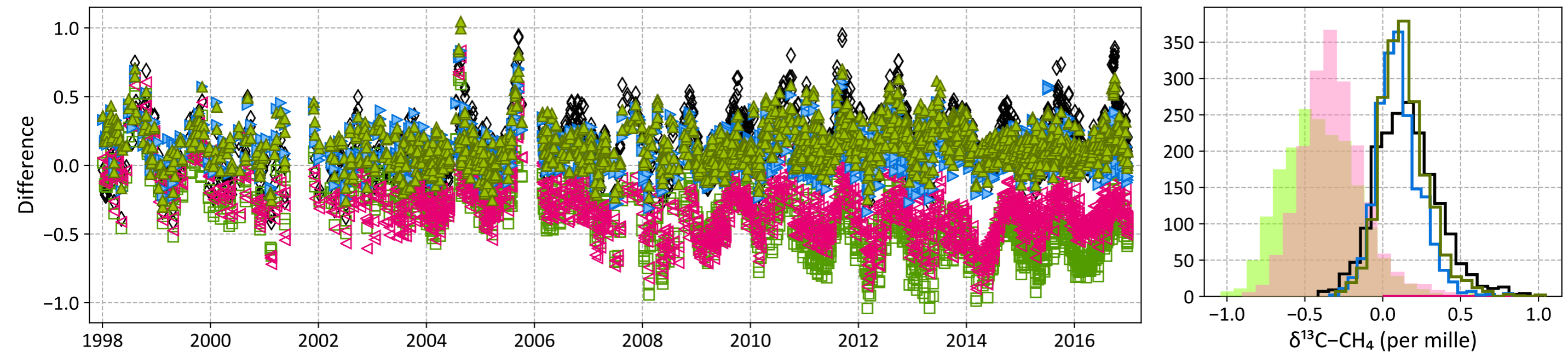
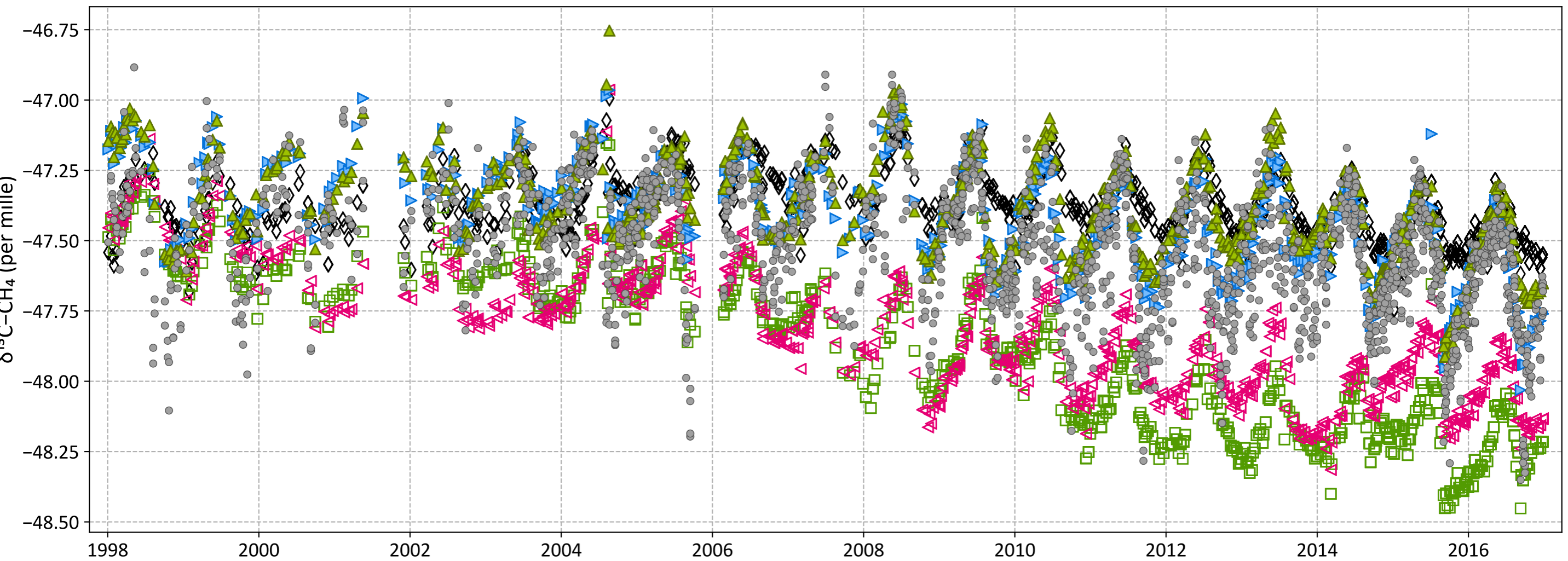
● Observed
 ◊ Prior
 ■ CH₄ only (safe)
 ◄ CH₄ only (full)
 ▶ CH₄+δ¹³CH₄ (safe)
 ▲ CH₄+δ¹³CH₄ (full)

Bialystok (MPI-BGC, Poland) (BIK_ch4_surface_event_MPI-BGC)



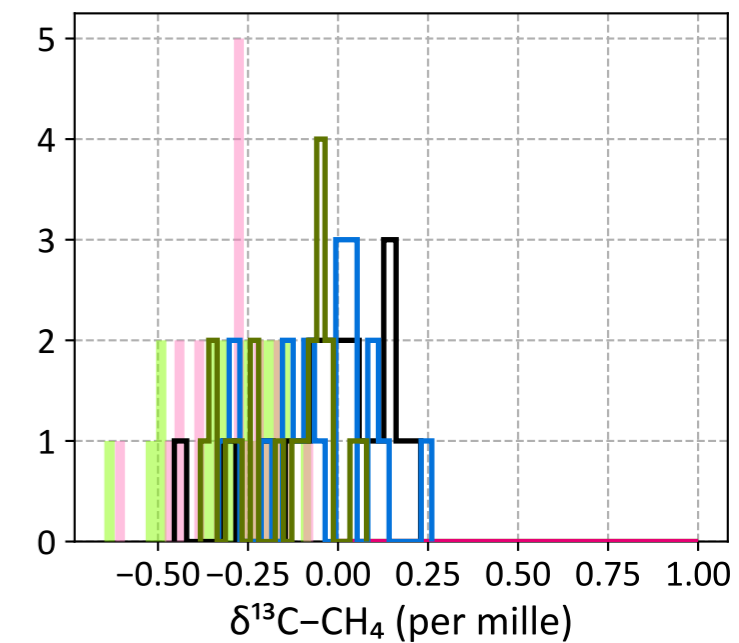
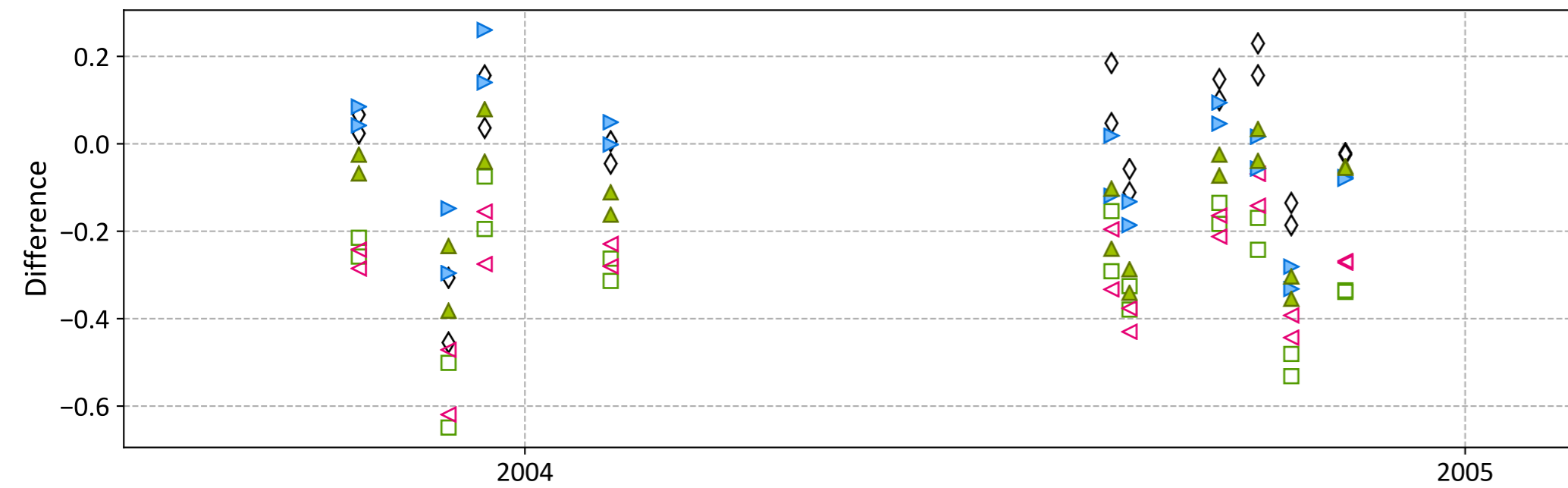
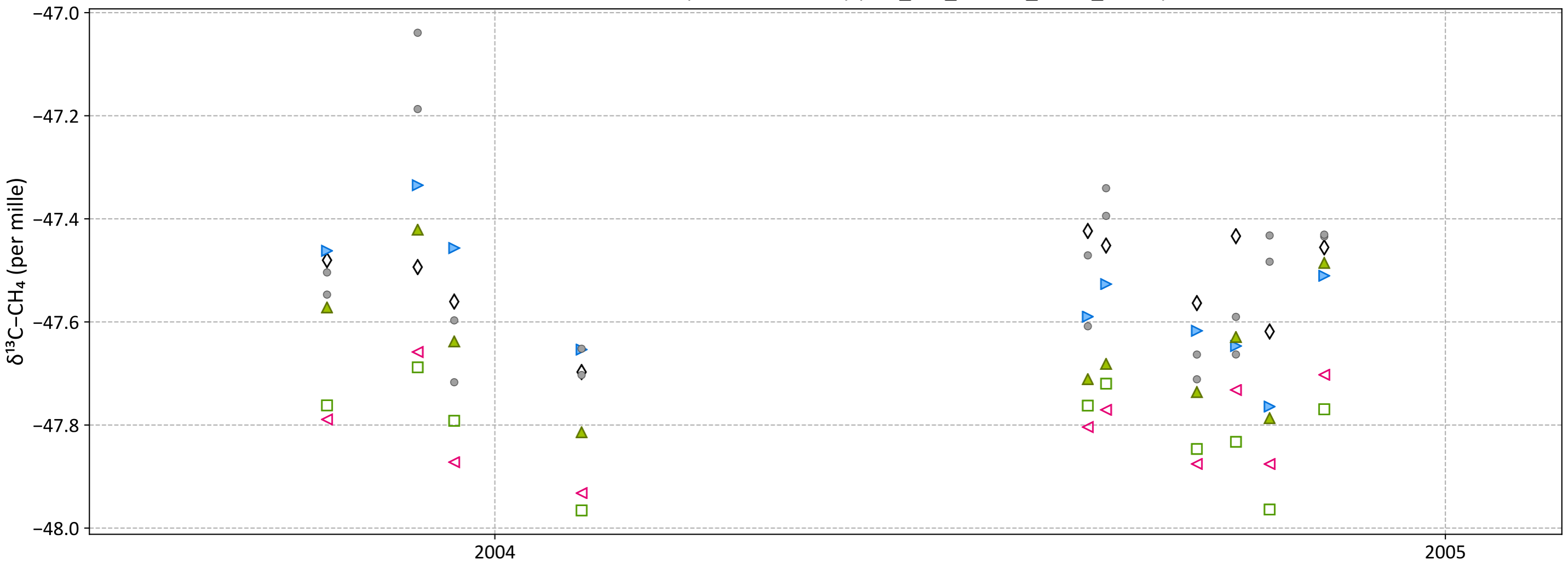
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{CH}_4$ (safe) ▲ CH₄+ $\delta^{13}\text{CH}_4$ (full)

Barrow Atmospheric Baseline Observatory (NOAA, United States) level (BRW_ch4_surface_event_NOAA)



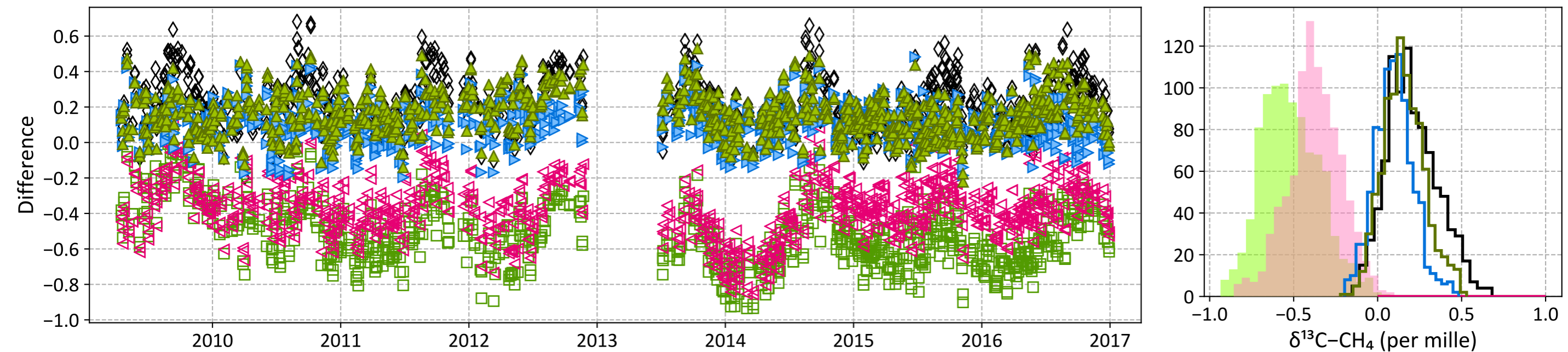
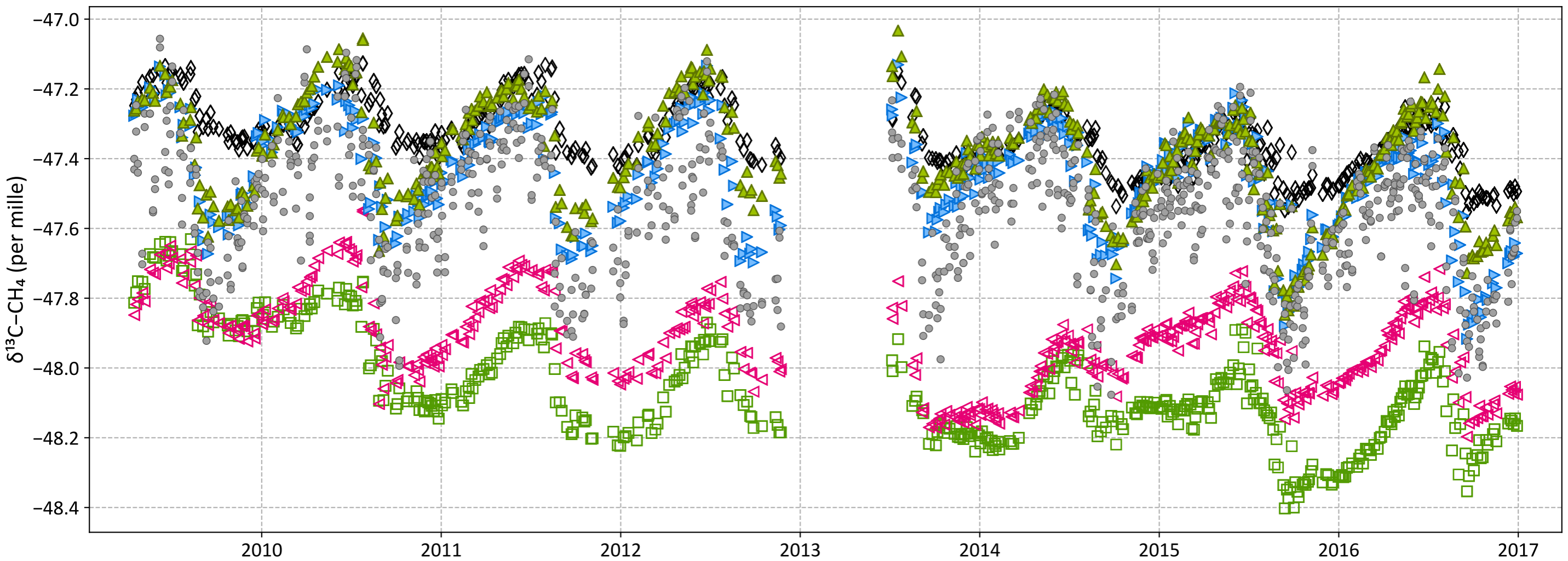
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Black Sea, Constanta (NOAA, Romania) (BSC_ch4_surface_event_NOAA)



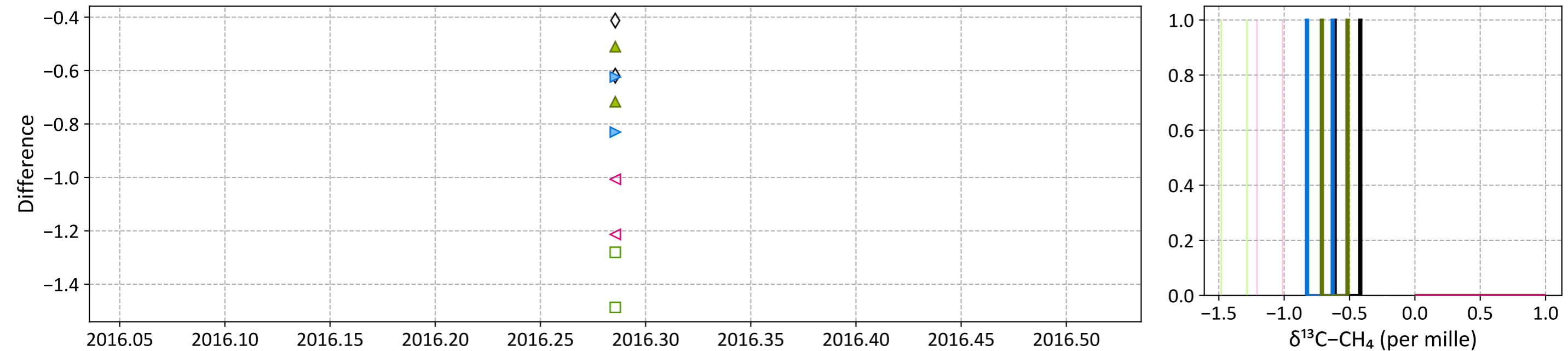
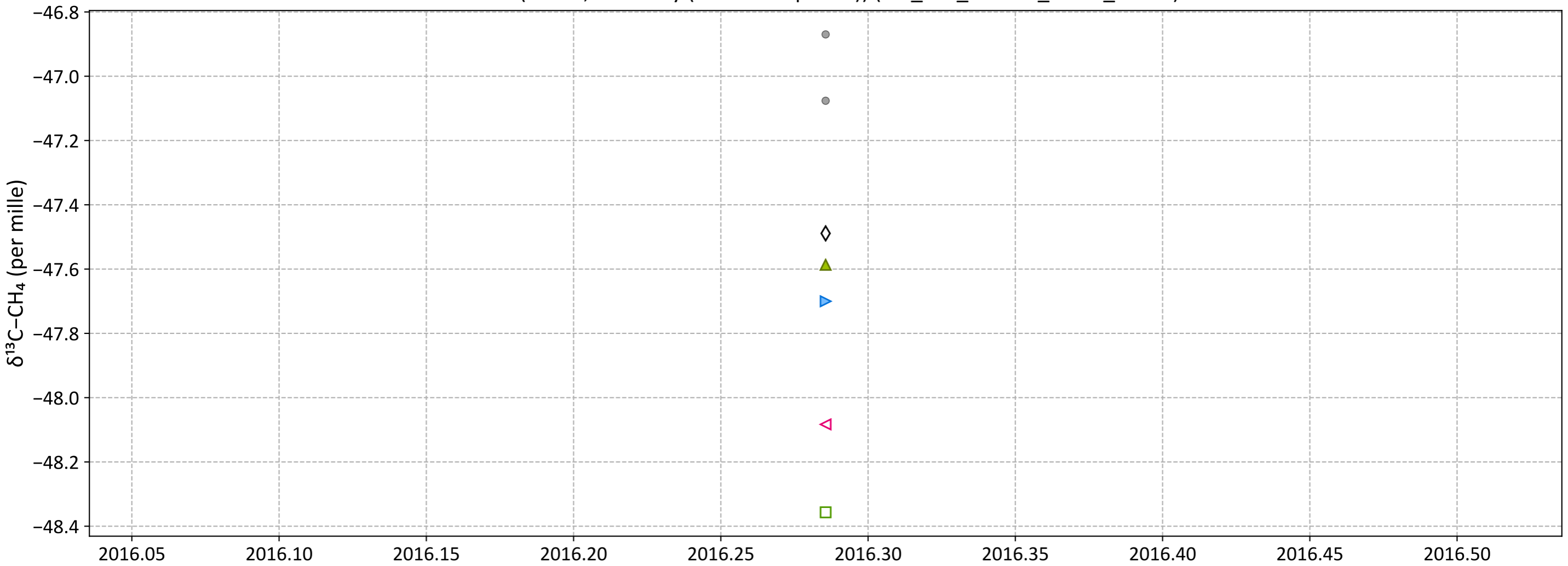
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Cold Bay, Alaska (NOAA, United States) level (CBA_ch4_surface_event_NOAA)



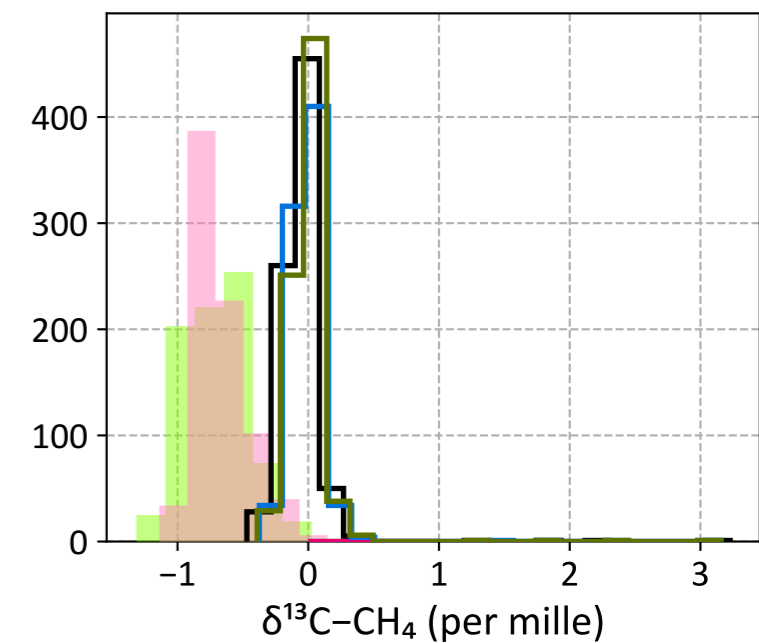
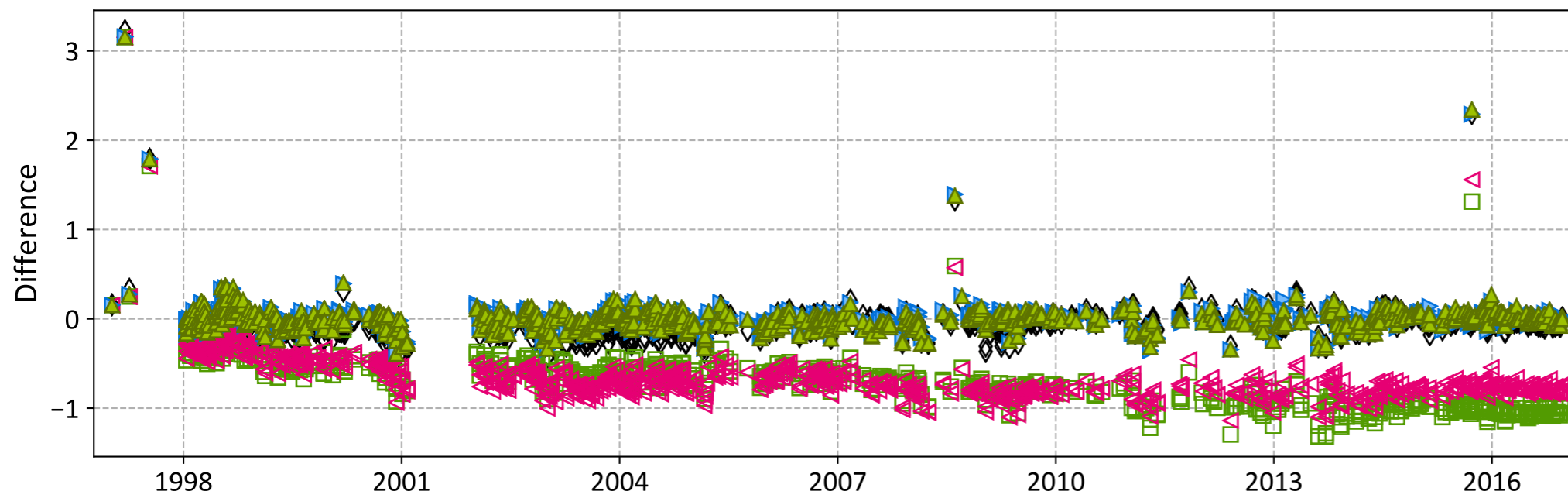
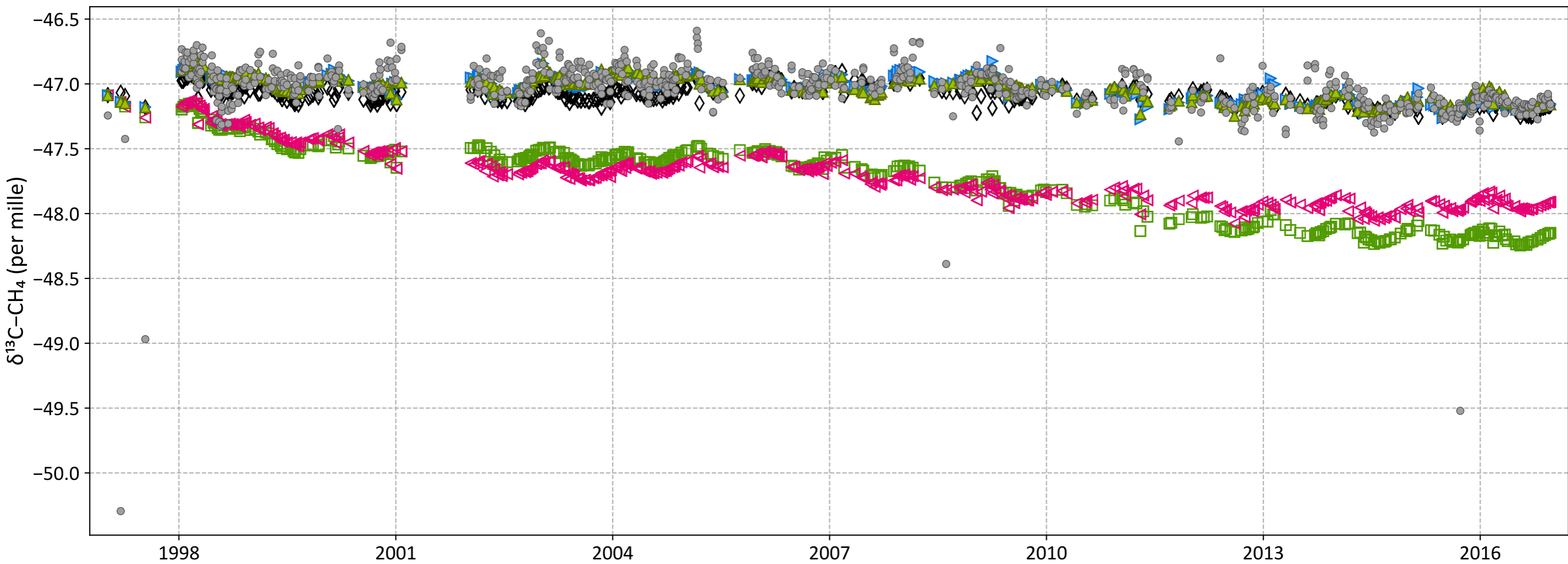
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Jena (NOAA, Germany (CarboEurope ICP)) (CEI_ch4_surface_event_NOAA)



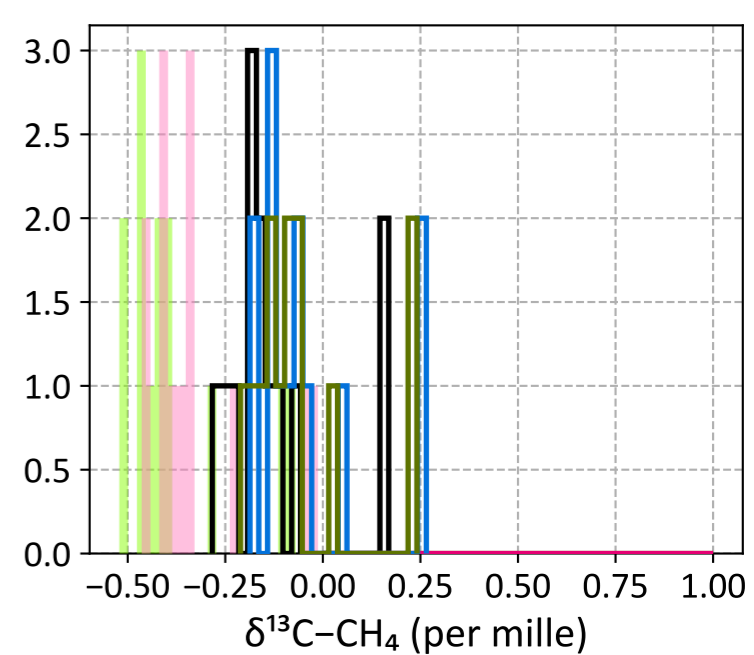
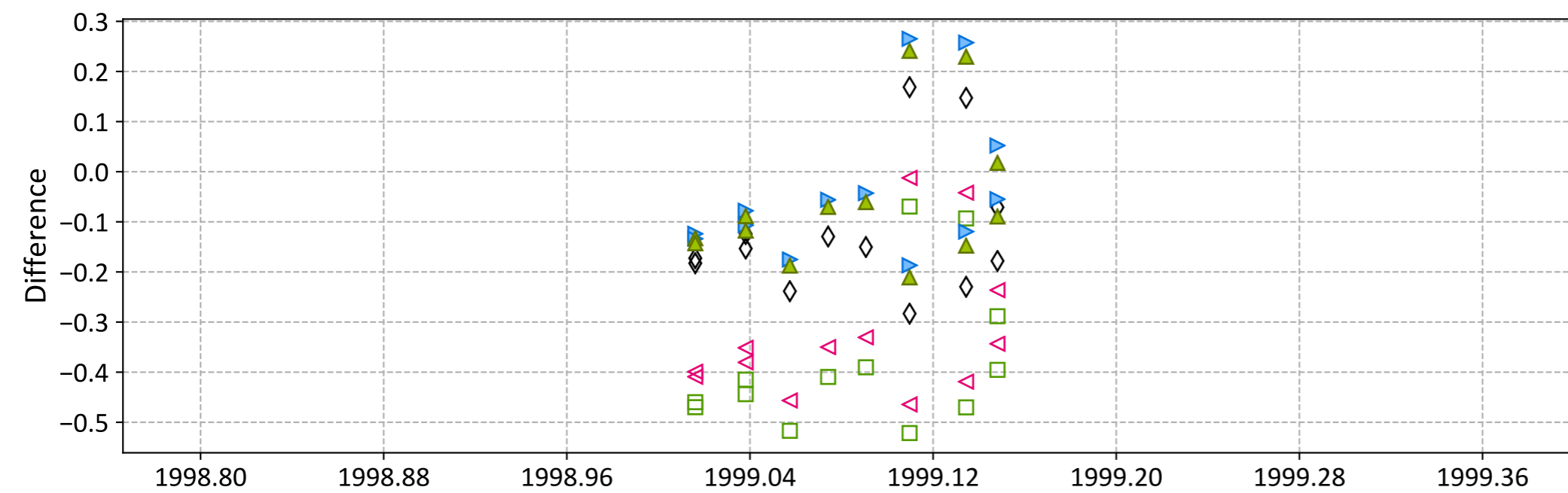
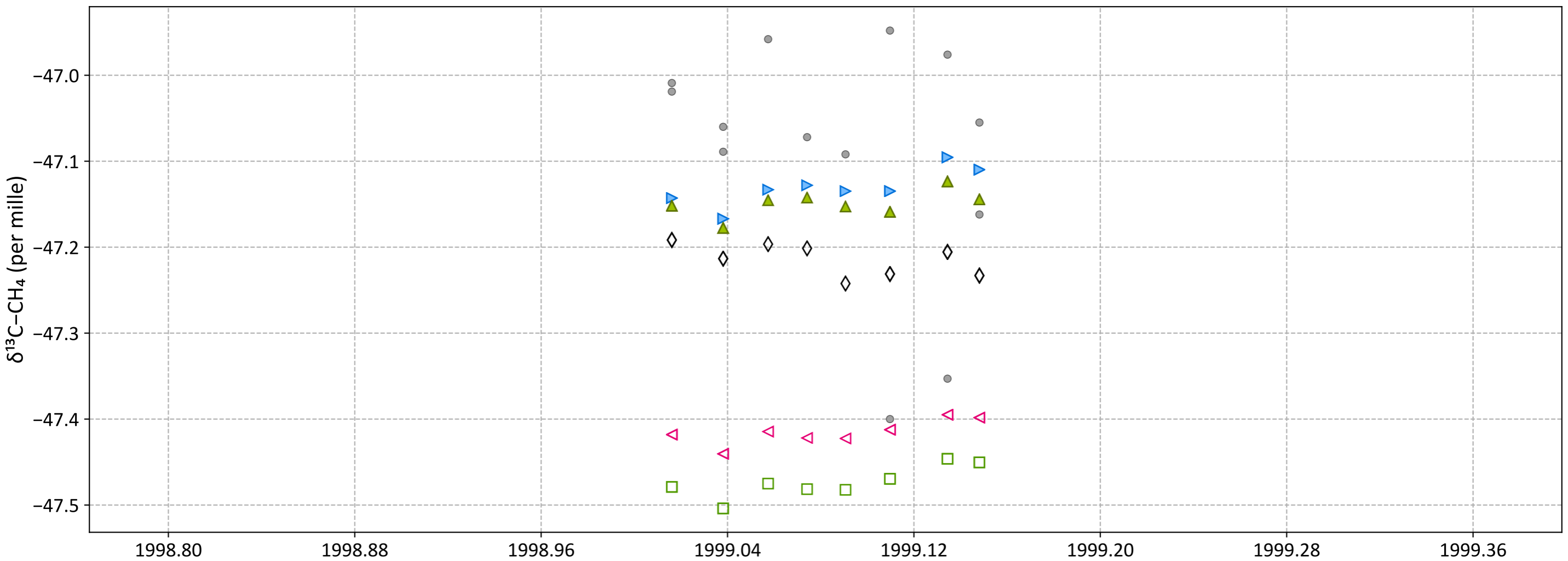
● Observed ◇ Prior ■ CH_4 only (safe) ◀ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Cape Grim, Tasmania (NOAA, Australia) level (CGO_ch4_surface_event_NOAA)



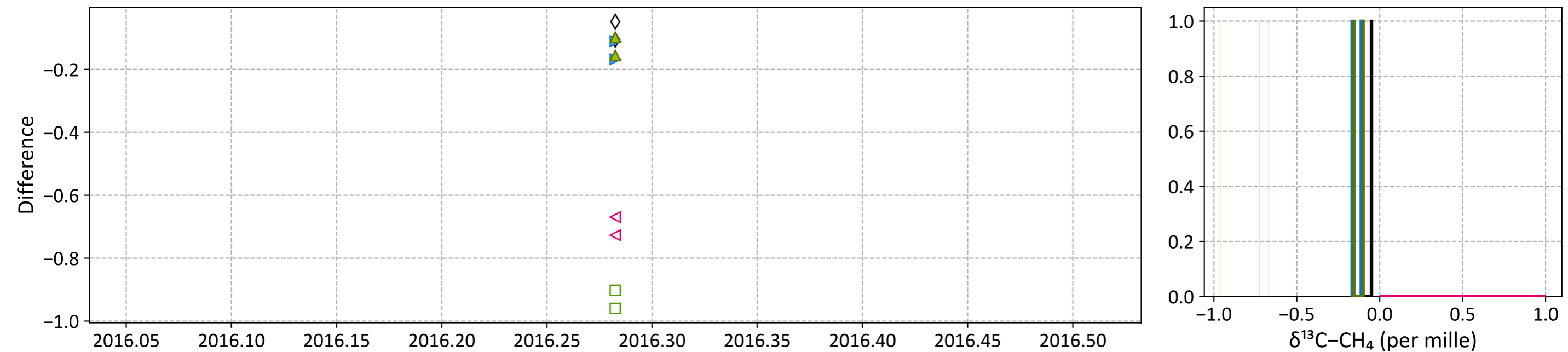
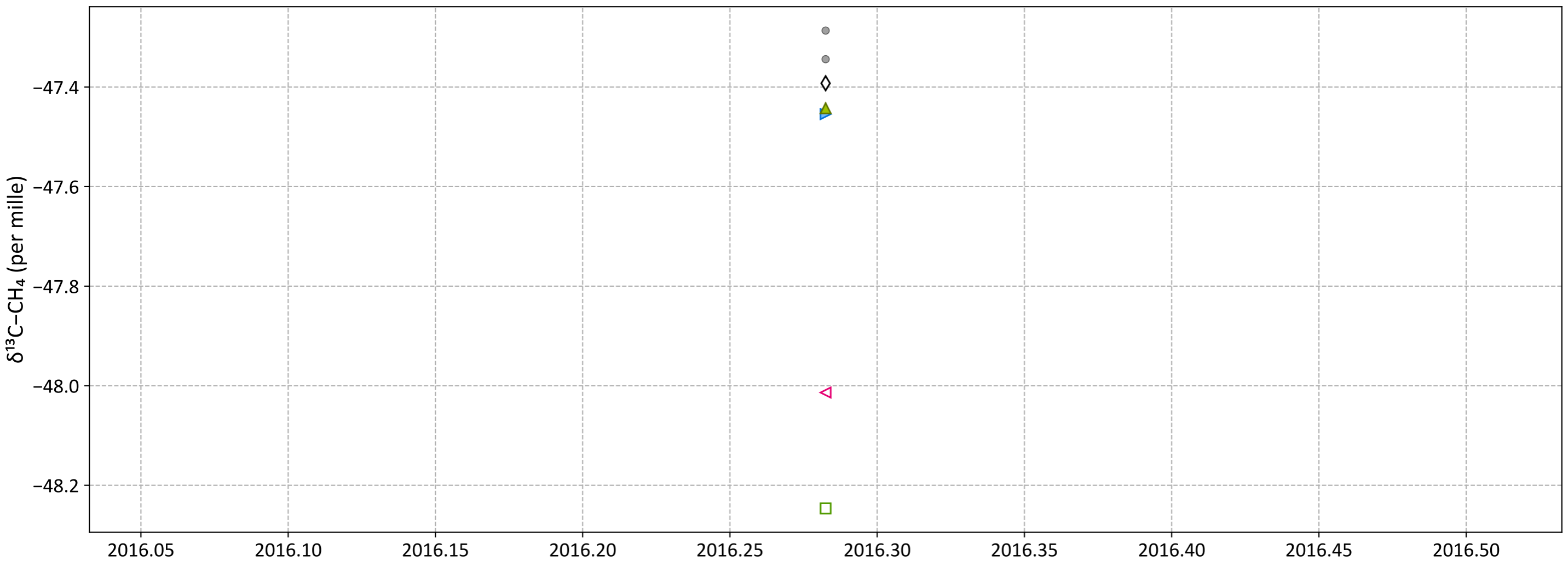
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Christmas Island (NOAA, Republic of Kiribati) level (CHR_ch4_surface_event_NOAA)



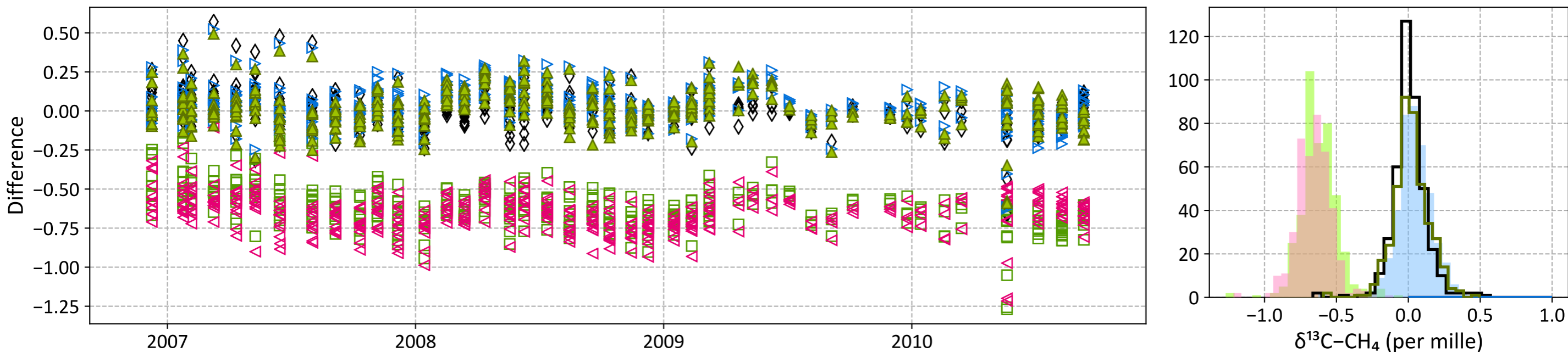
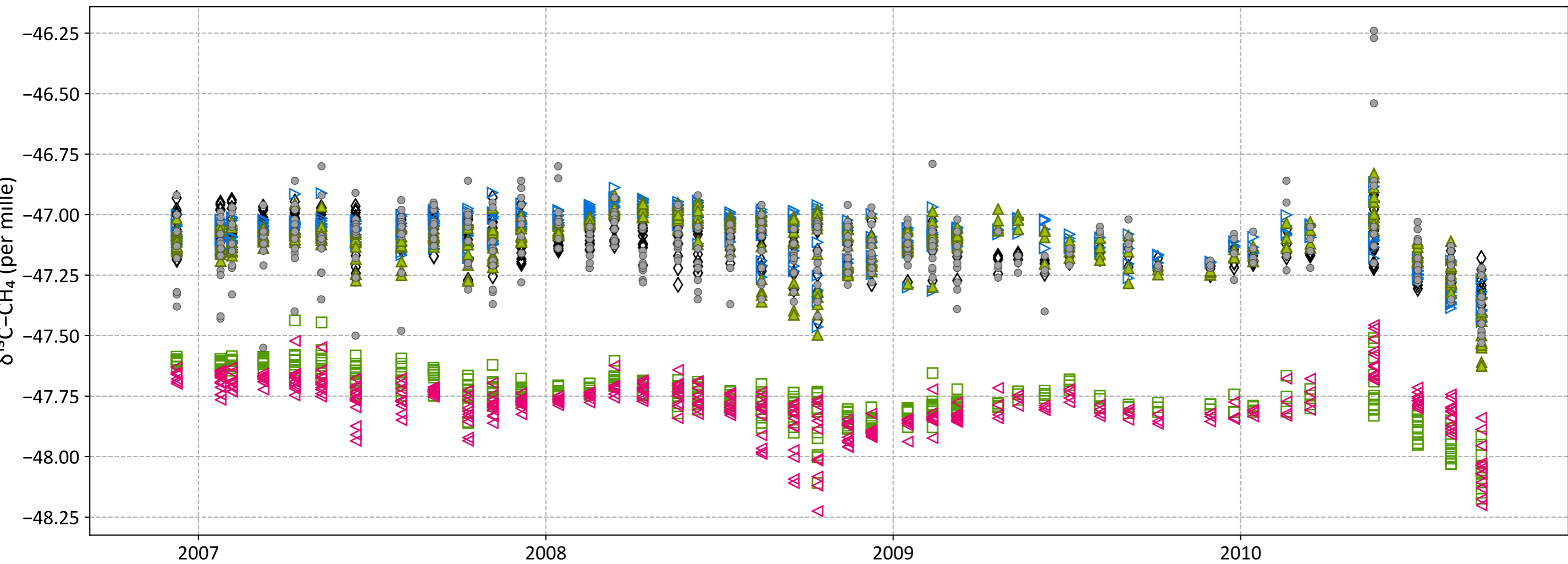
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Centro de Investigacion de la Baja Atmosfera (CIBA) (NOAA, Spain) level (CIB_ch4_surface_event_NOAA)



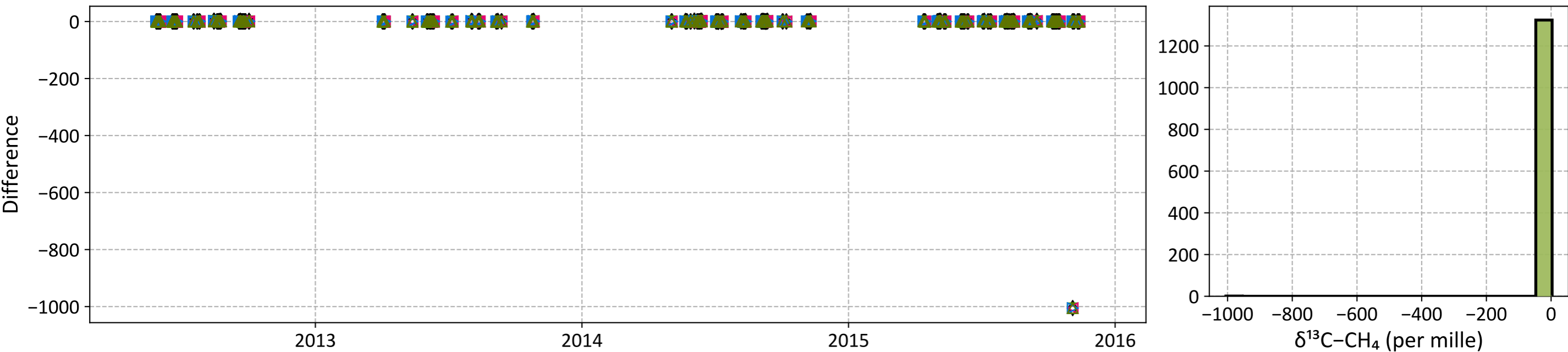
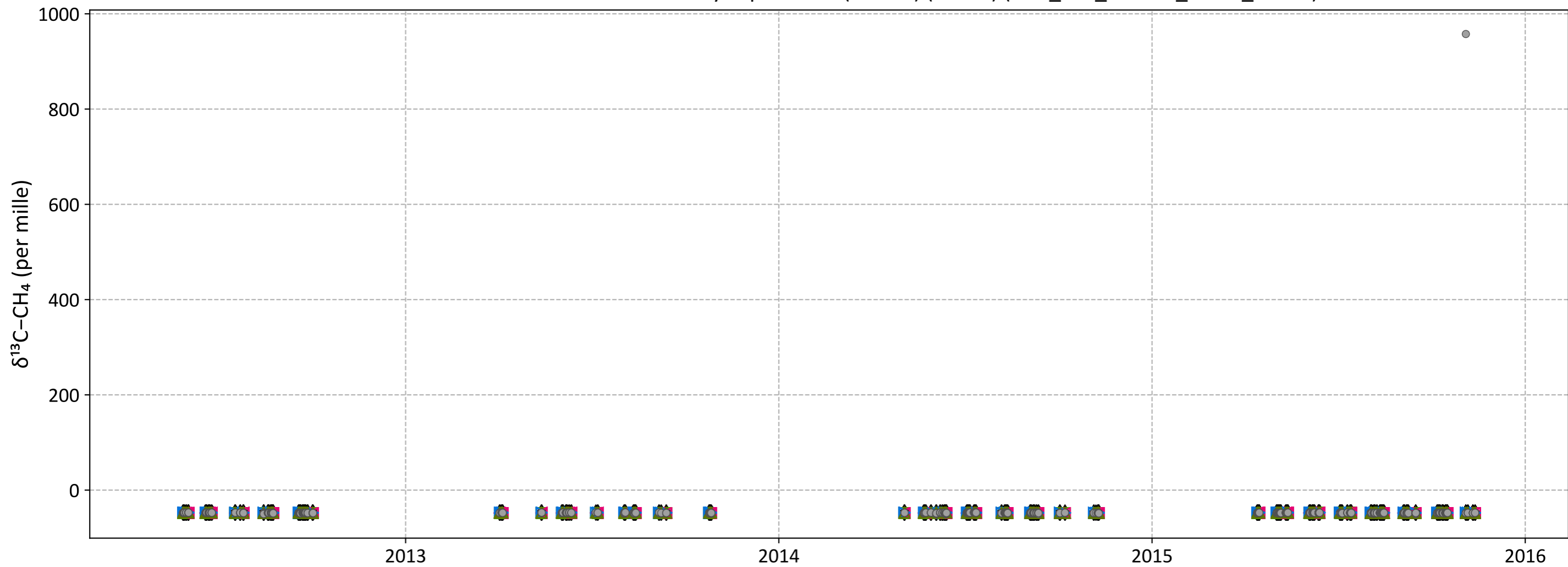
● Observed ◇ Prior ■ CH₄ only (safe) ◀ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{CH}_4$ (safe) ▲ CH₄+ $\delta^{13}\text{CH}_4$ (full)

CONTRAIL (Comprehensive Observation Network for TRace gases by AirLiner) (NIES) (CON_ch4_aircraft_event_NIES)



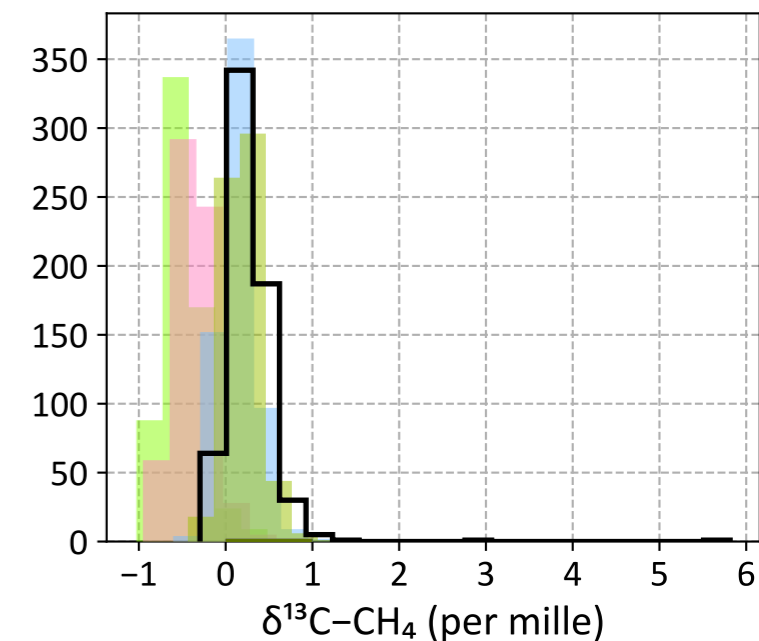
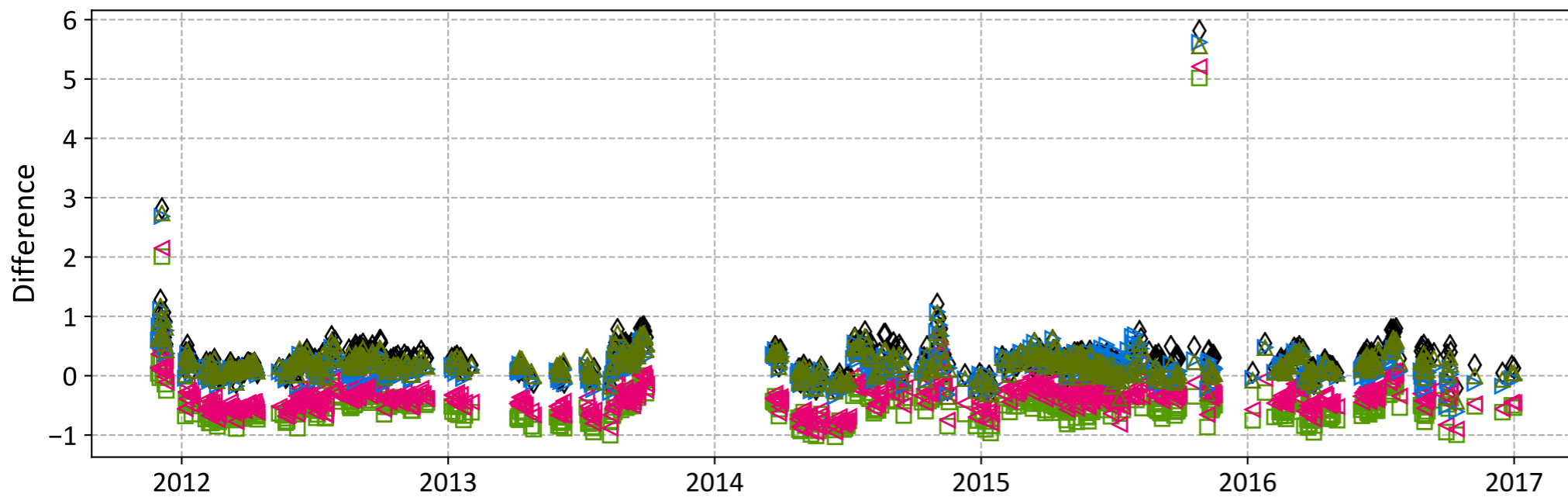
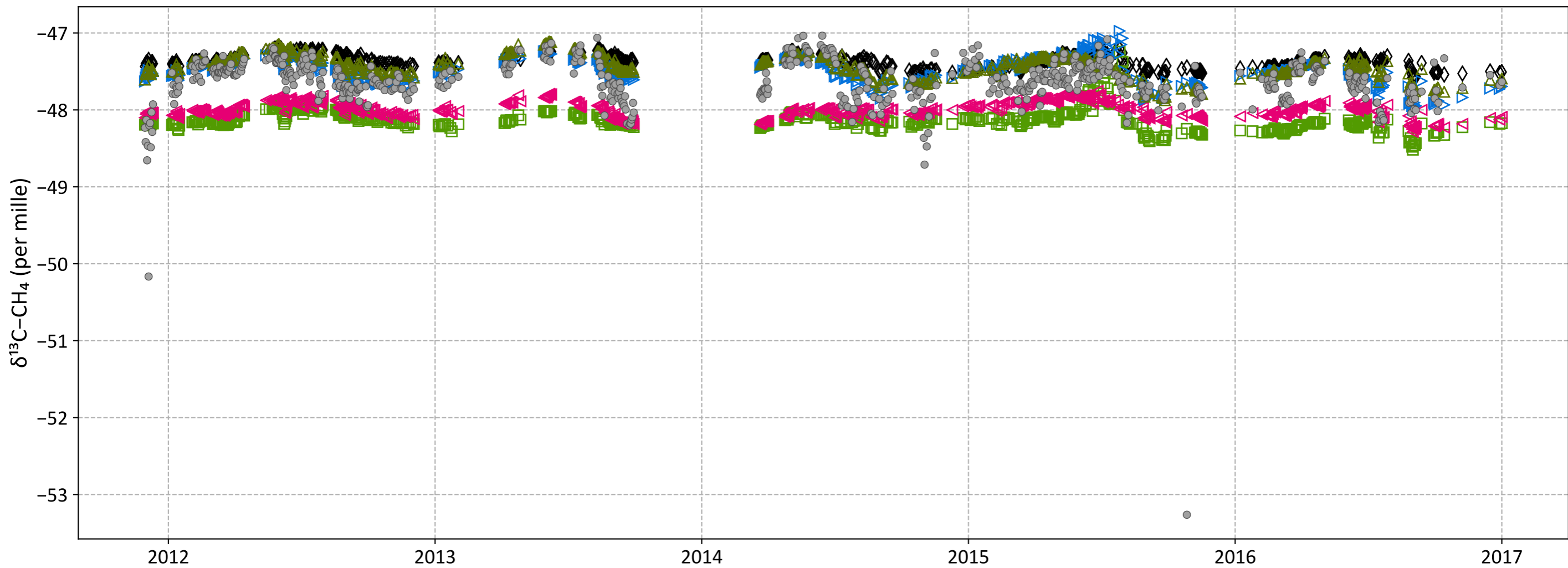
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE) (NOAA) (CRV_ch4_aircraft_event_NOAA)



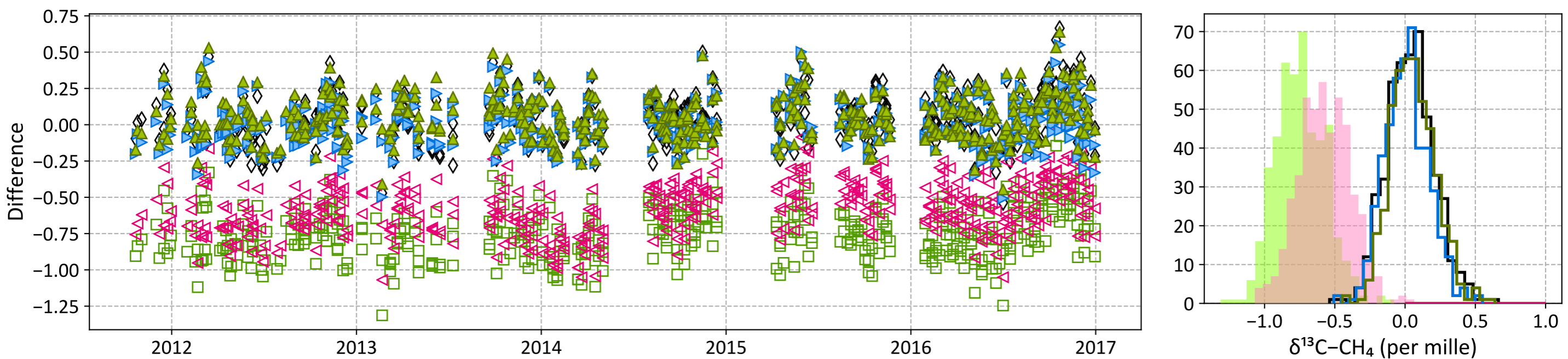
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Carbon in Arctic Reservoirs Vulnerability Experiment (CARVE) (NOAA, United States) (CRV_ch4_surface_event_NOAA)



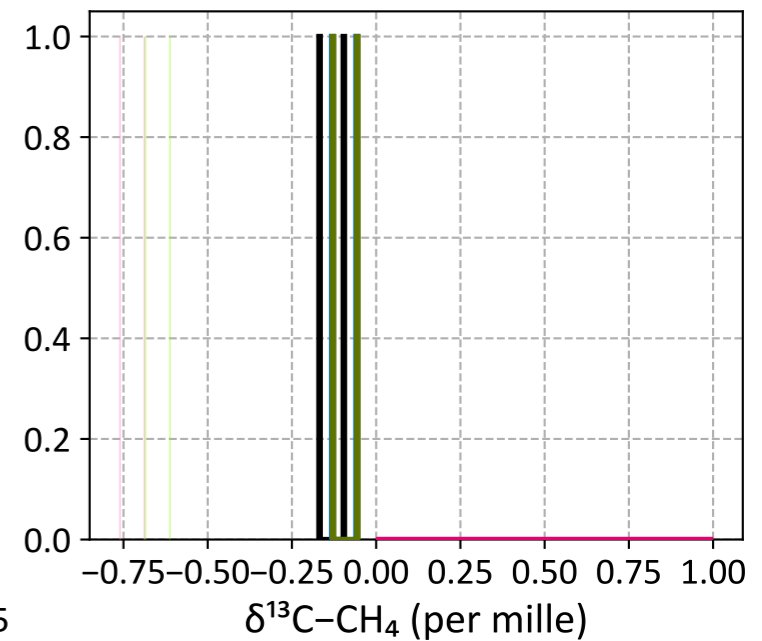
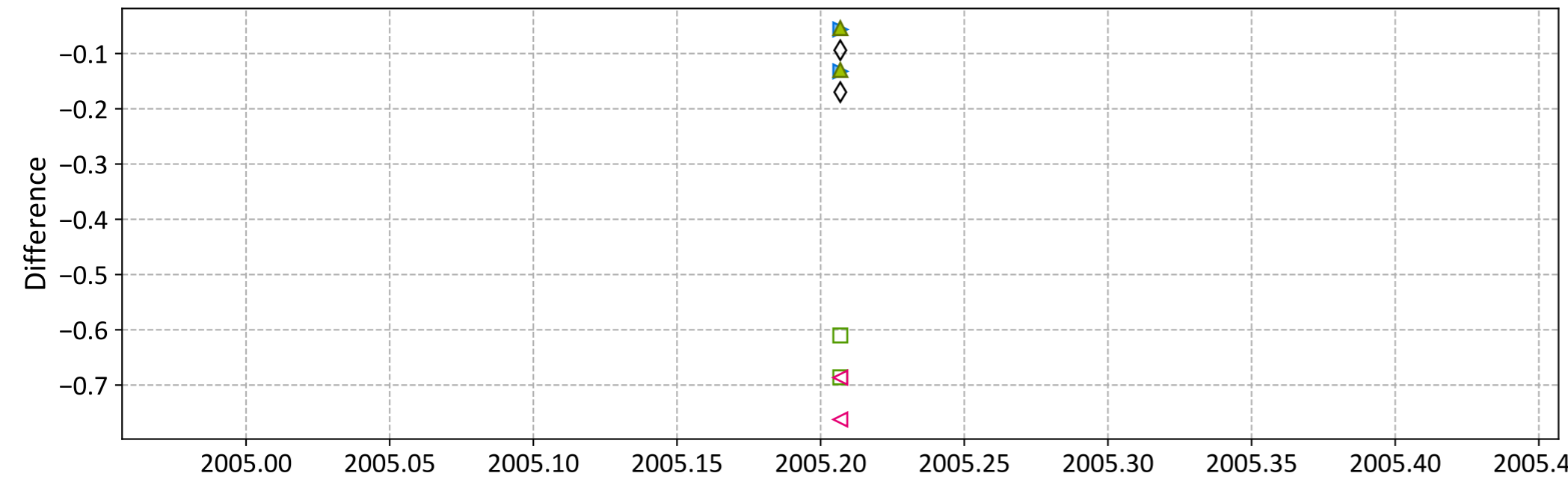
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Cape Verde Observatory (MPI-BGC, Cabo Verde) level (CVO_ch4_surface_event_MPI-BGC)



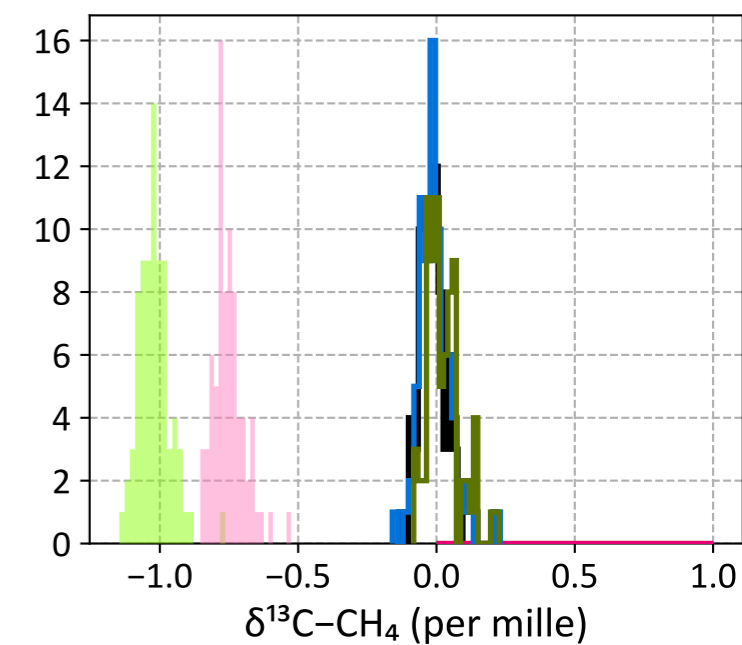
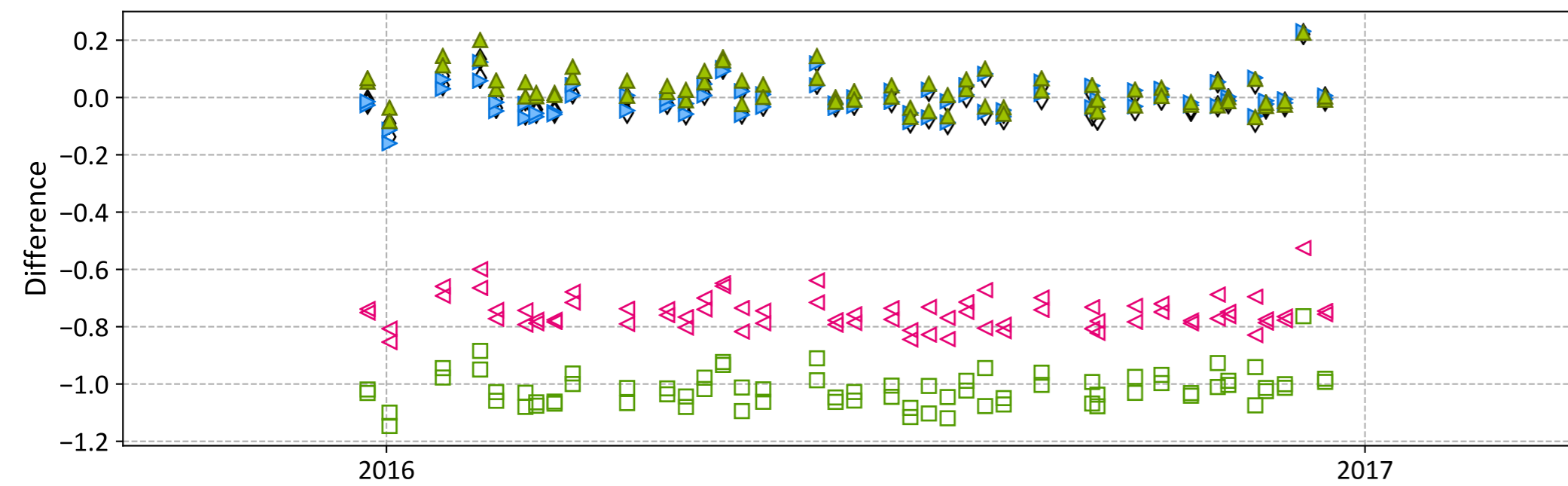
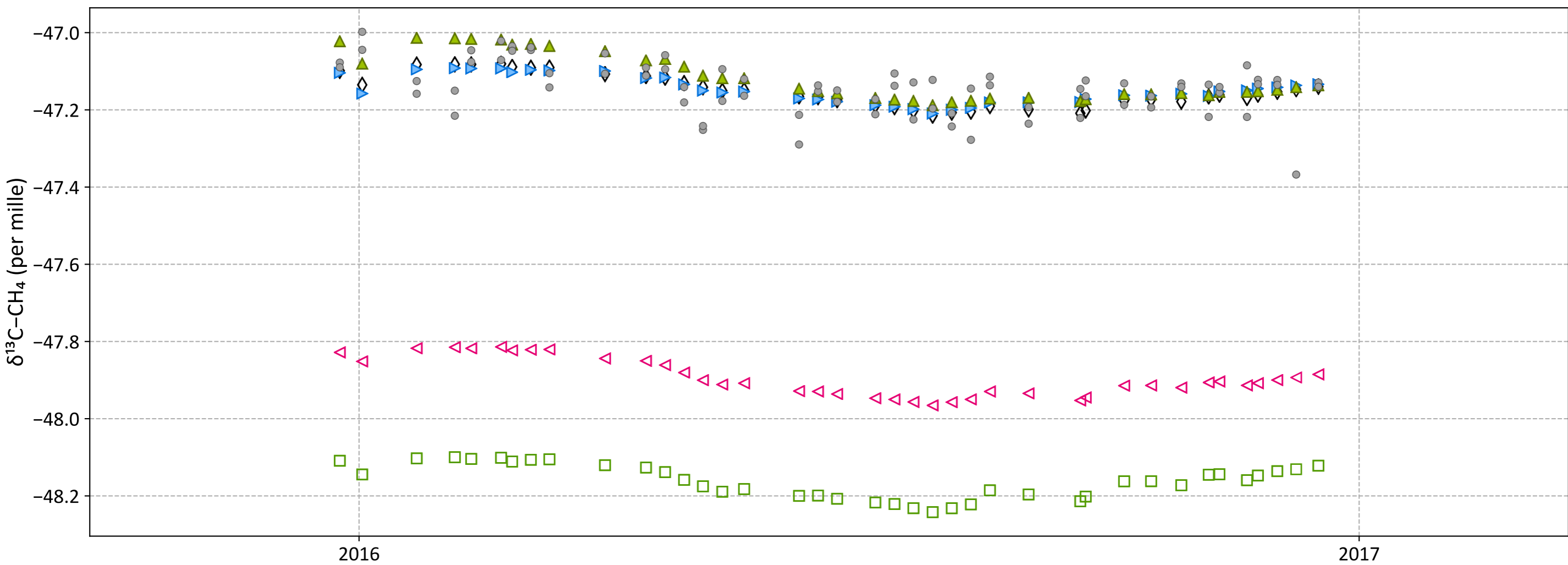
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Drake Passage (NOAA, N/A)(DRP_ch4_surface_event_NOAA)



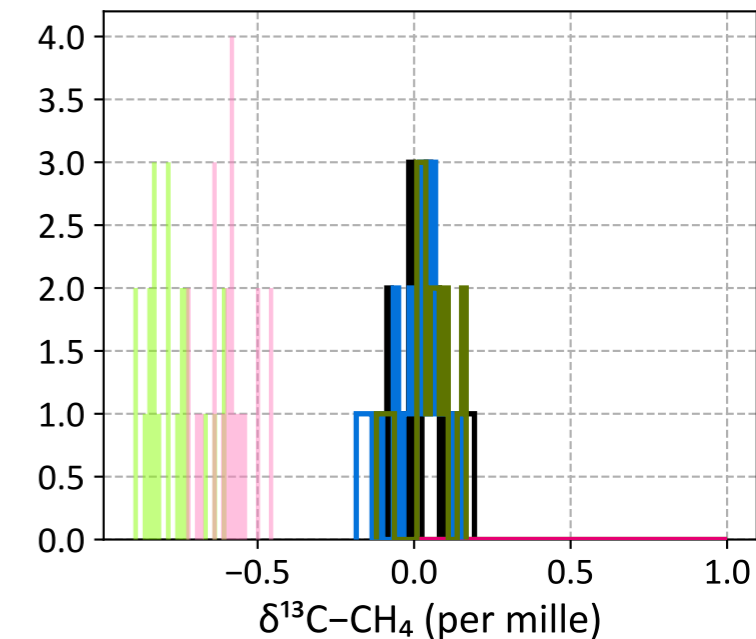
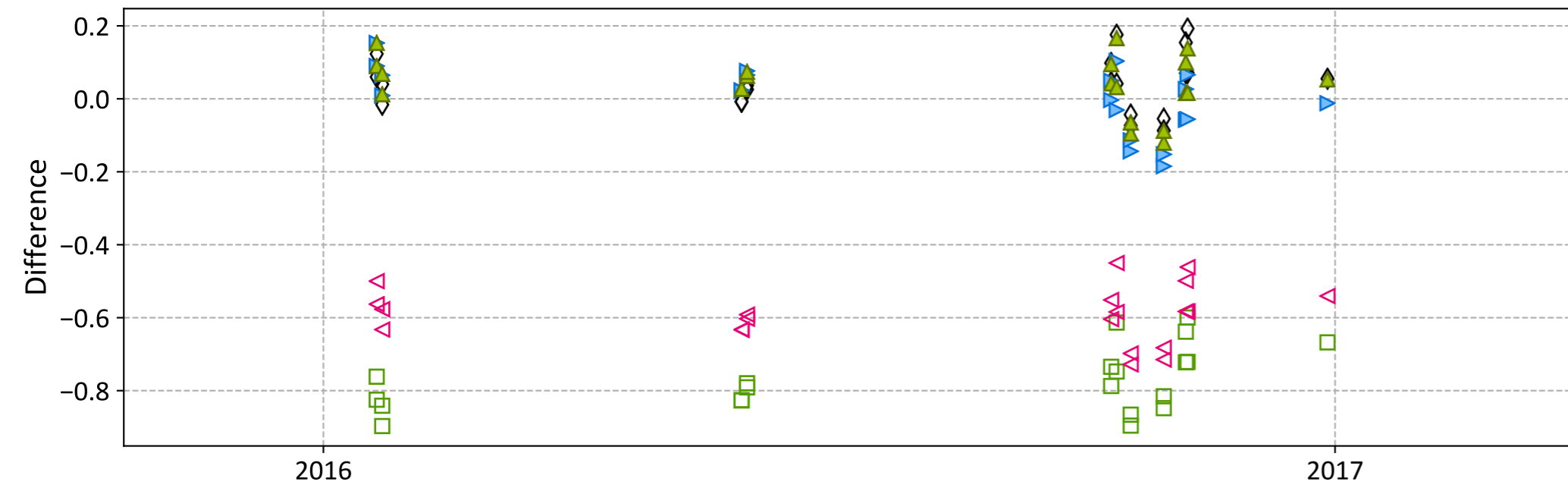
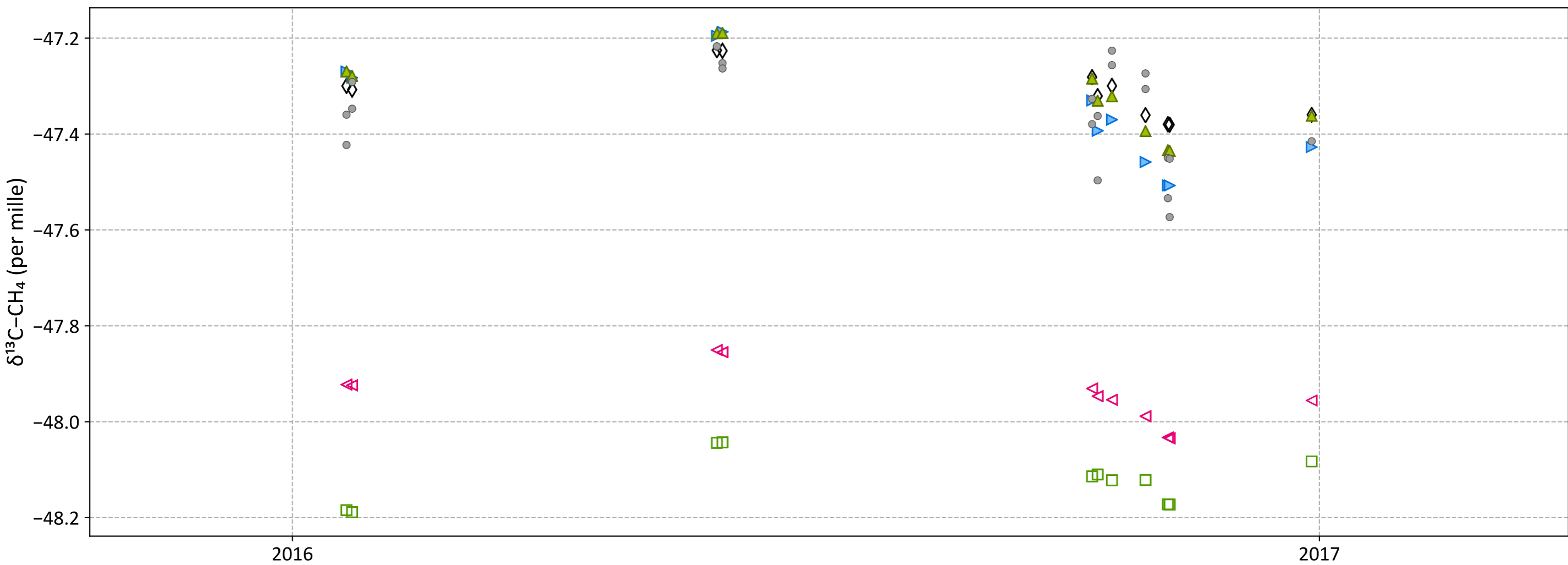
• Observed ◊ Prior ◻ CH₄ only (safe) ◁ CH₄ only (full) ▷ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Easter Island (NOAA, Chile) level (EIC_ch4_surface_event_NOAA)



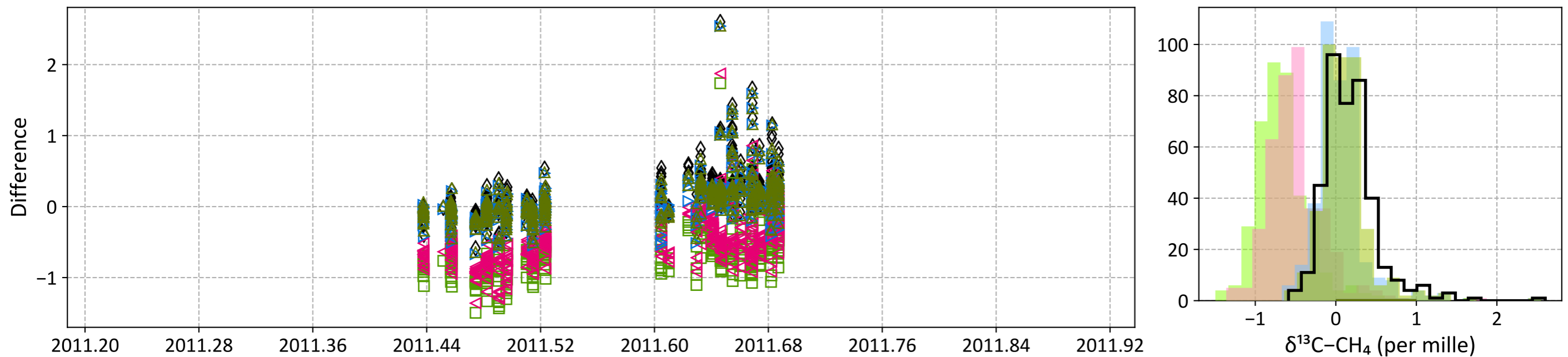
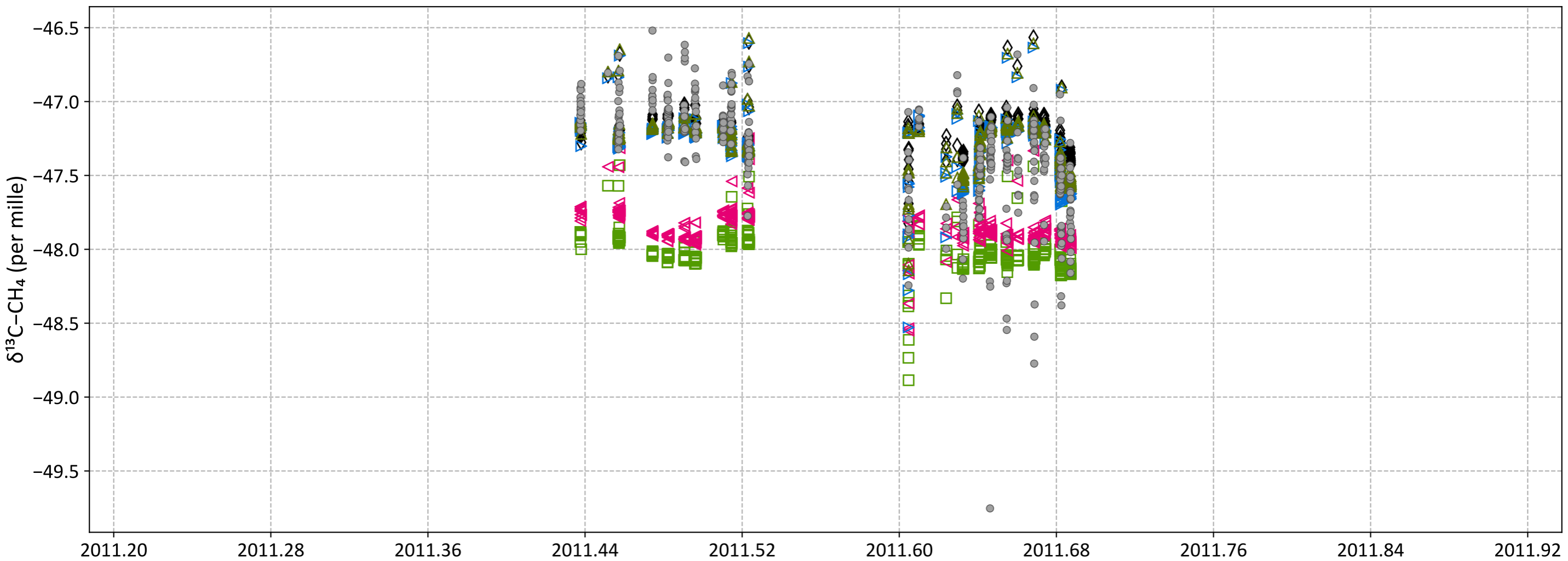
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Mariana Islands (NOAA, Guam) level (GMI_ch4_surface_event_NOAA)



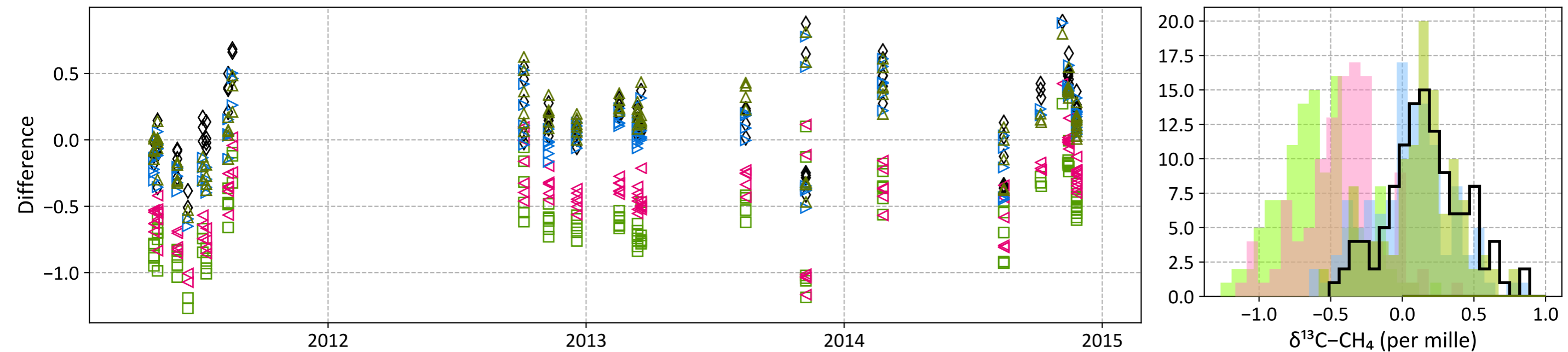
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

HIPPO (HIAPER Pole-to-Pole Observations) (NOAA) (HIP_ch4_aircraft_event_NOAA)



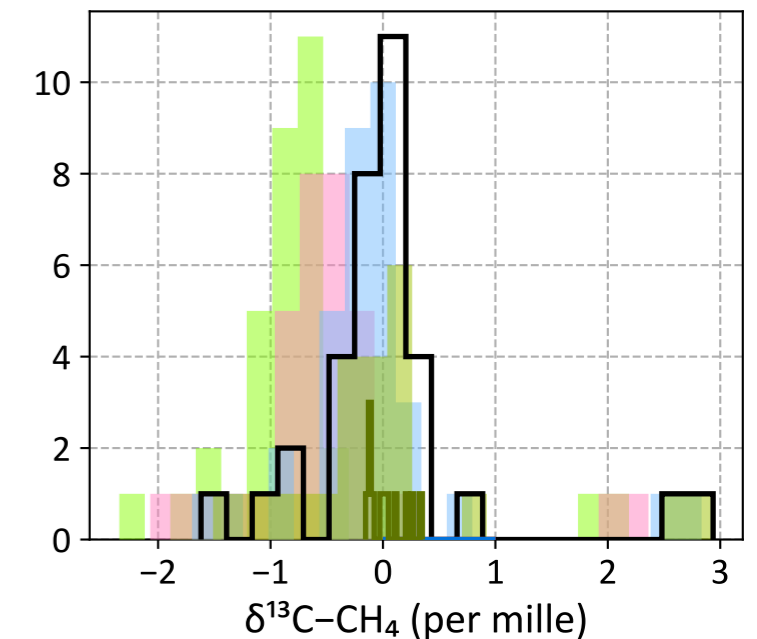
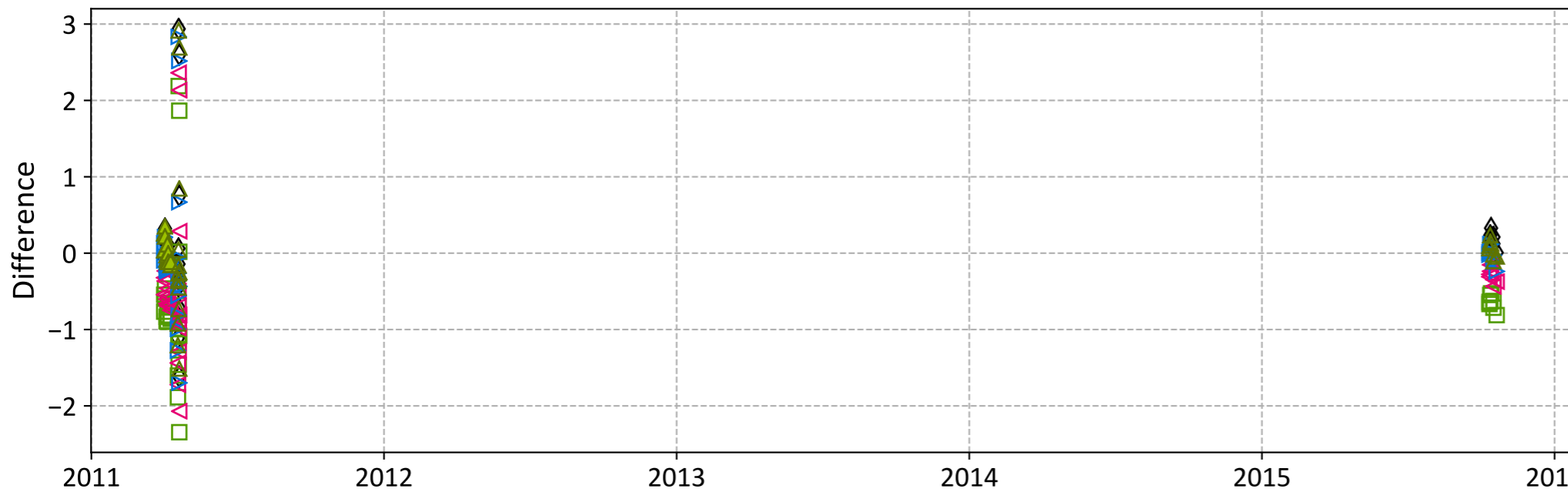
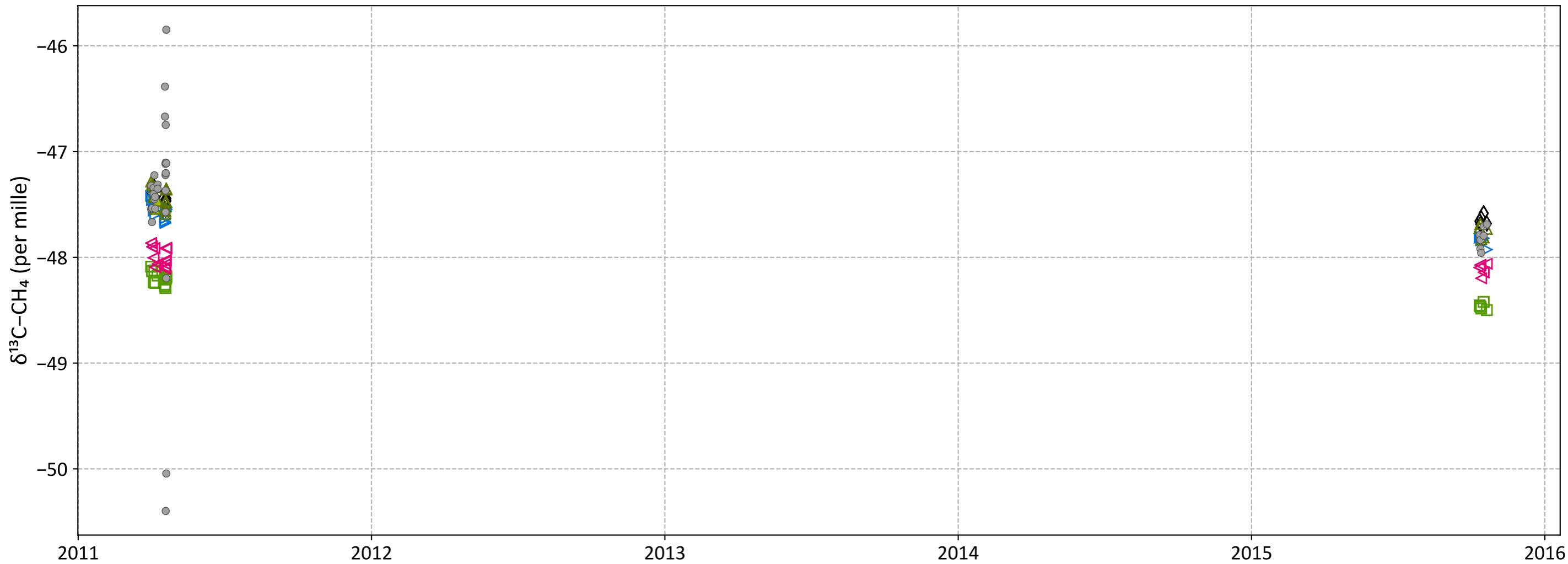
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

INFLUX (Indianapolis Flux Experiment) (NOAA) (INX_ch4_aircraft_event_NOAA)



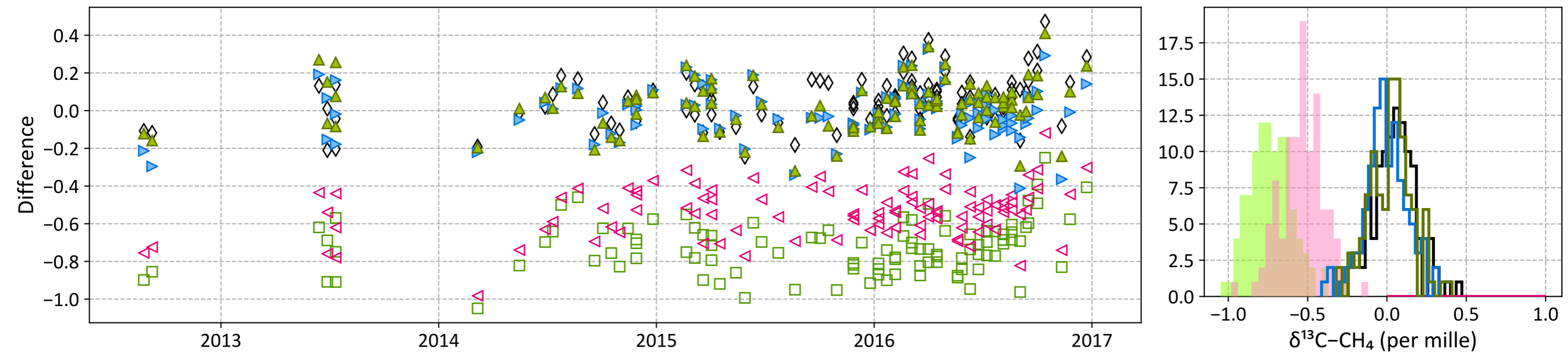
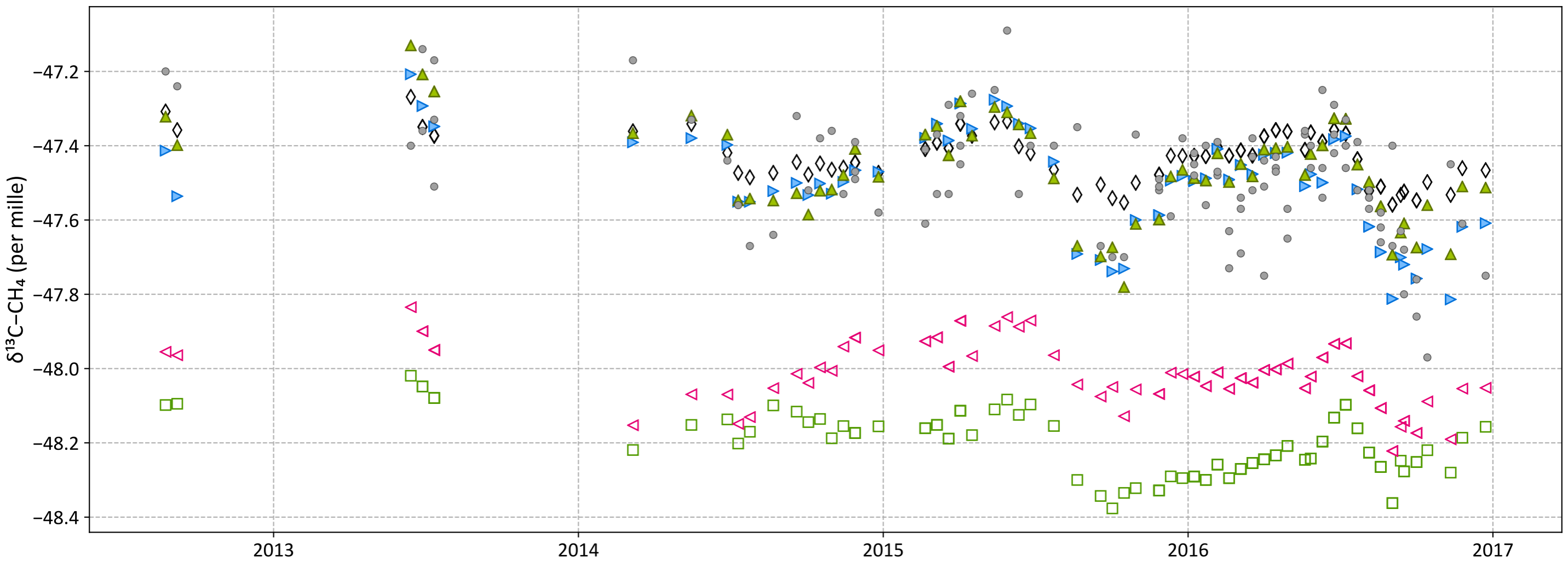
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

INFLUX (Indianapolis Flux Experiment) (NOAA) (INX_ch4_surface_event_NOAA)



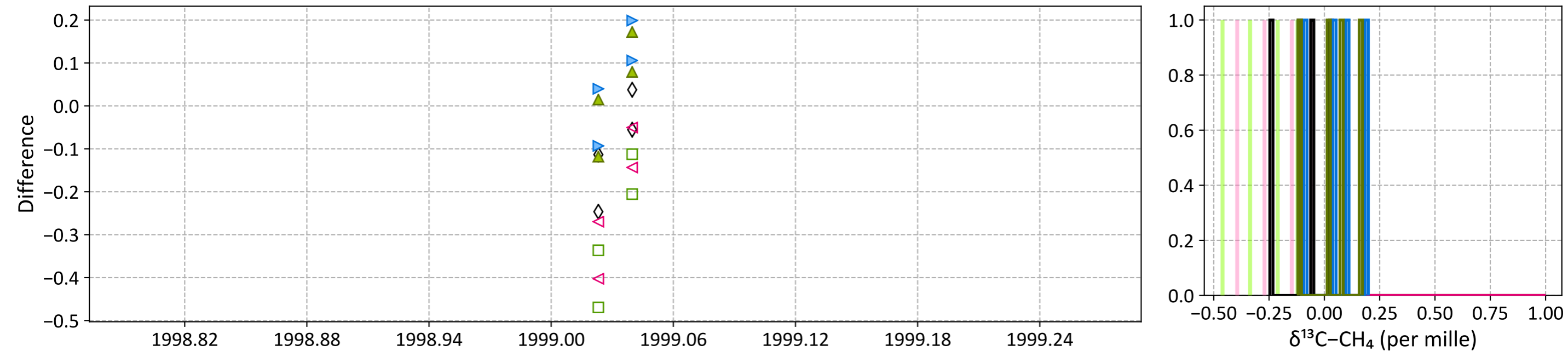
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Jungfraujoch (MPI-BGC, Switzerland) level (JFJ_ch4_surface_event_MPI-BGC)



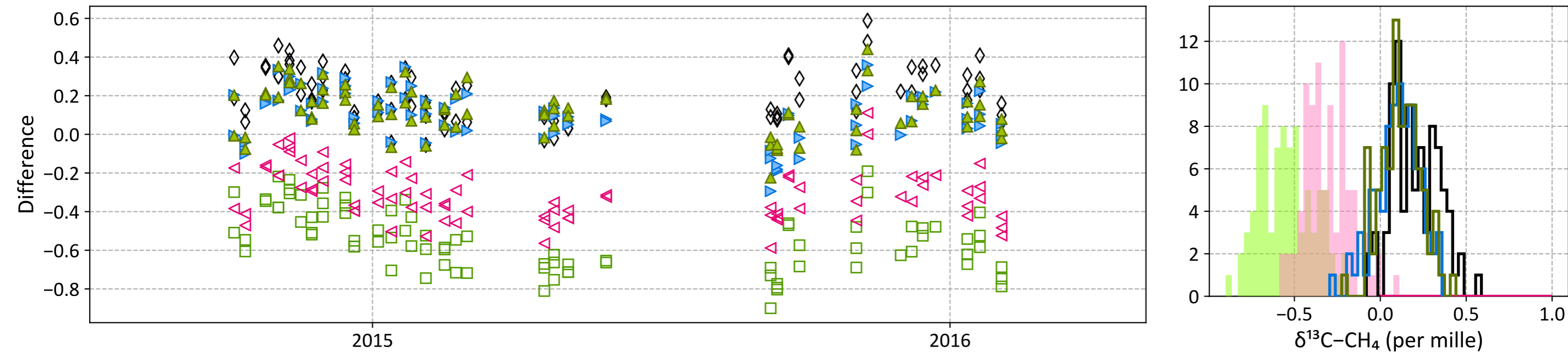
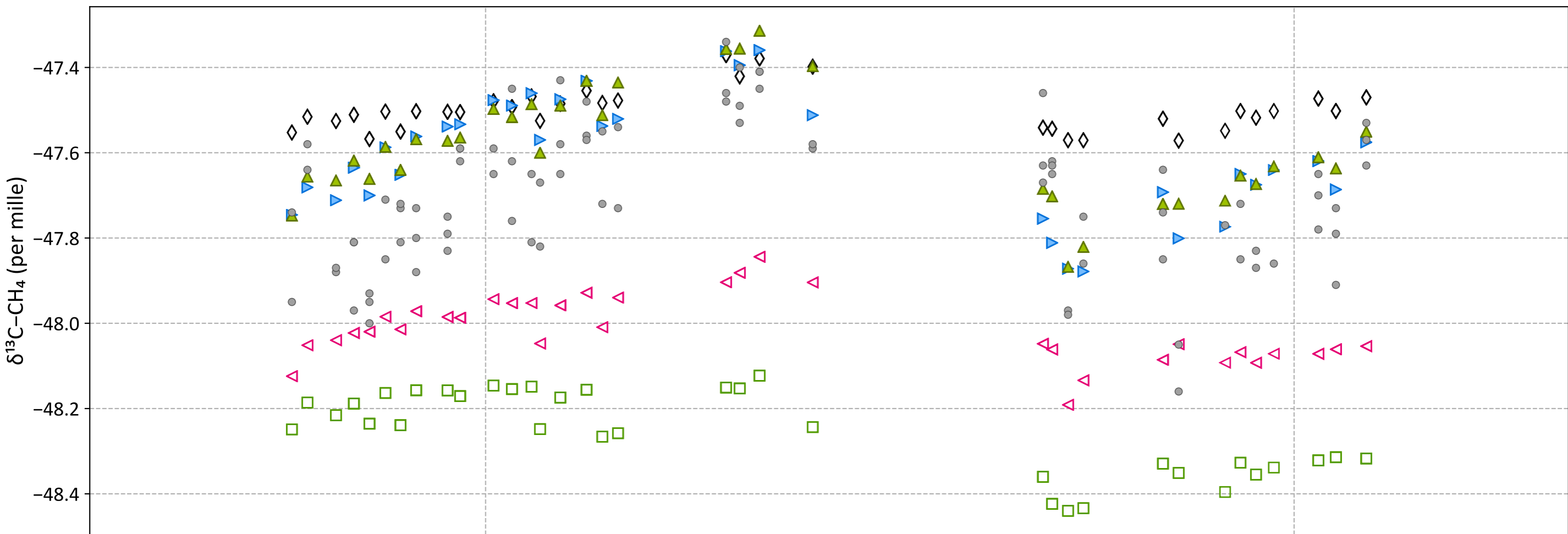
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Kaashidhoo (NOAA, Republic of Maldives) (KCO_ch4_surface_event_NOAA)



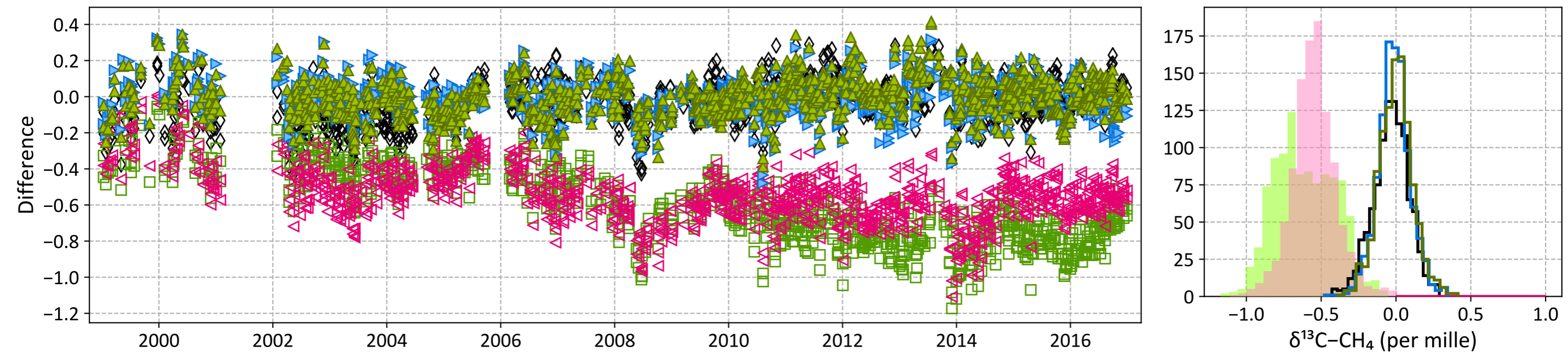
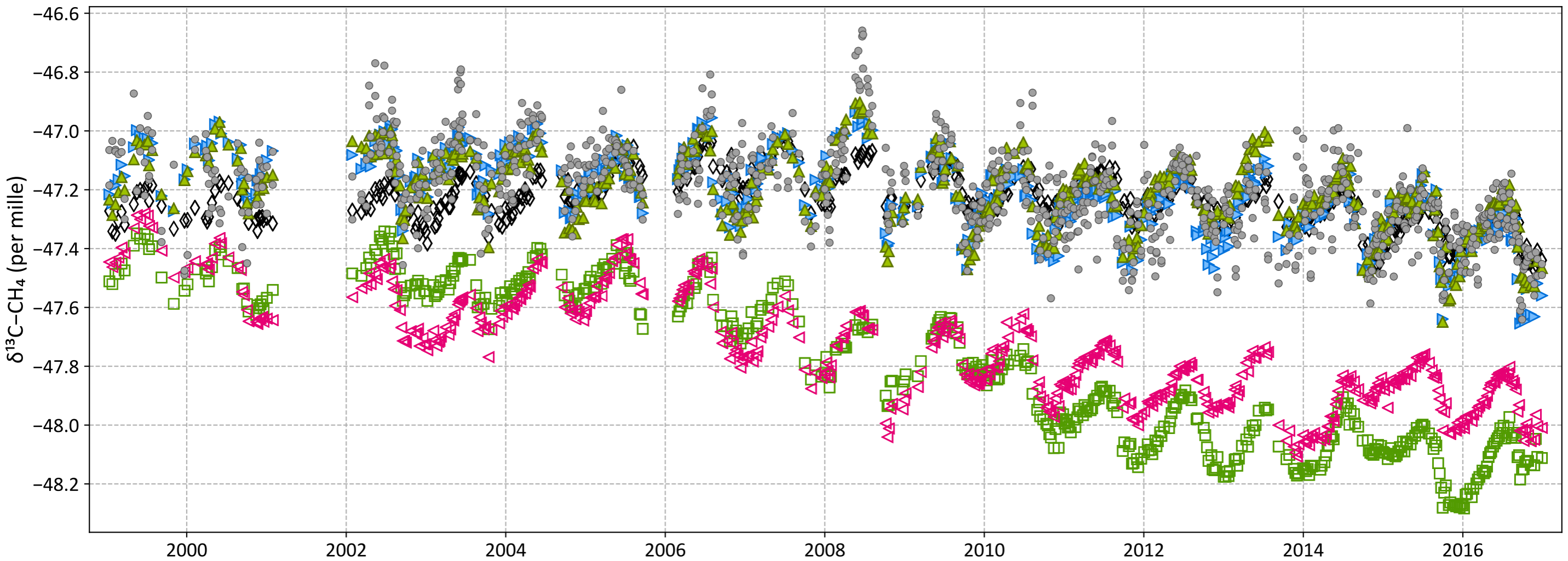
● Observed ◇ Prior ■ CH_4 only (safe) ◀ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{C}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{C}_4$ (full)

Kjølnes (MPI-BGC, Norway) (KJO_ch4_surface_event_MPI-BGC)



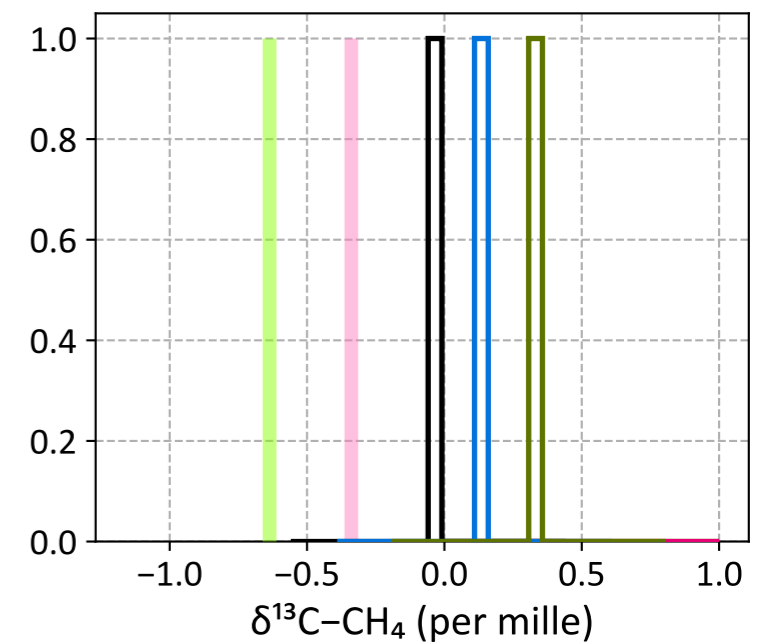
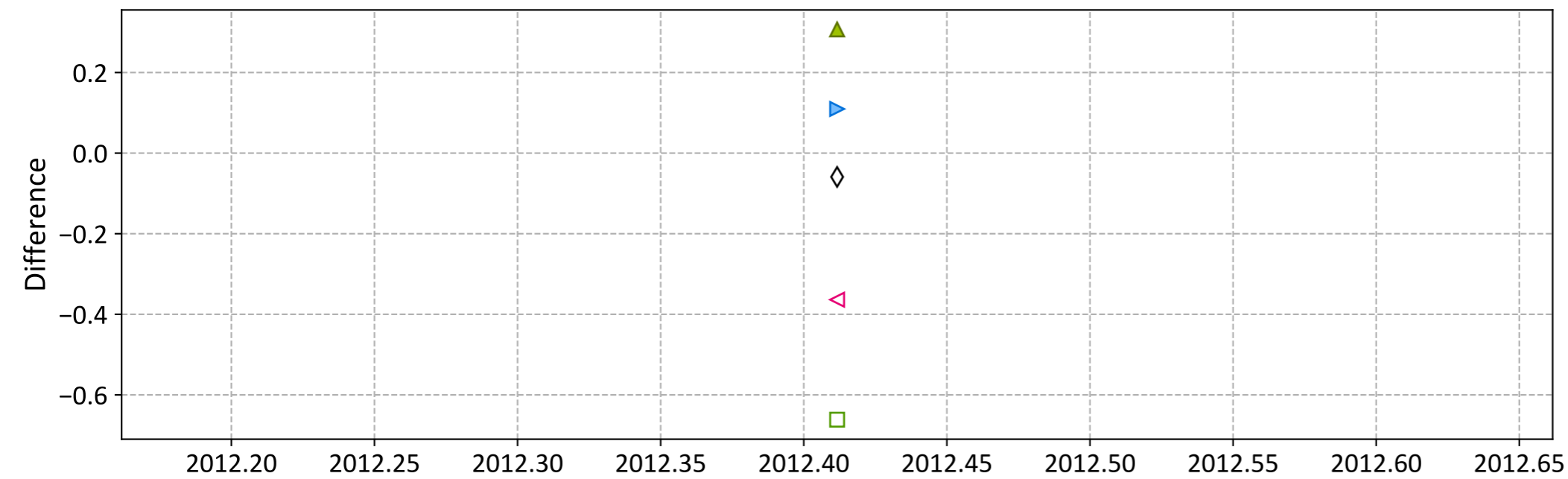
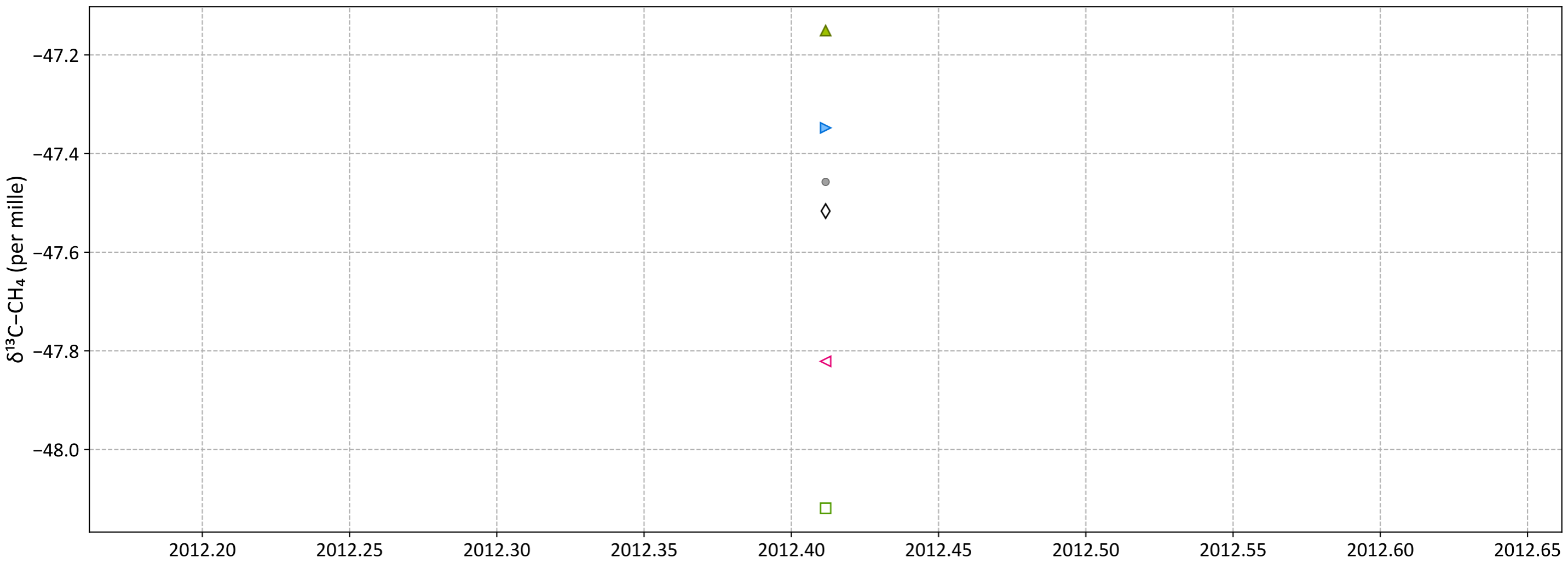
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{CH}_4$ (safe) ▲ CH₄+ $\delta^{13}\text{CH}_4$ (full)

Cape Kumukahi, Hawaii (NOAA, United States) level (KUM_ch4_surface_event_NOAA)



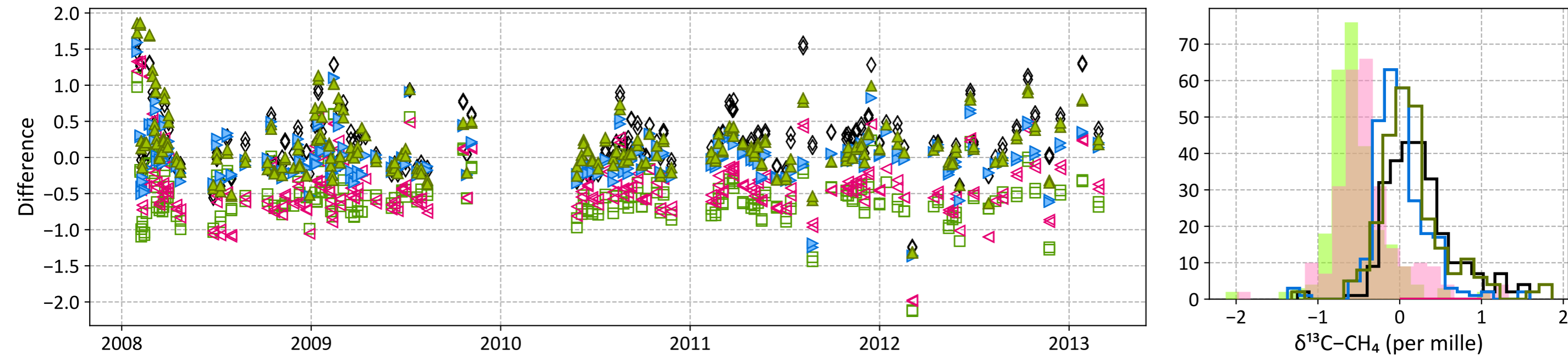
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Park Falls, Wisconsin (NOAA, United States) level (LEF_ch4_surface_event_NOAA)



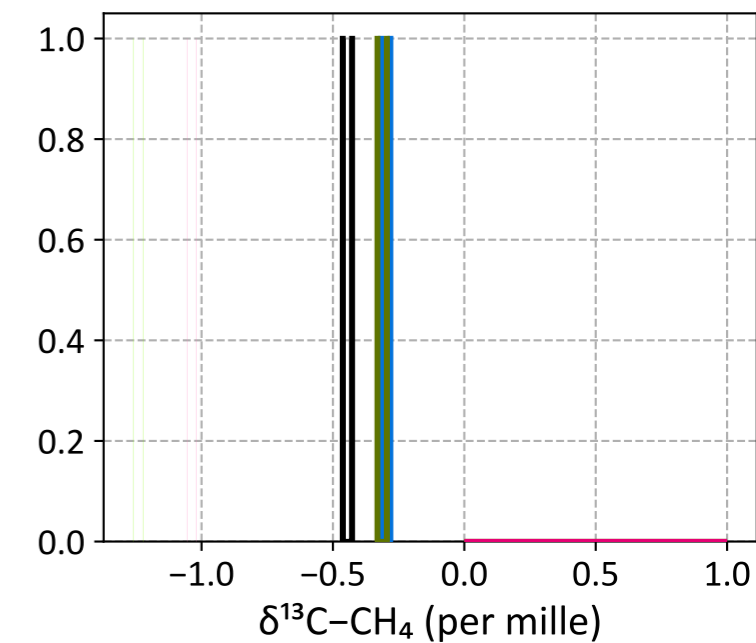
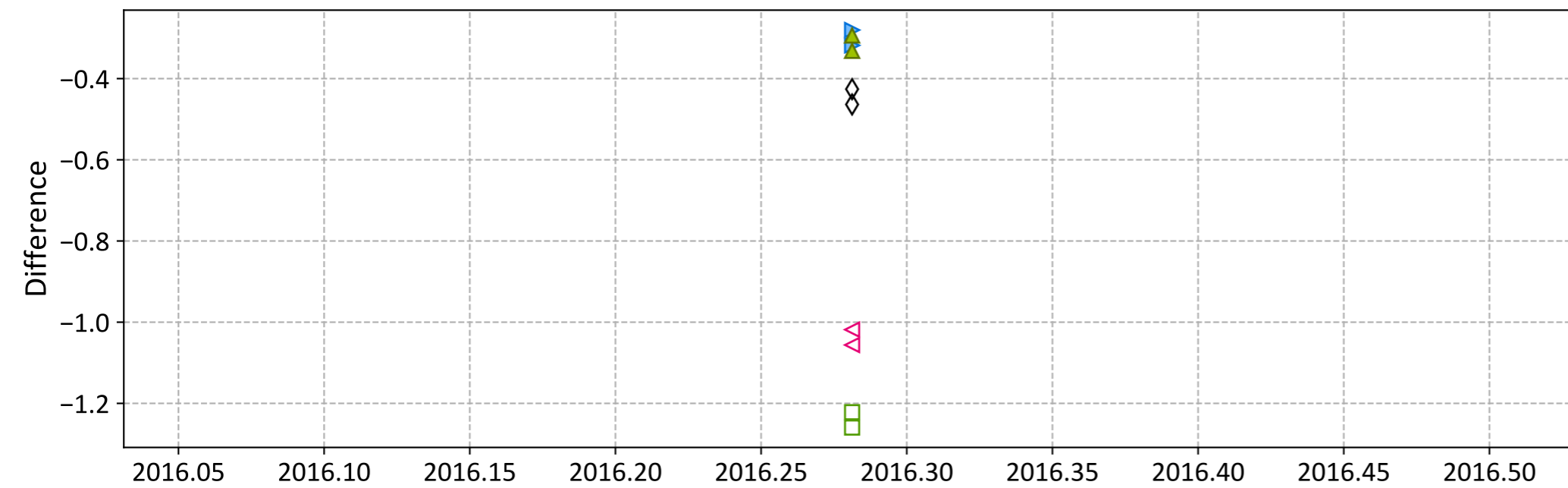
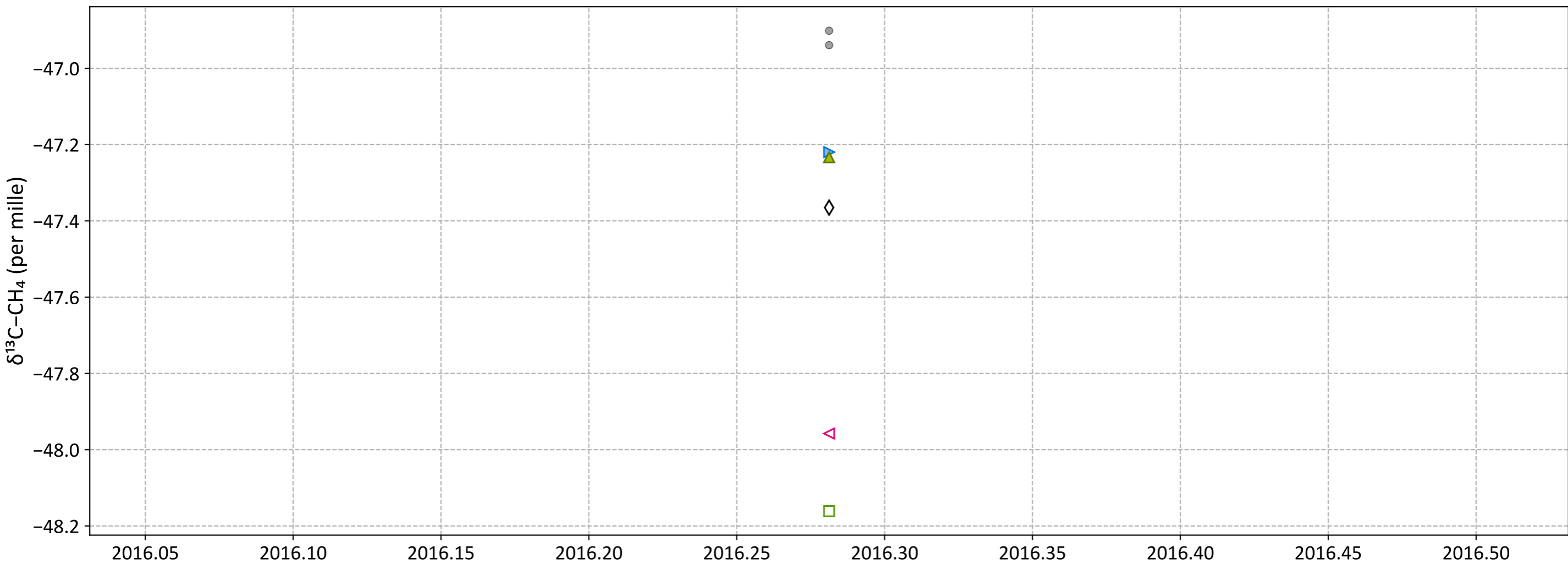
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{CH}_4$ (safe)
 CH₄+ $\delta^{13}\text{CH}_4$ (full)

Lac La Biche, Alberta (NOAA, Canada) level (LLB_ch4_surface_event_NOAA)



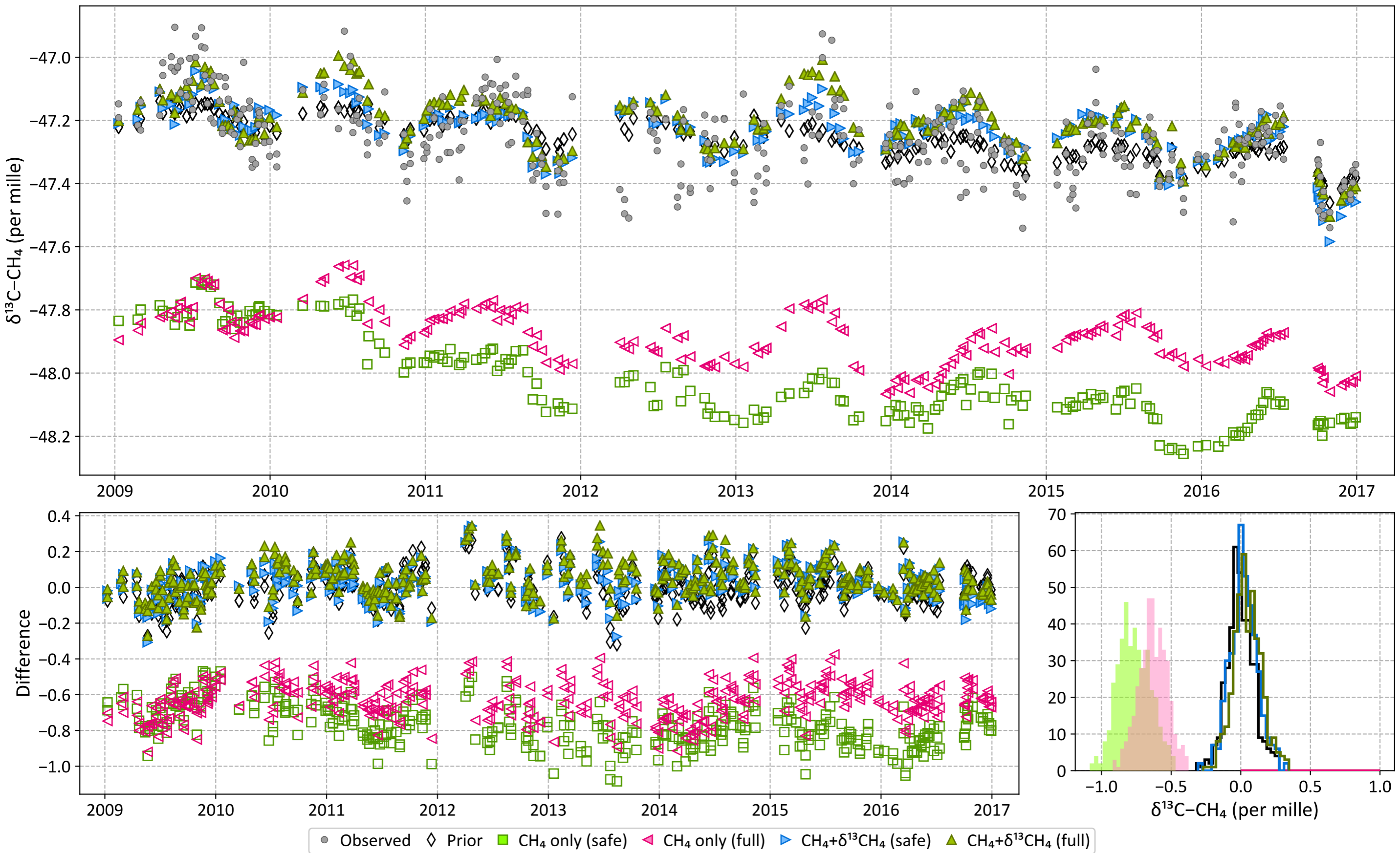
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Lulin (NOAA, Taiwan) (LLN_ch4_surface_event_NOAA)

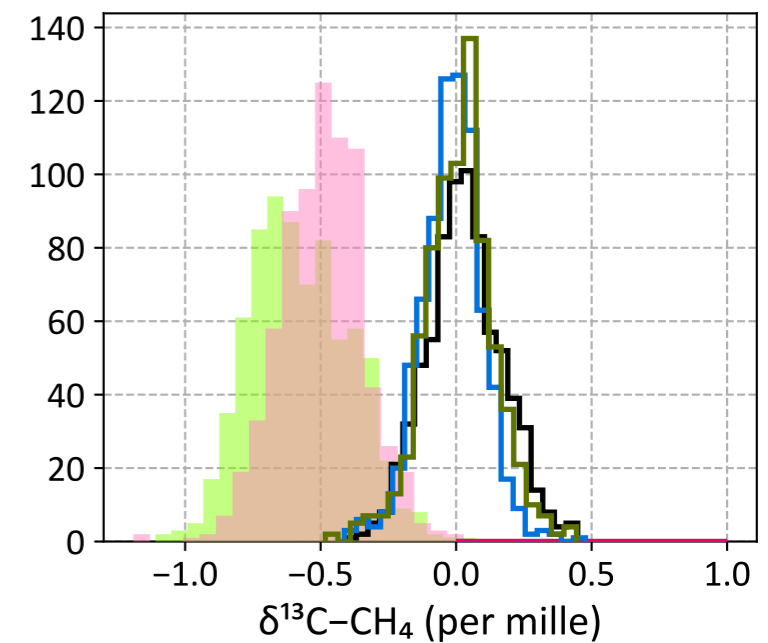
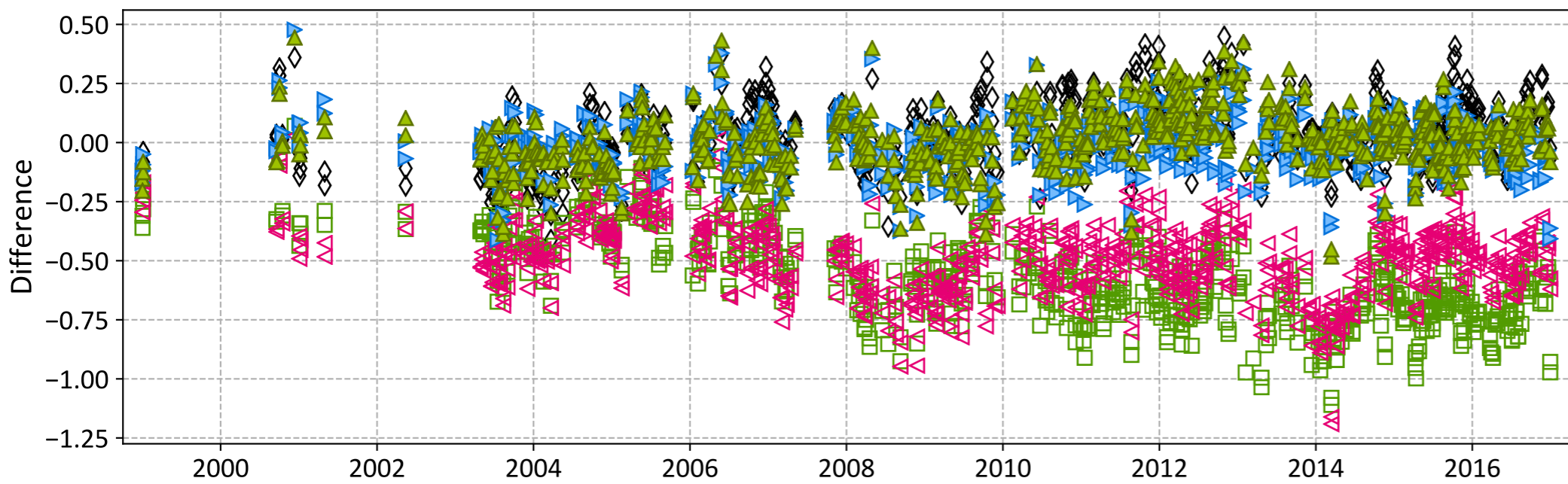
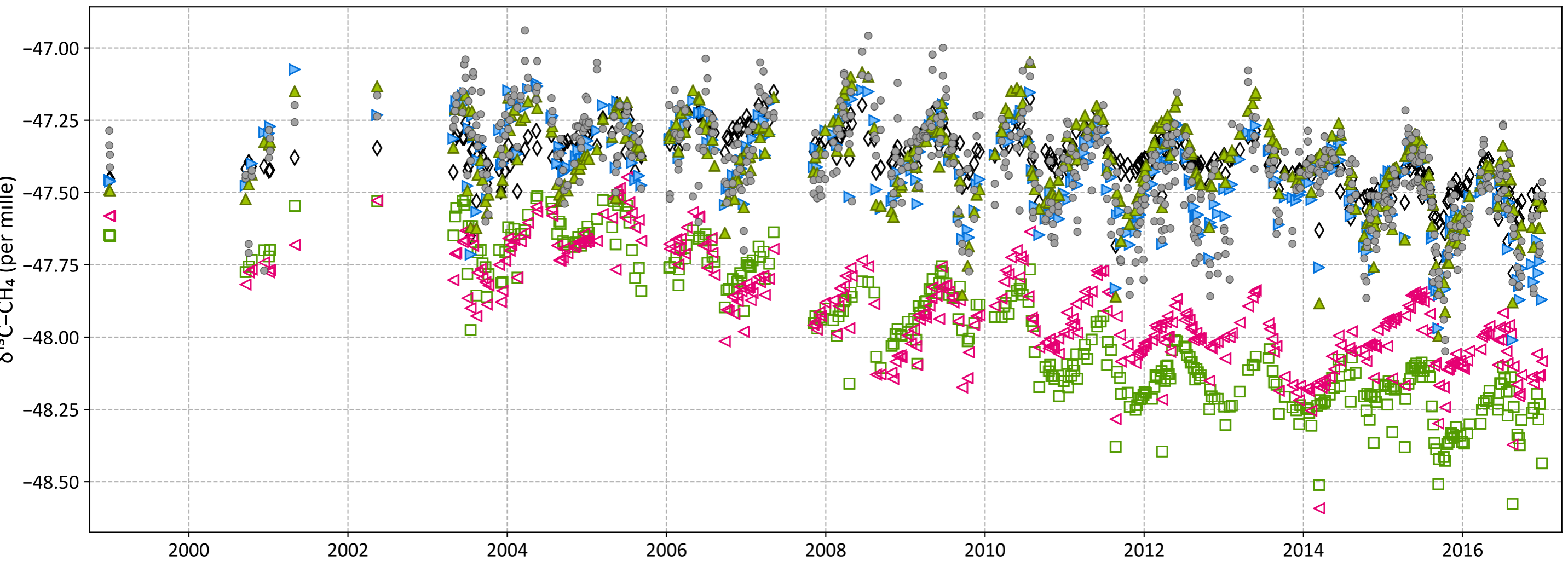


• Observed ◊ Prior ◻ CH₄ only (safe) ◁ CH₄ only (full) ▷ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

High Altitude Global Climate Observation Center (NOAA, Mexico) (MEX_ch4_surface_event_NOAA)

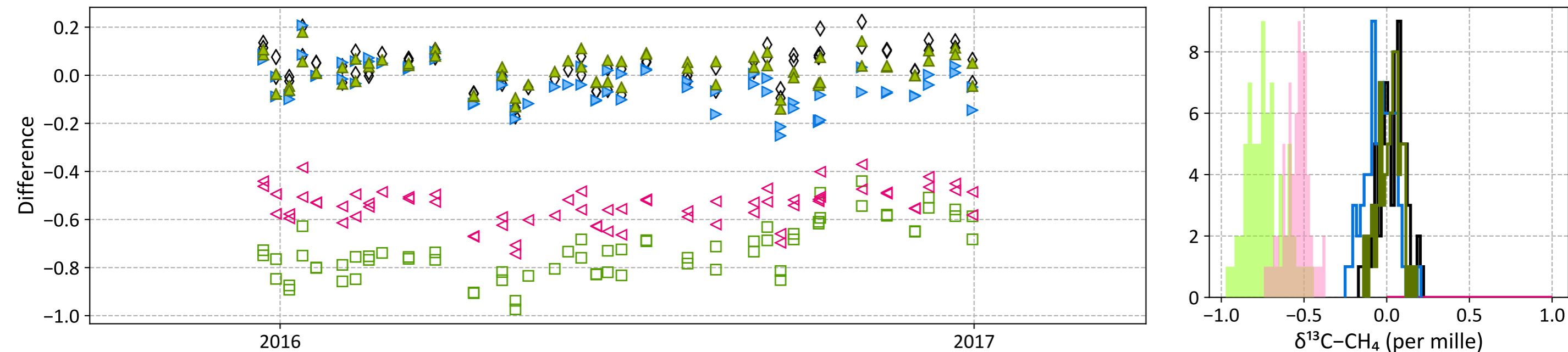
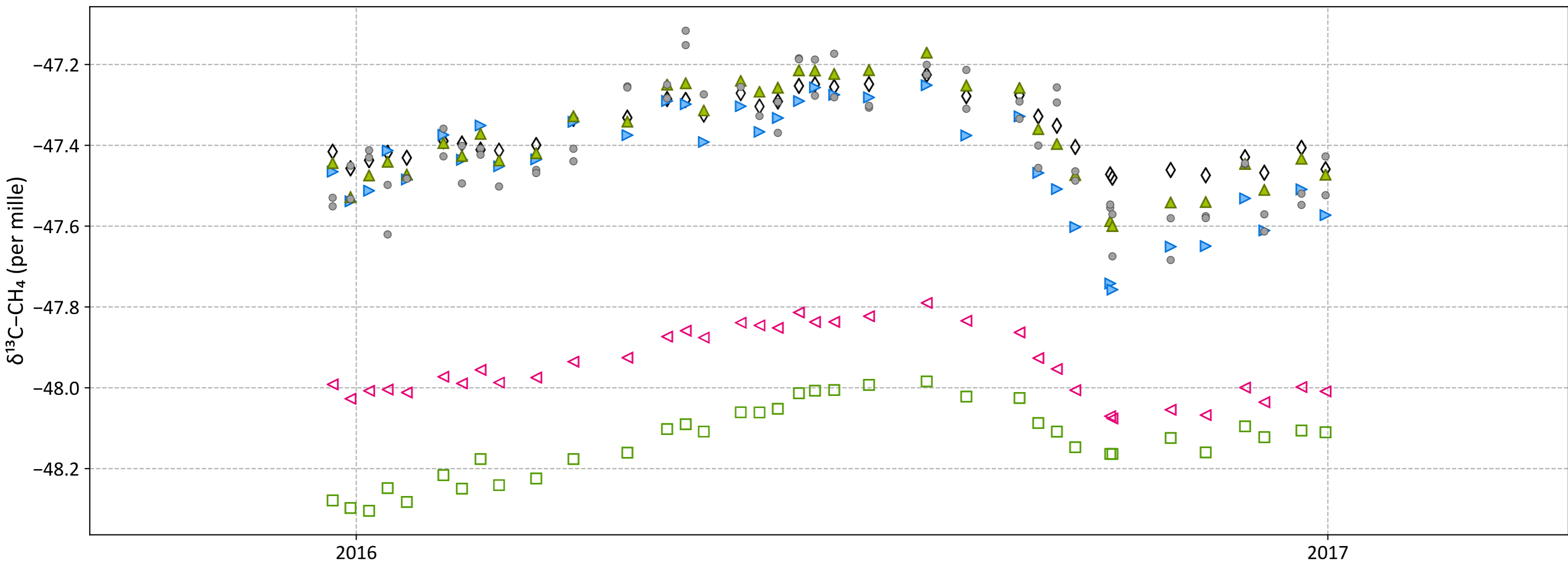


Mace Head, County Galway (NOAA, Ireland) level (MHD_ch4_surface_event_NOAA)



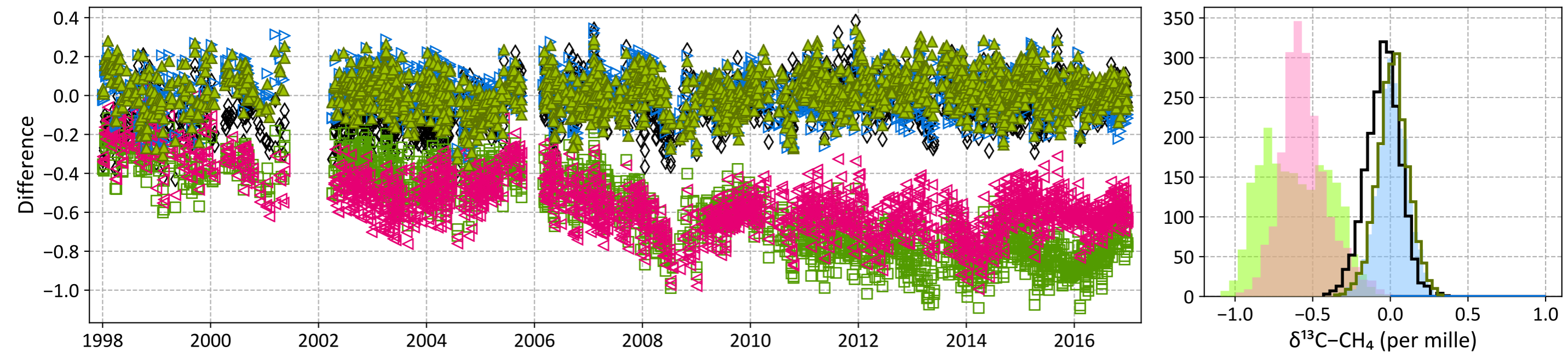
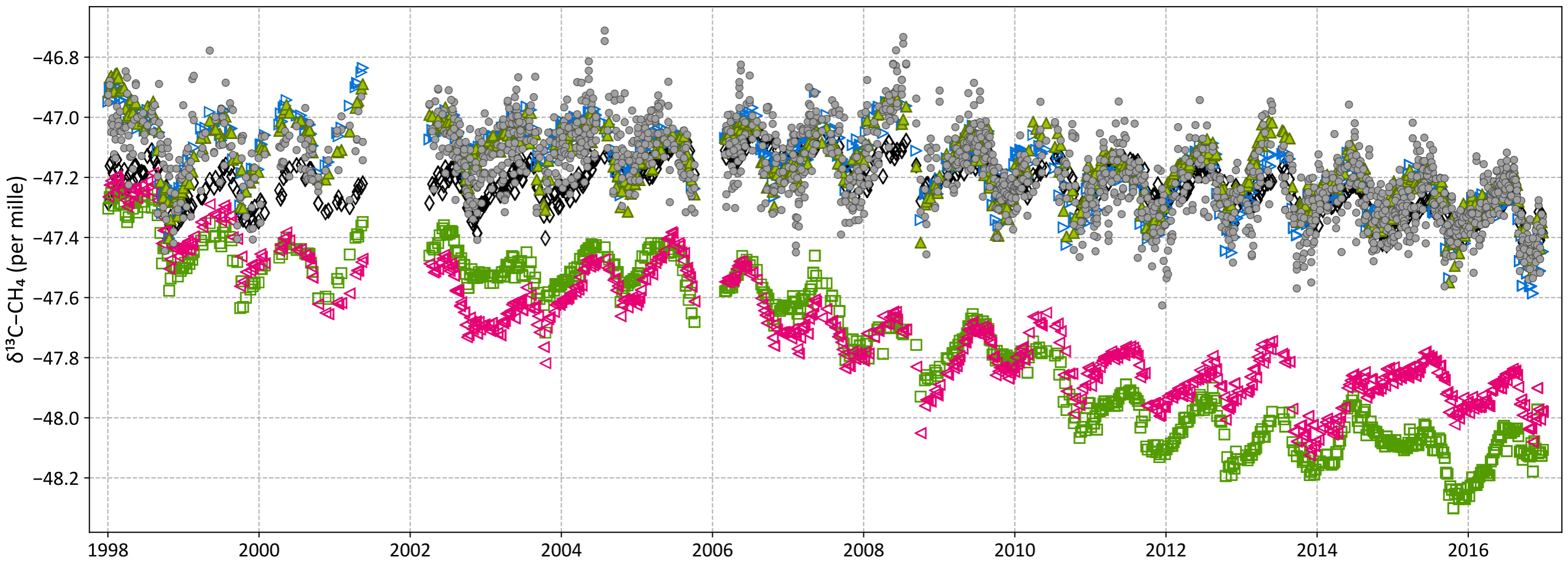
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Sand Island, Midway (NOAA, United States) level (MID_ch4_surface_event_NOAA)



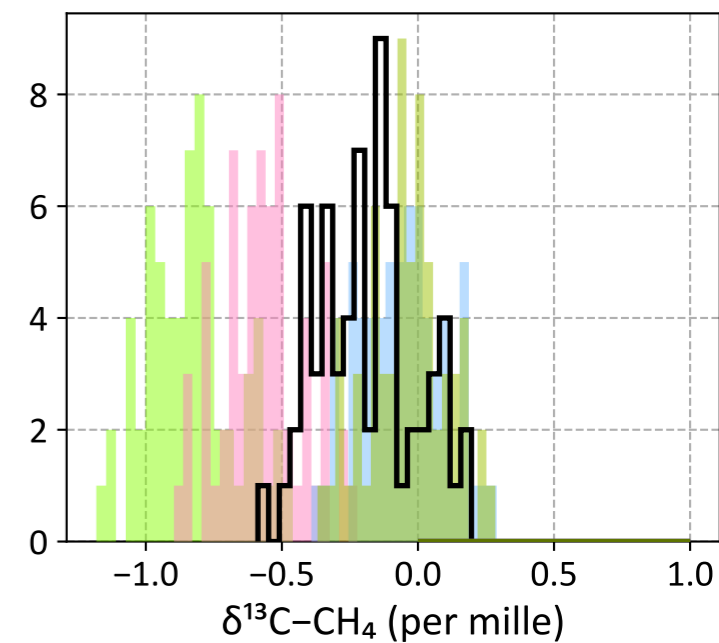
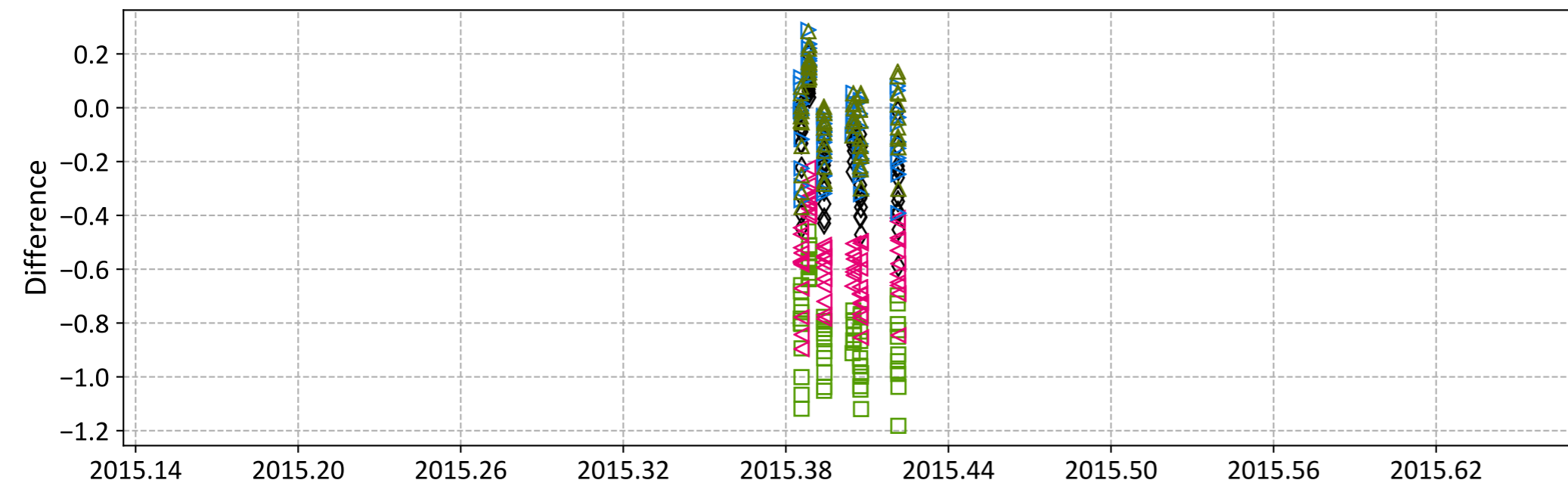
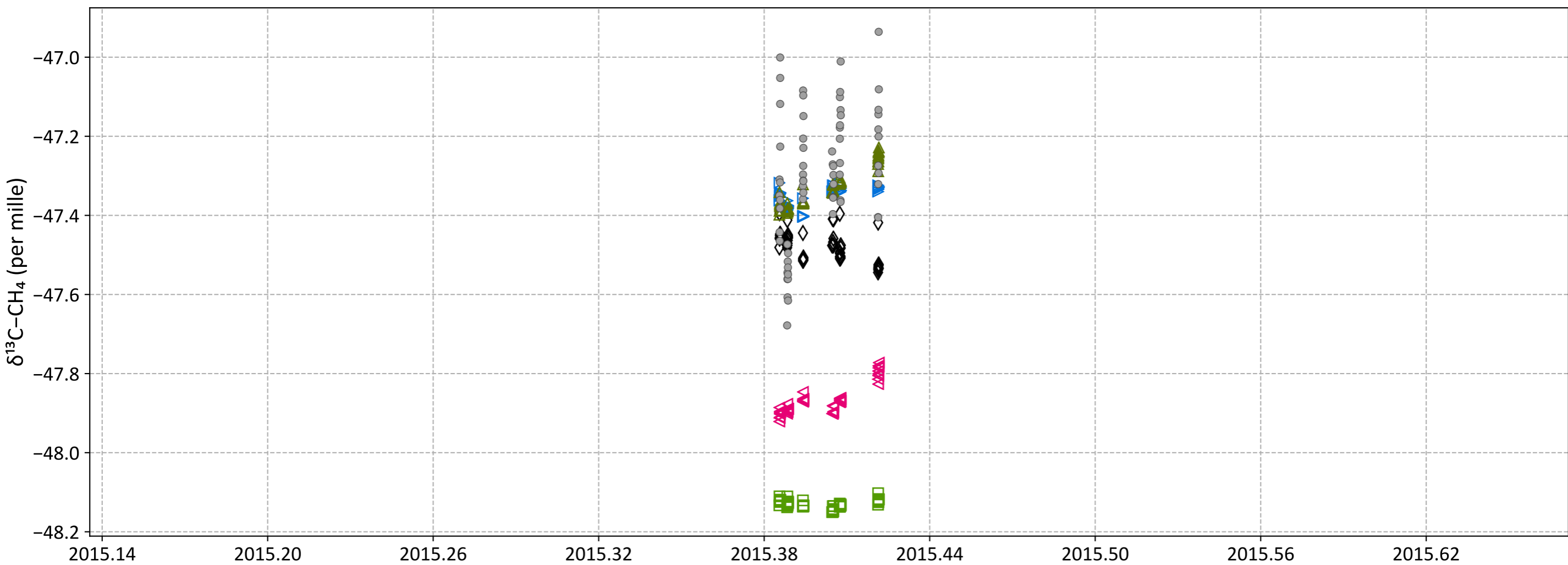
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Mauna Loa, Hawaii (NOAA, United States) level (MLO_ch4_surface_event_NOAA)



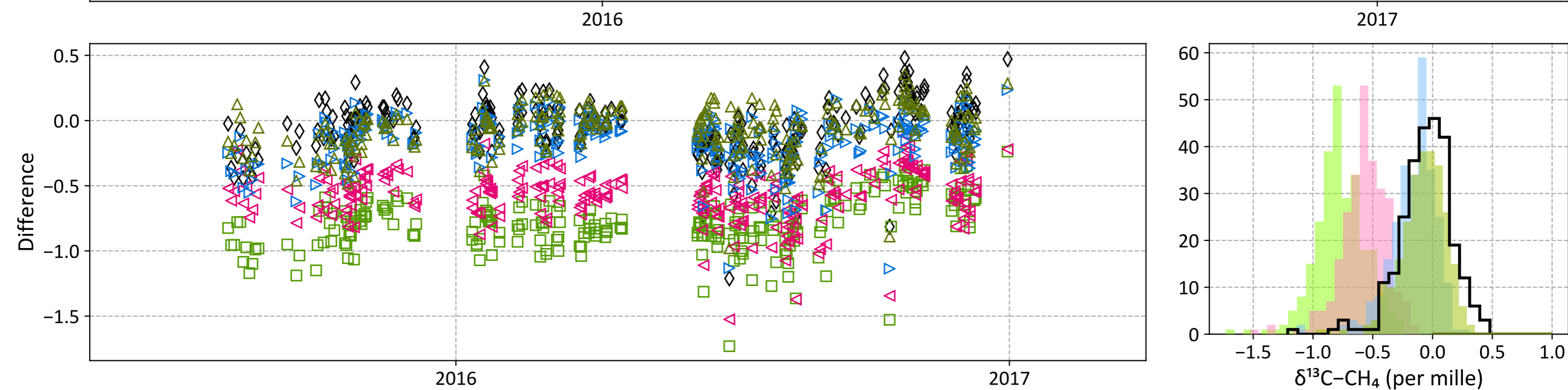
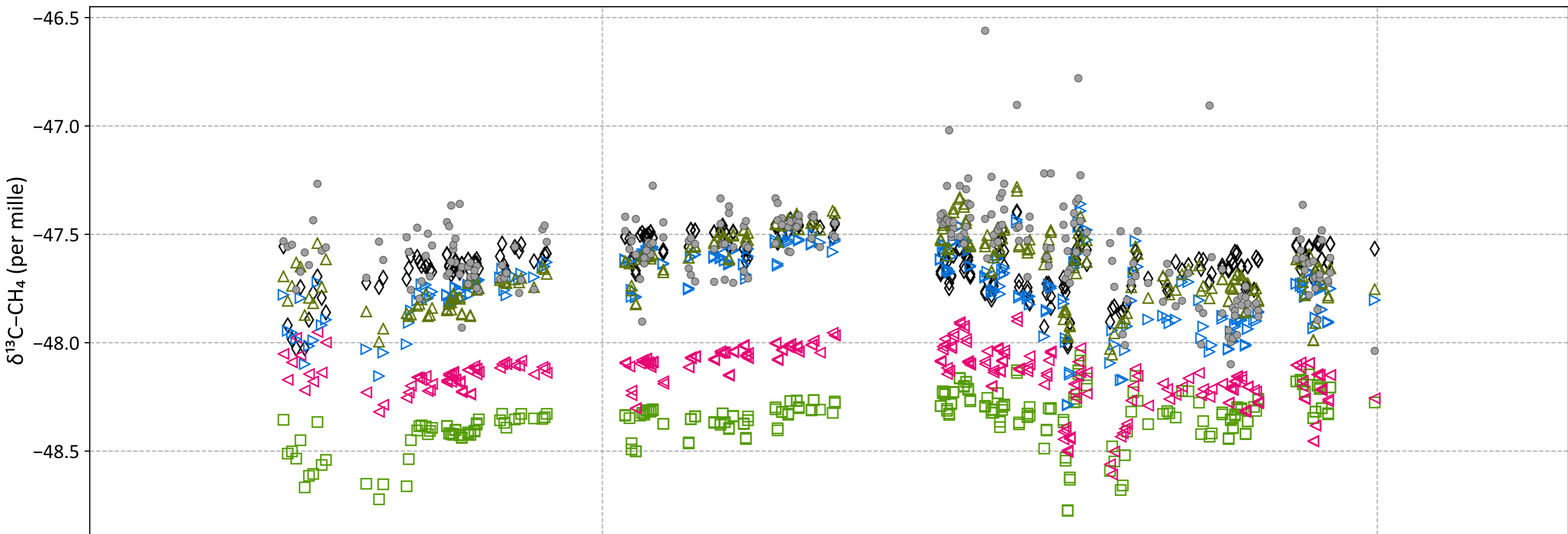
Observed
 Prior
 CH_4 only (safe)
 CH_4 only (full)
 $\text{CH}_4+\delta^{13}\text{C}$ (safe)
 $\text{CH}_4+\delta^{13}\text{C}$ (full)

Marcellus Pennsylvania (NOAA) (MRC_ch4_aircraft_event_NOAA)



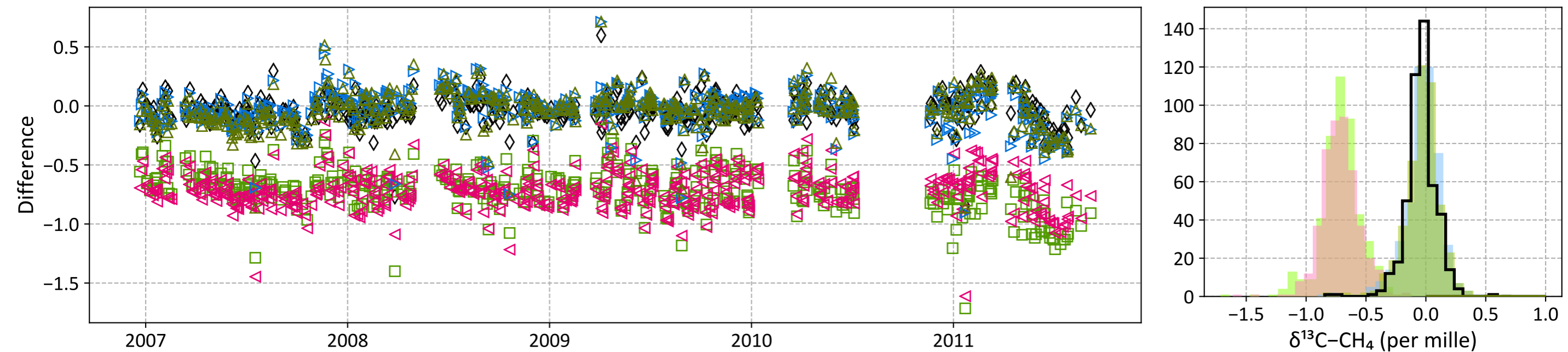
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Marcellus Pennsylvania (NOAA, United States) level (MRC_ch4_surface_event_NOAA)



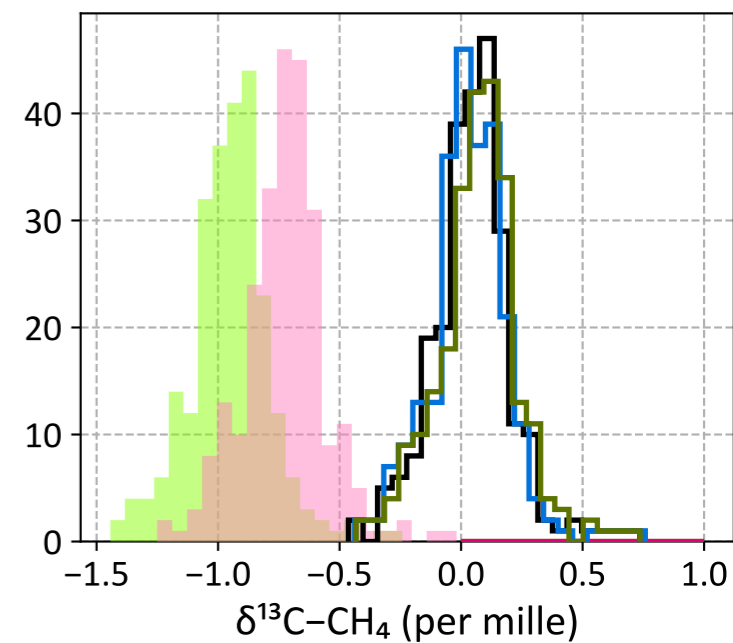
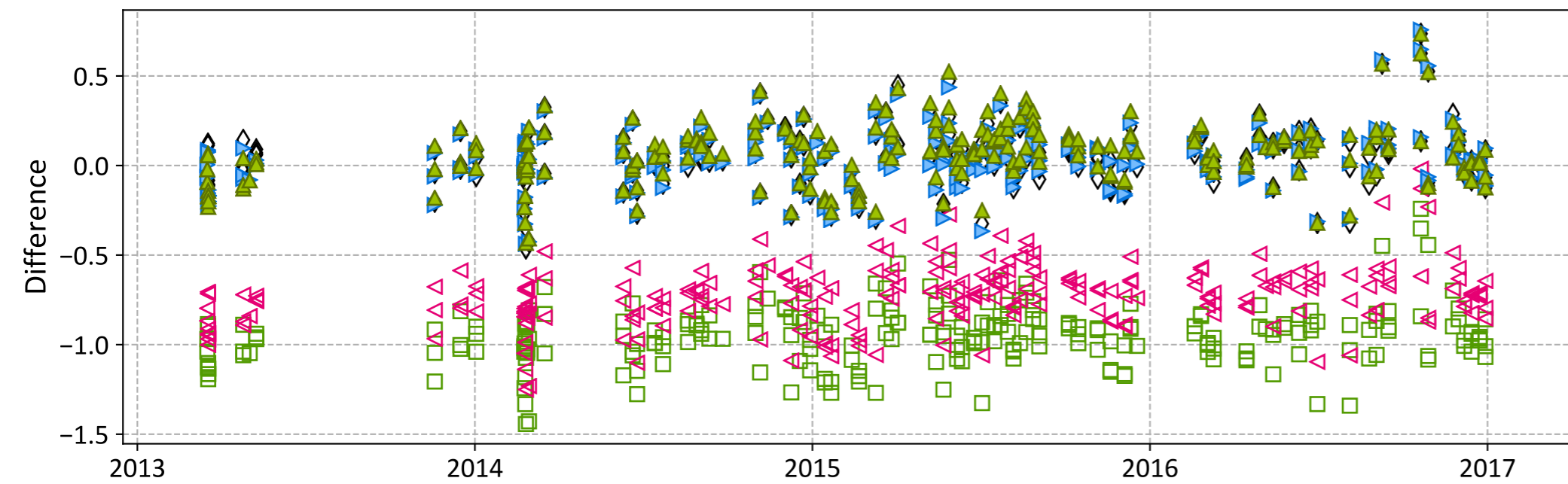
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Western Pacific Ocean (NIES, N/A) (NGM_ch4_surface_event_NIES)



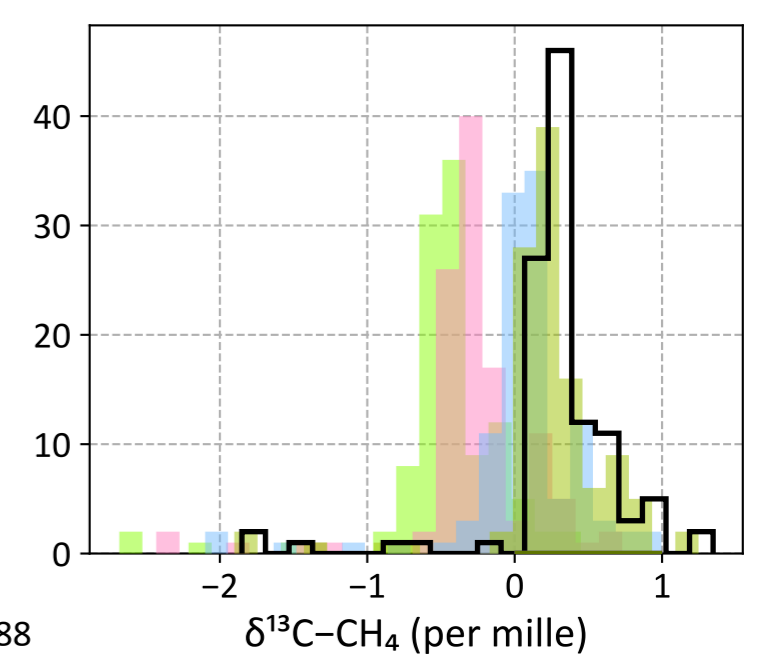
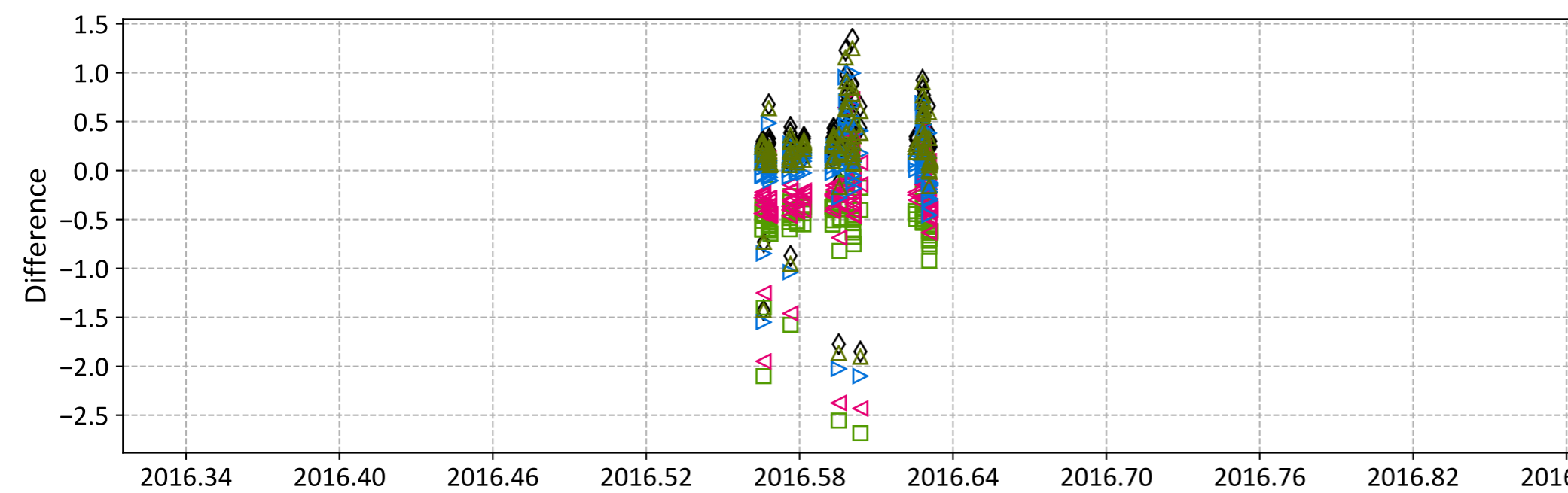
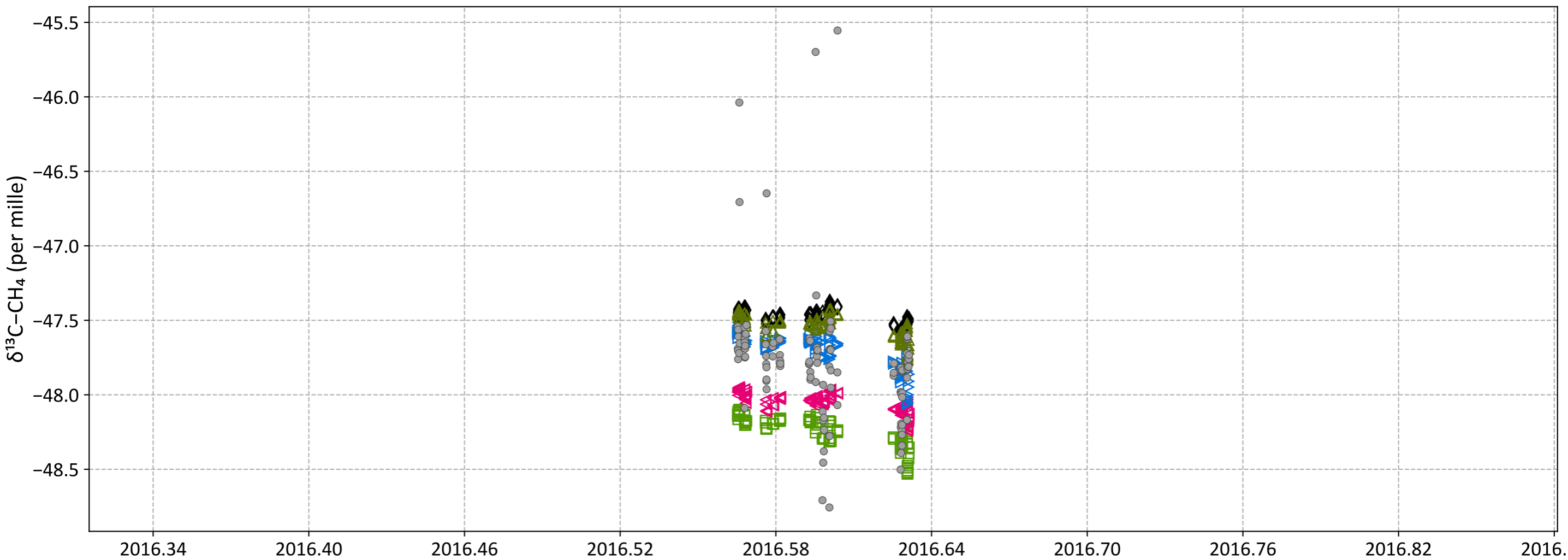
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Gobabeb (MPI-BGC, Namibia) (NMB_ch4_surface_event_MPI-BGC)



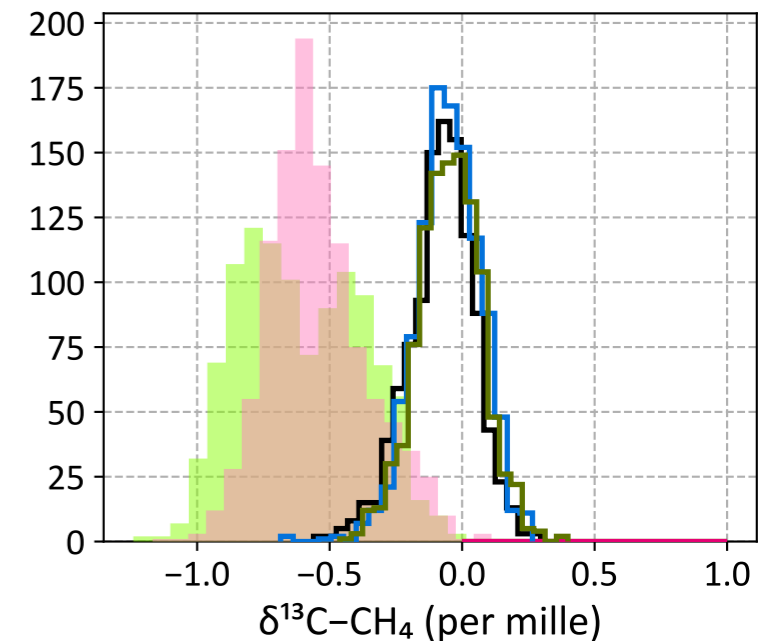
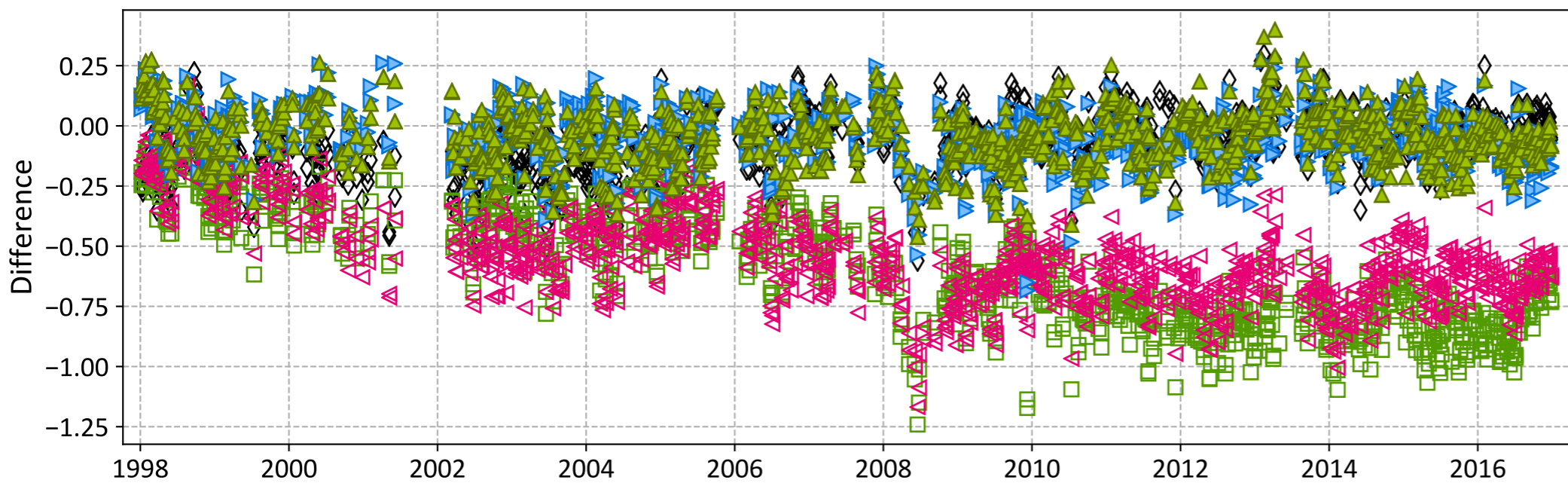
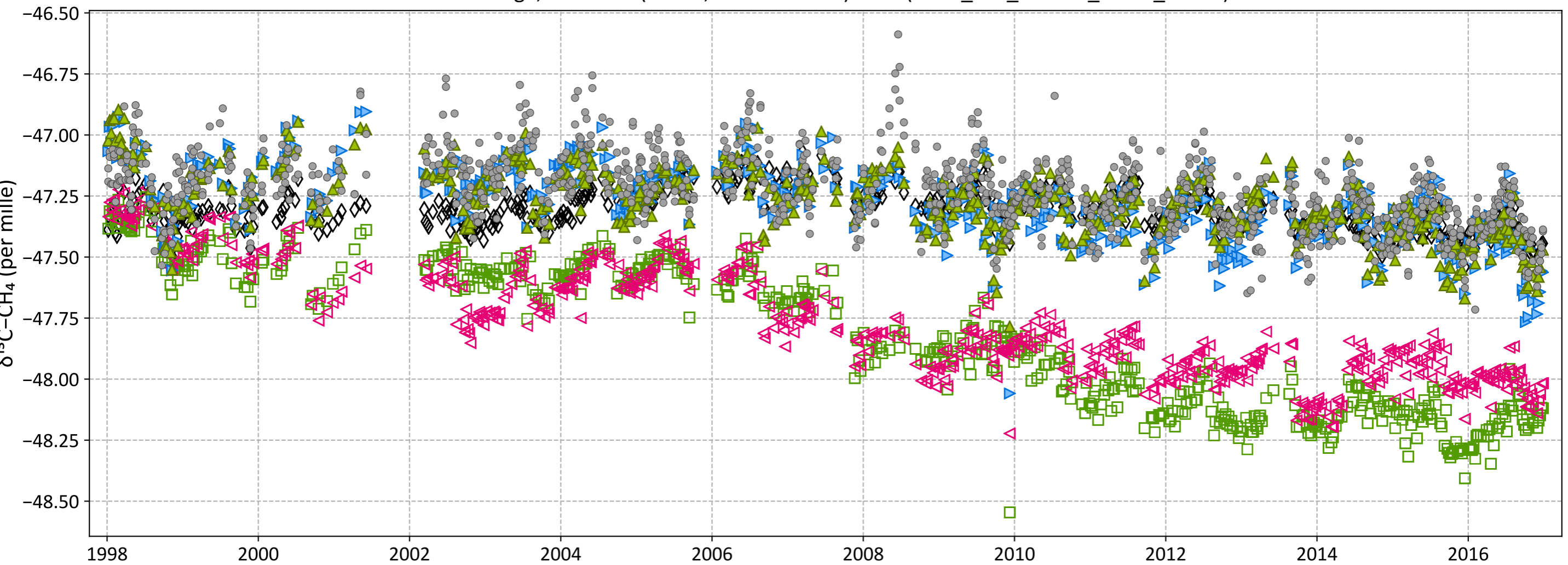
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

North Slope, Alaska (NOAA) (NSA_ch4_aircraft_event_NOAA)



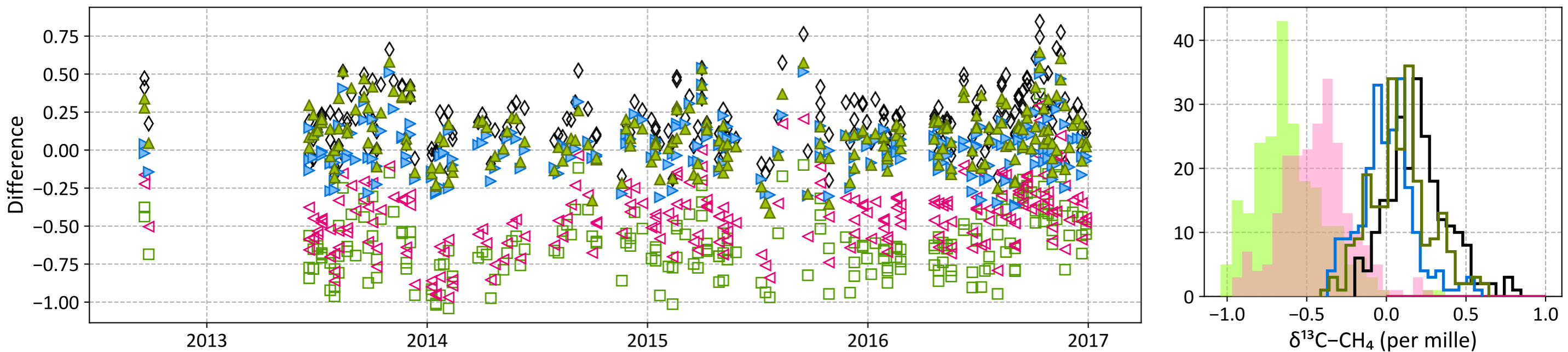
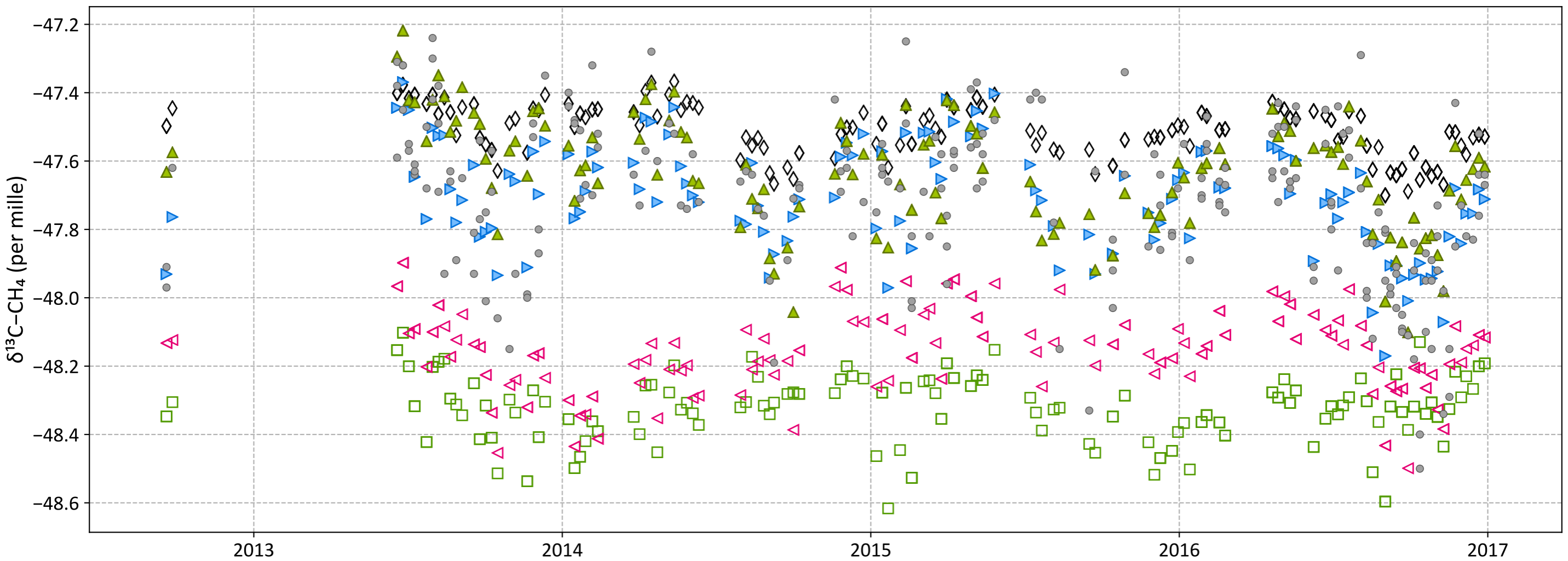
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Niwot Ridge, Colorado (NOAA, United States) level (NWR_ch4_surface_event_NOAA)



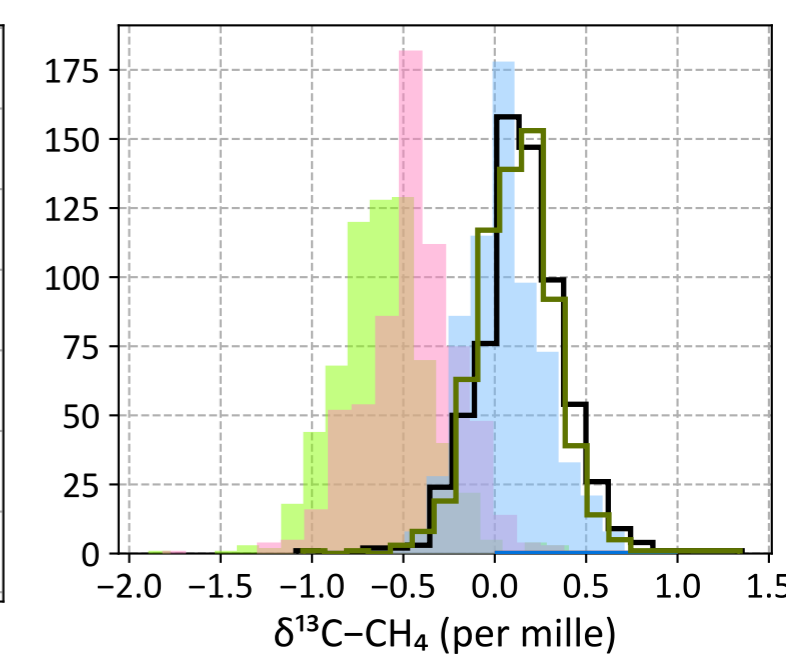
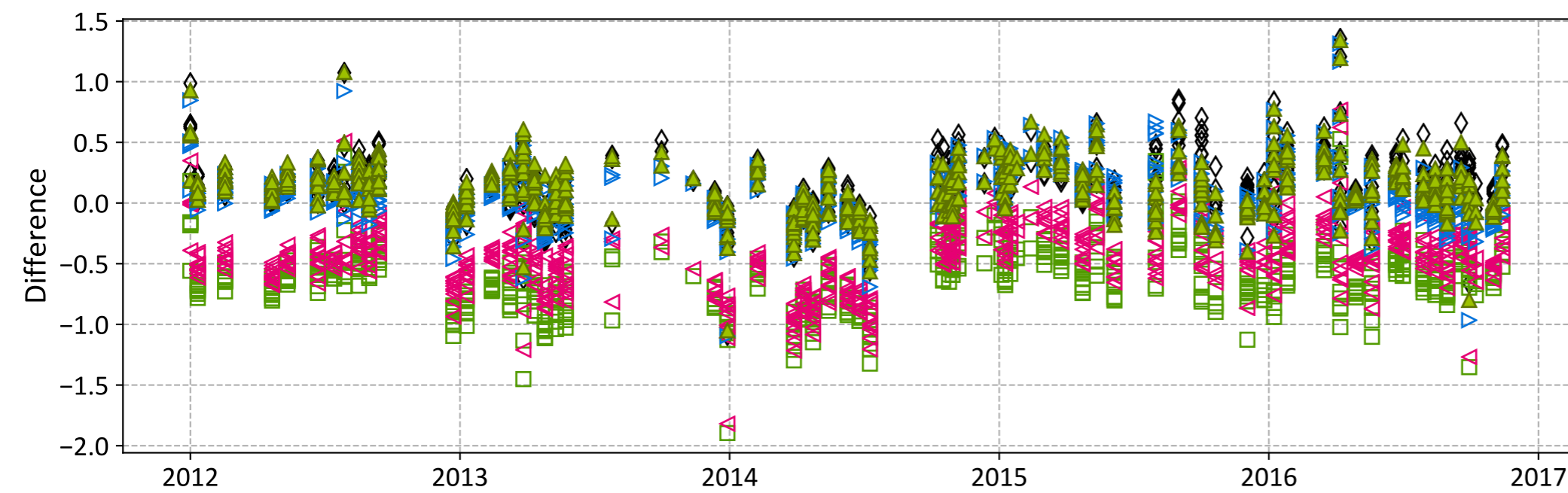
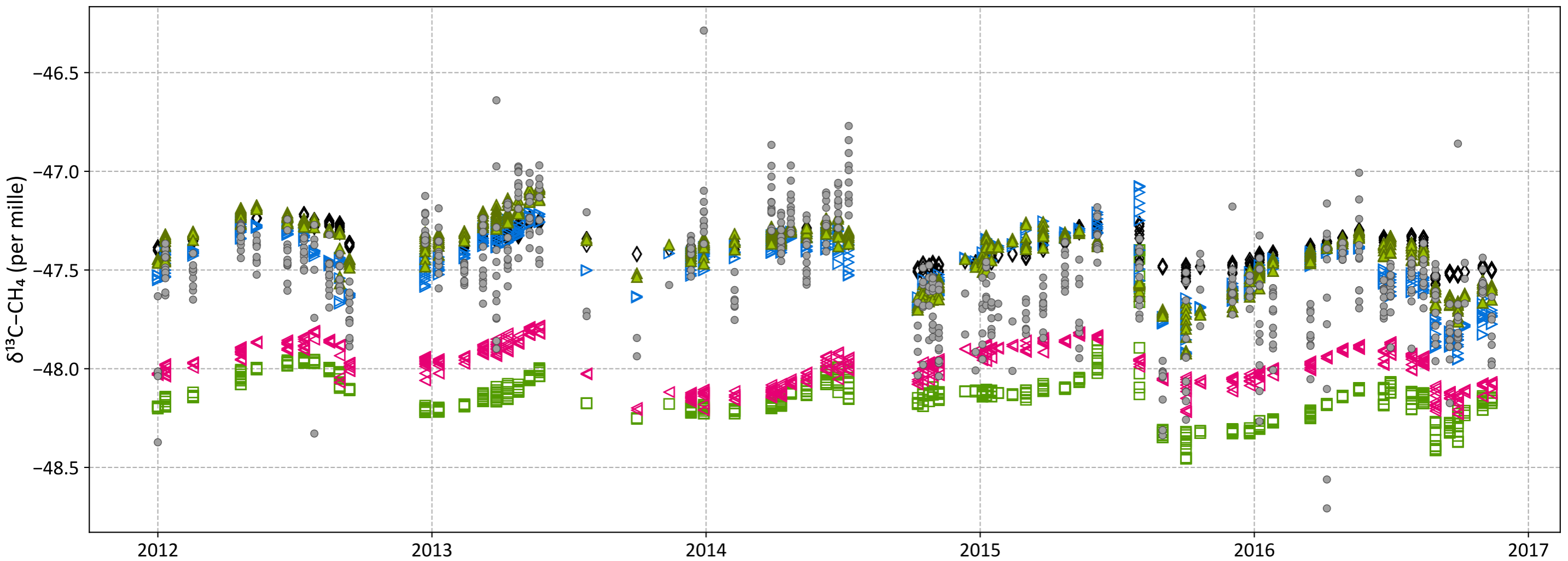
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Ochsenkopf (MPI-BGC, Germany) level (OXK_ch4_surface_event_MPI-BGC)



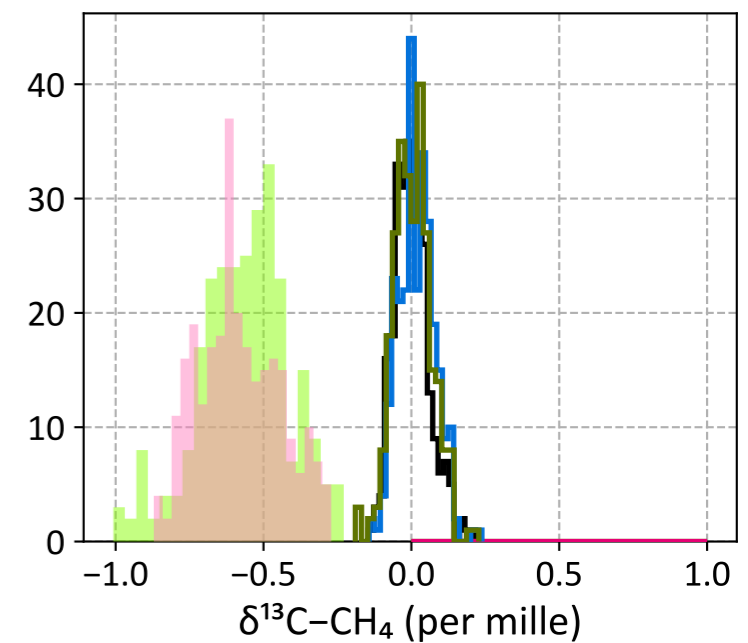
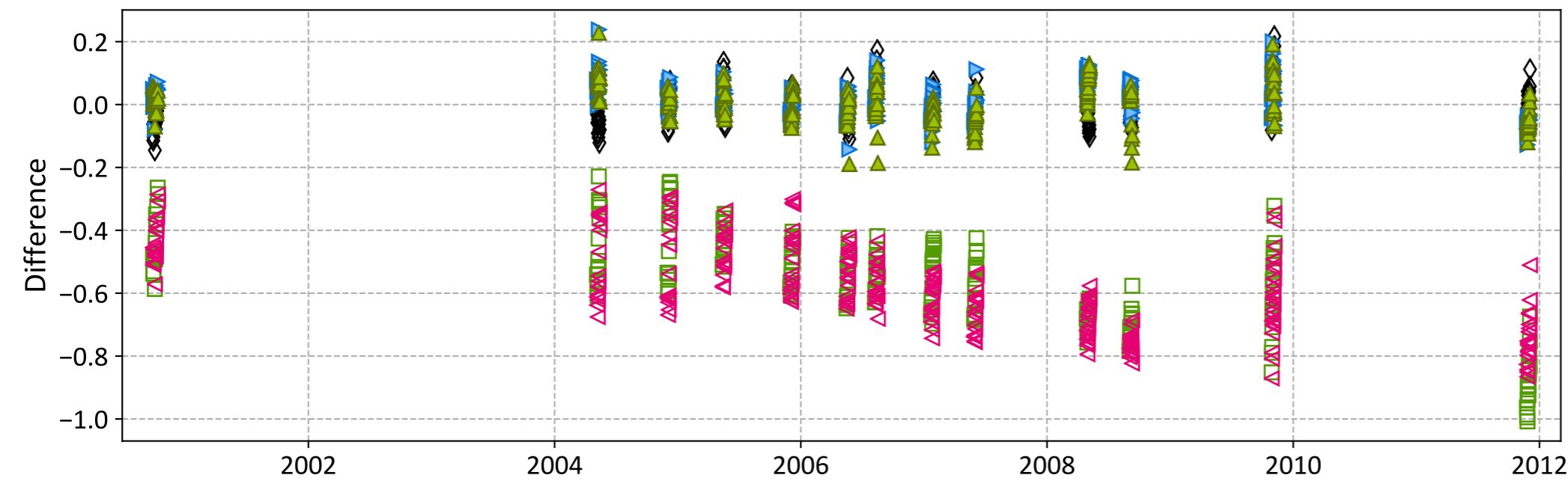
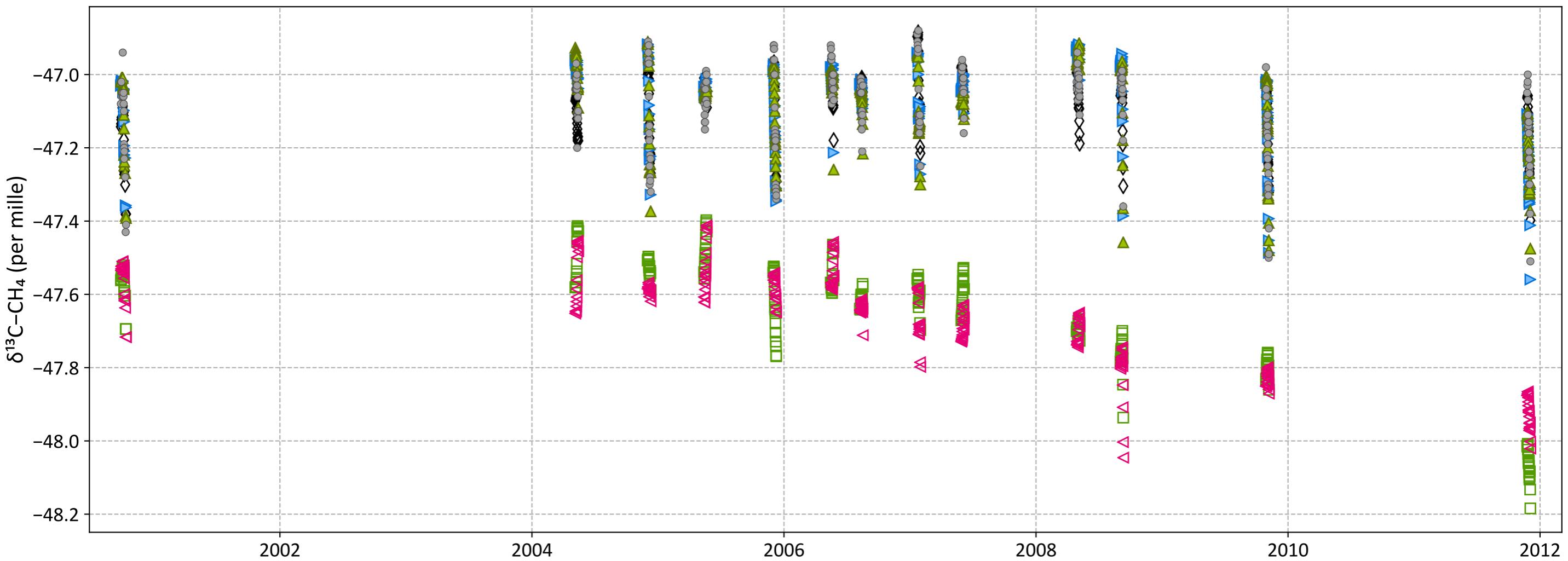
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Poker Flat, Alaska (NOAA) (PFA_ch4_aircraft_event_NOAA)



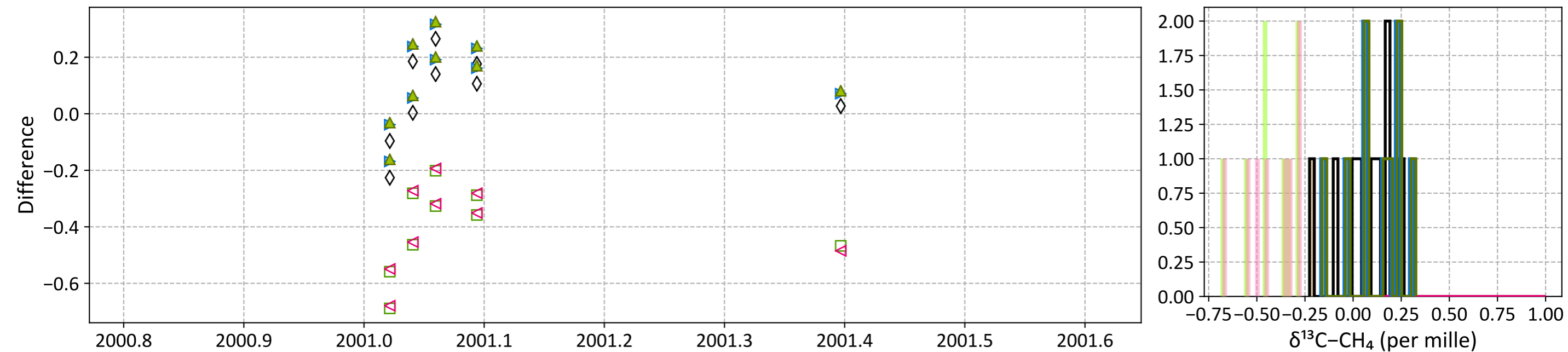
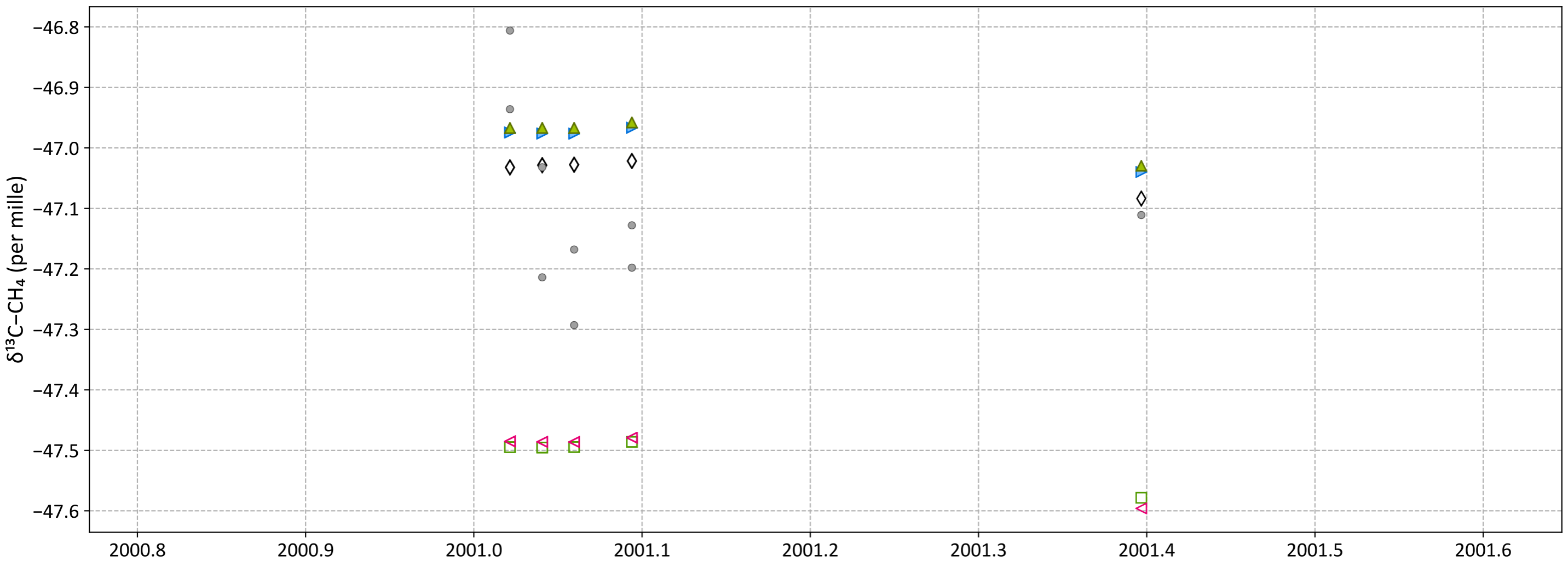
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Pacific Ocean (NIWA) (POC_ch4_surface_event_NIWA)



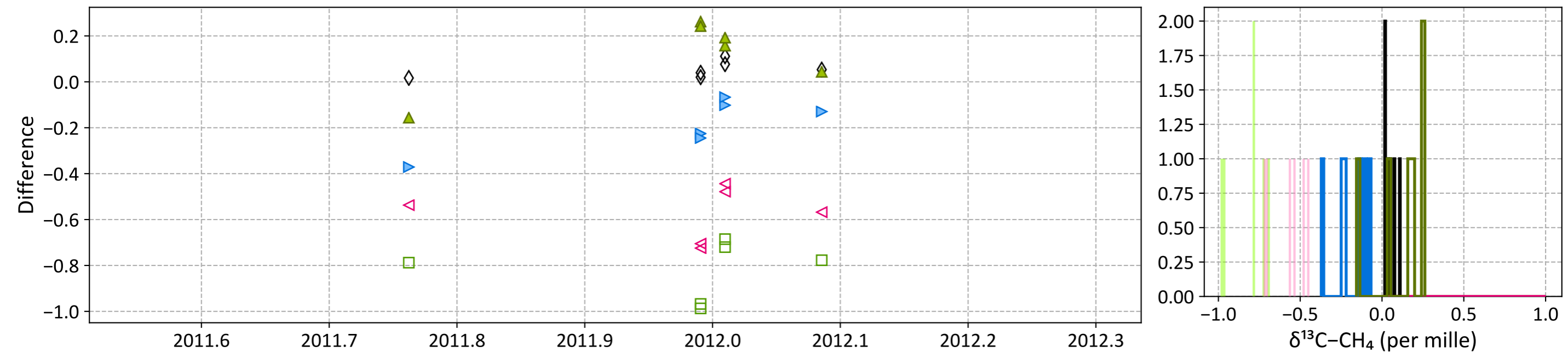
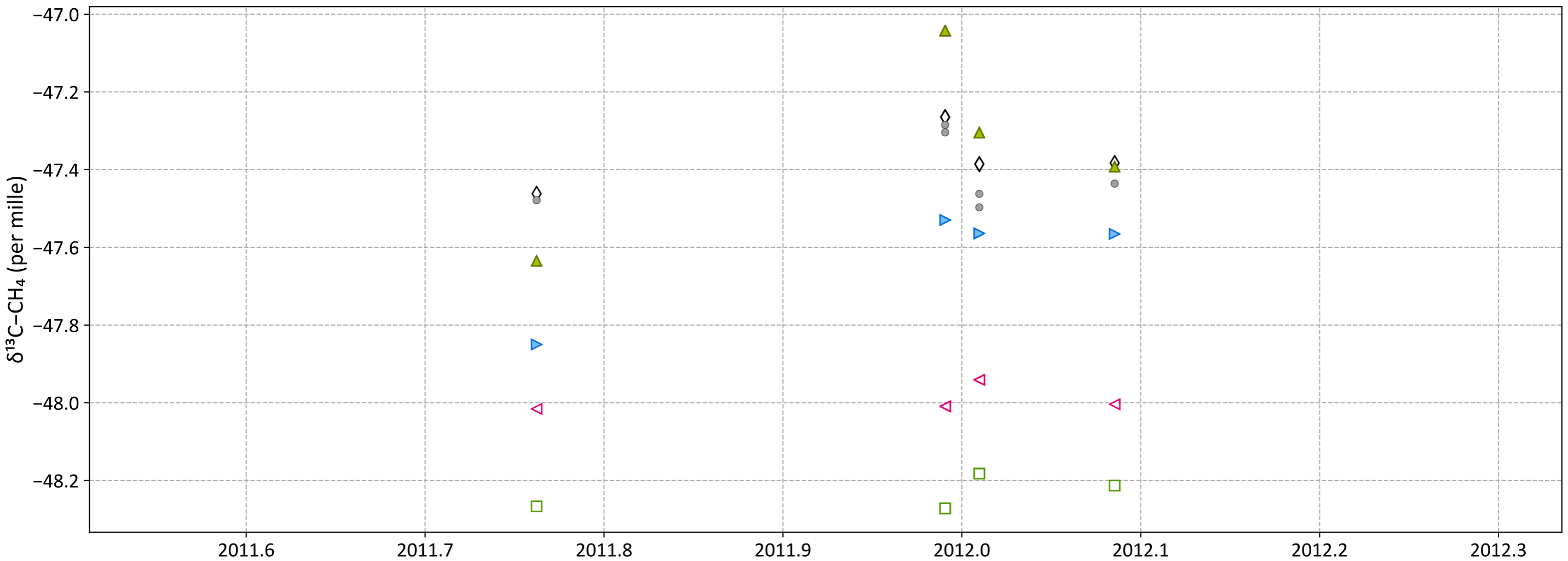
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Palmer Station, Antarctica (NOAA, United States) level (PSA_ch4_surface_event_NOAA)



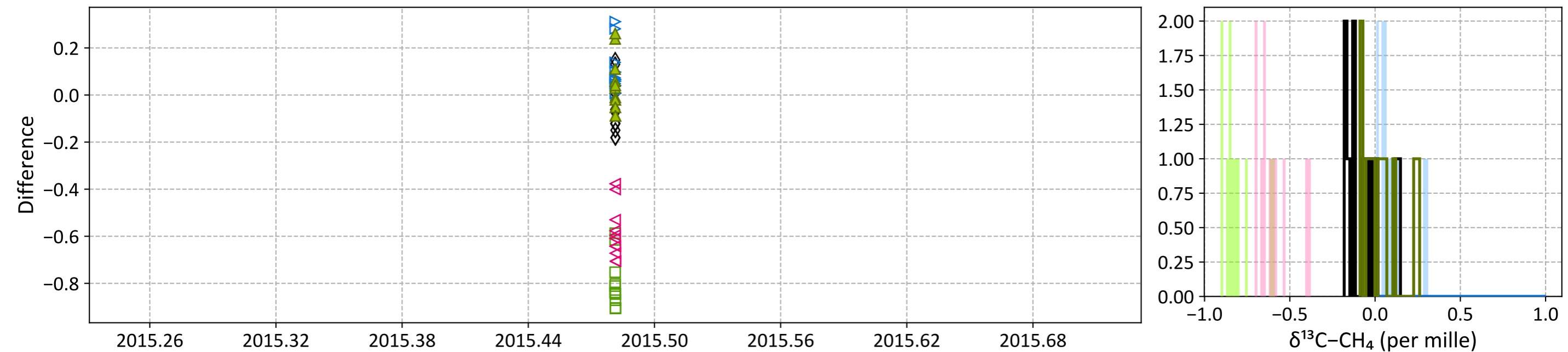
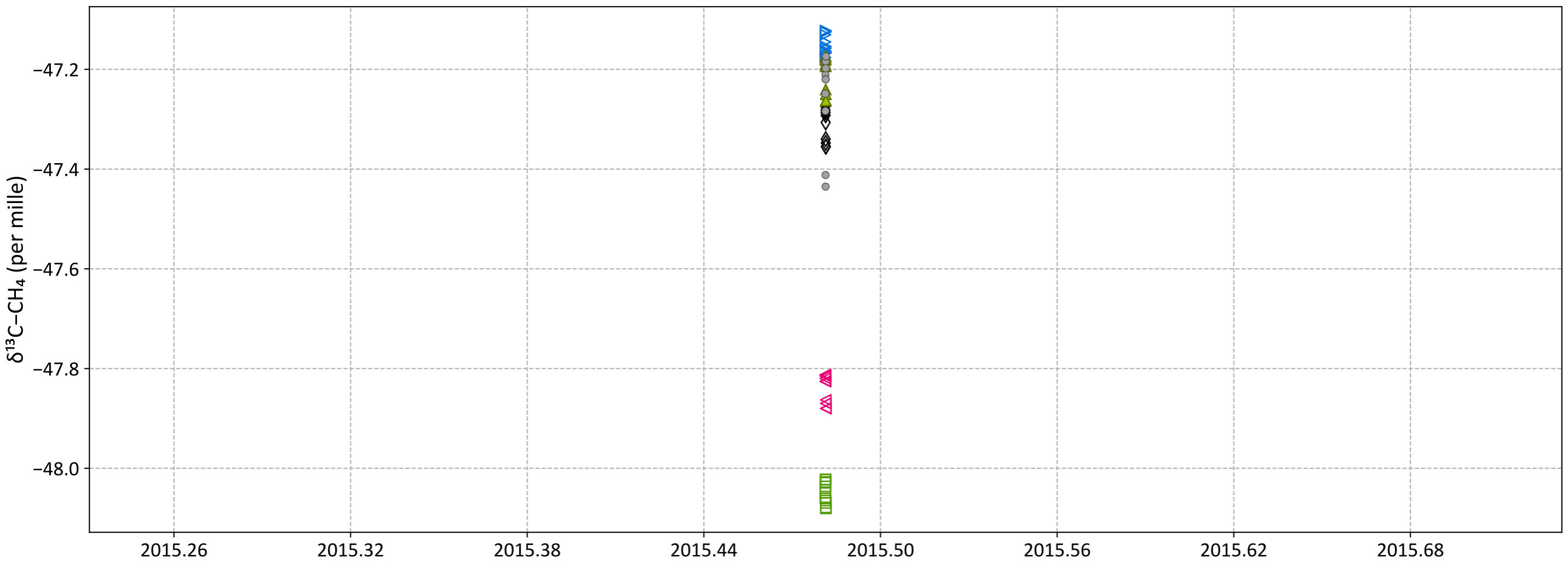
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³C (safe)
 CH₄+δ¹³C (full)

Shangdianzi (NOAA, Peoples Republic of China) (SDZ_ch4_surface_event_NOAA)



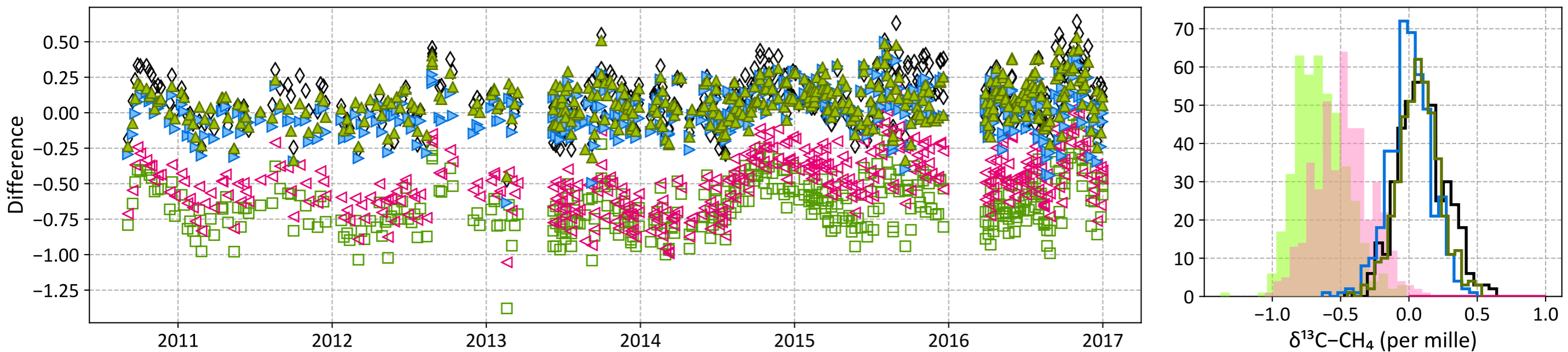
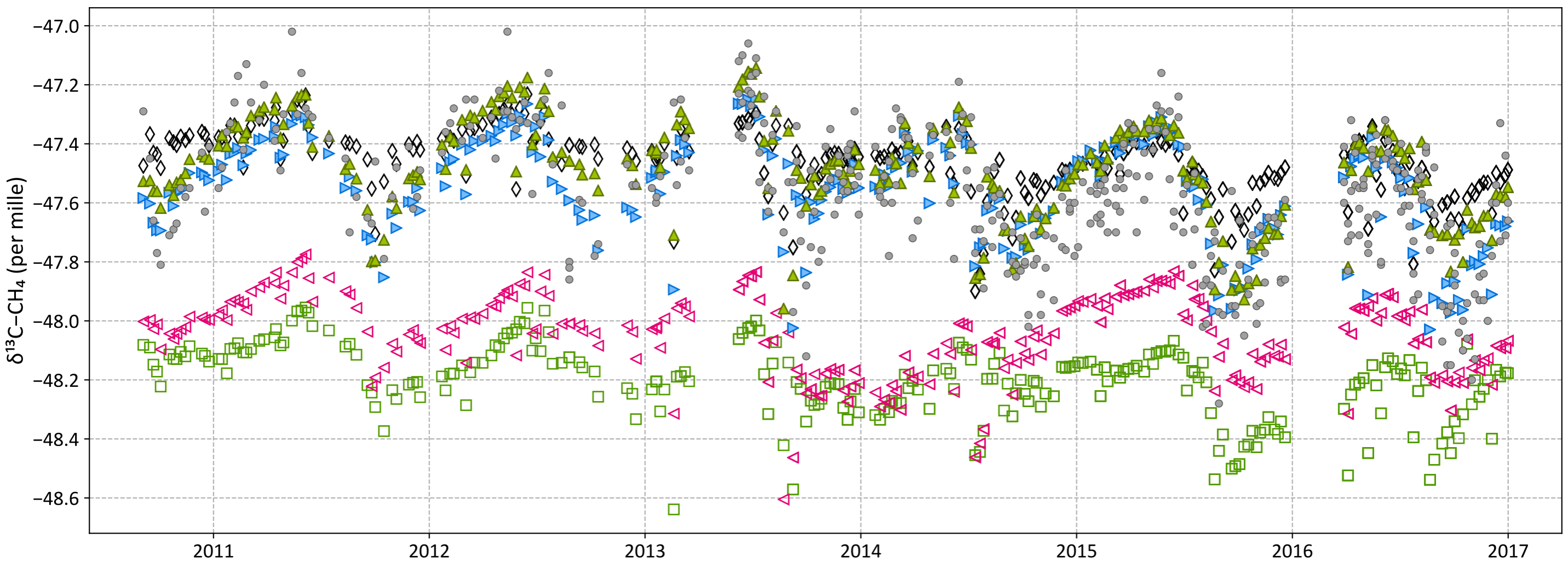
● Observed ◇ Prior ■ CH_4 only (safe) ◀ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Southern Great Plains, Oklahoma (NOAA) (SGP_ch4_aircraft_event_NOAA)



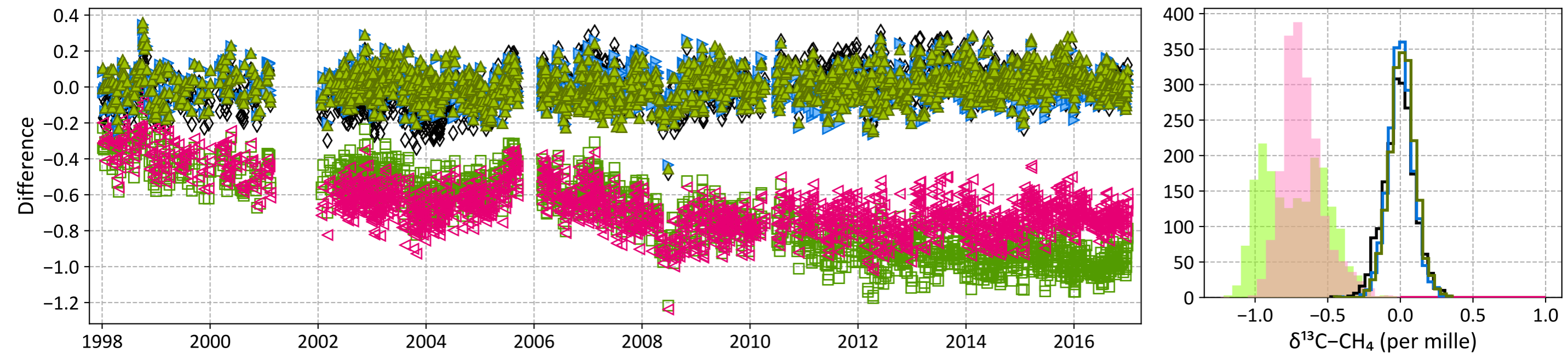
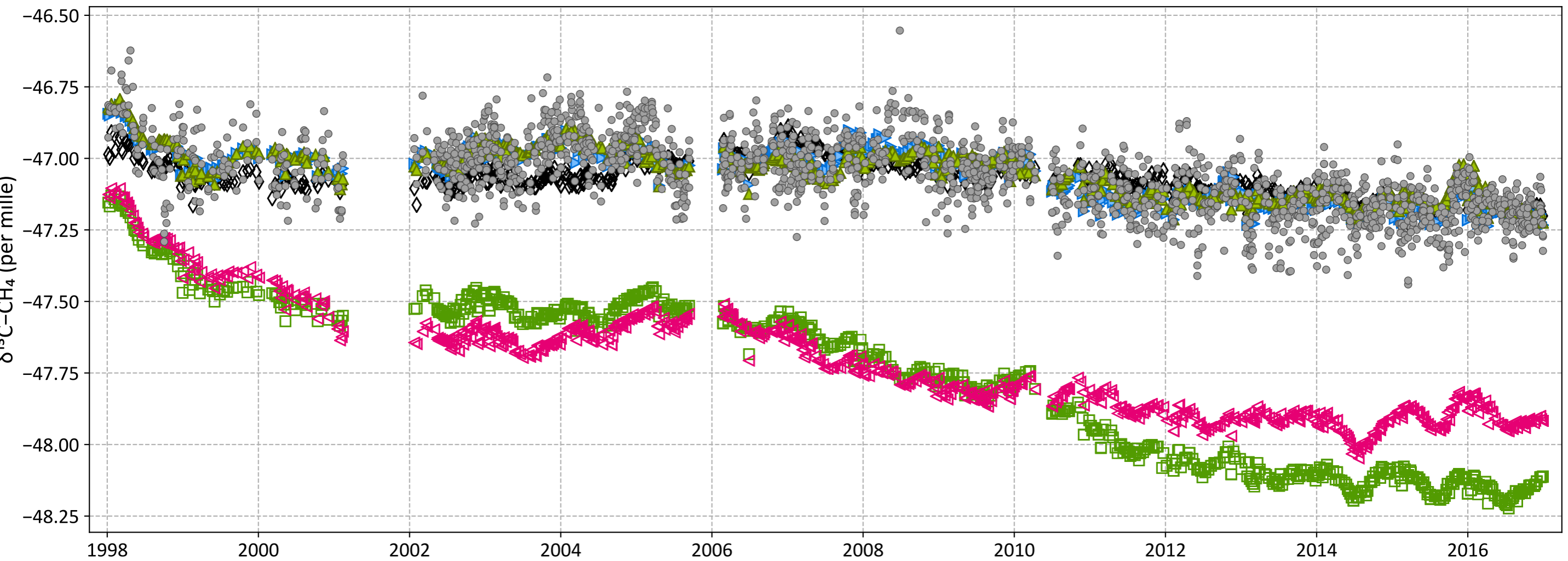
Observed
 Prior
 CH_4 only (safe)
 CH_4 only (full)
 $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe)
 $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Shetland Islands (MPI-BGC, Scotland) (SIS_ch4_surface_event_MPI-BGC)



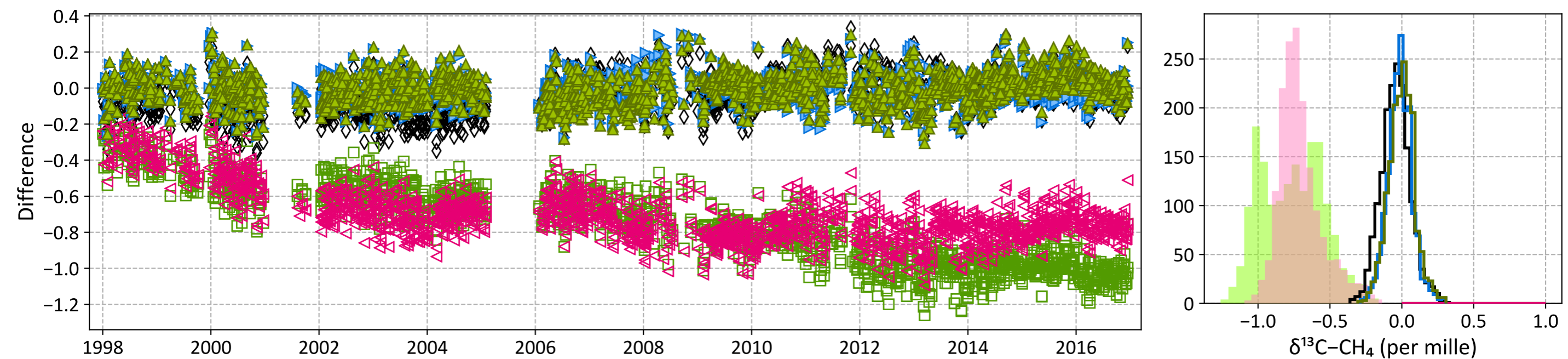
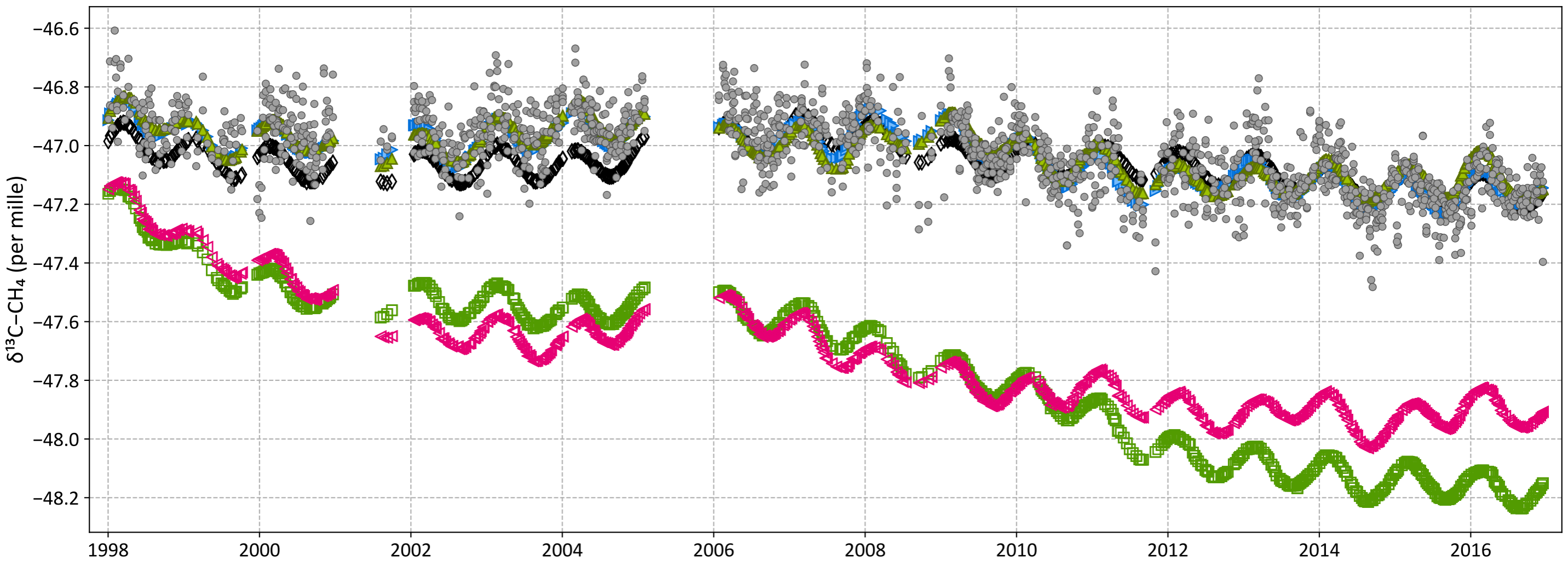
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Tutuila (NOAA, American Samoa) level (SMO_ch4_surface_event_NOAA)



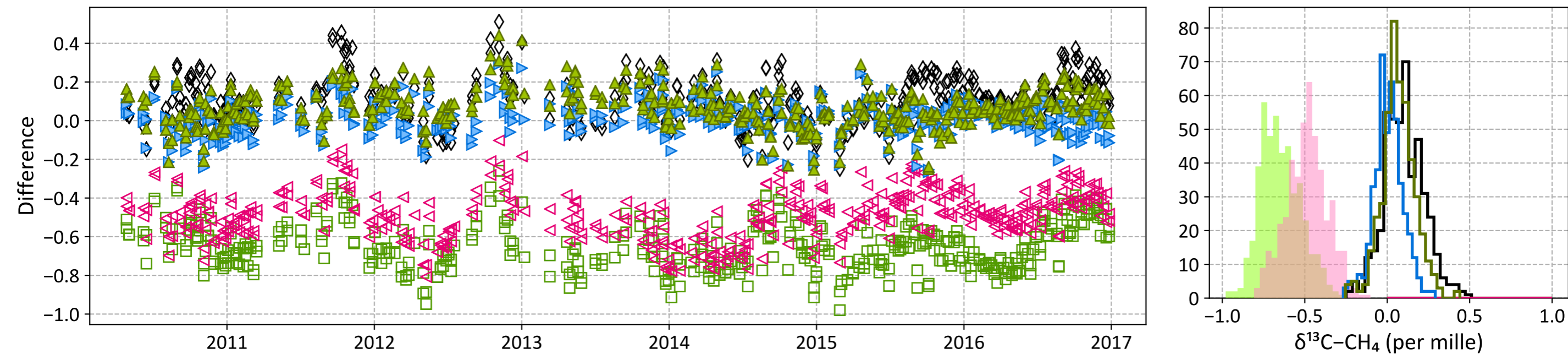
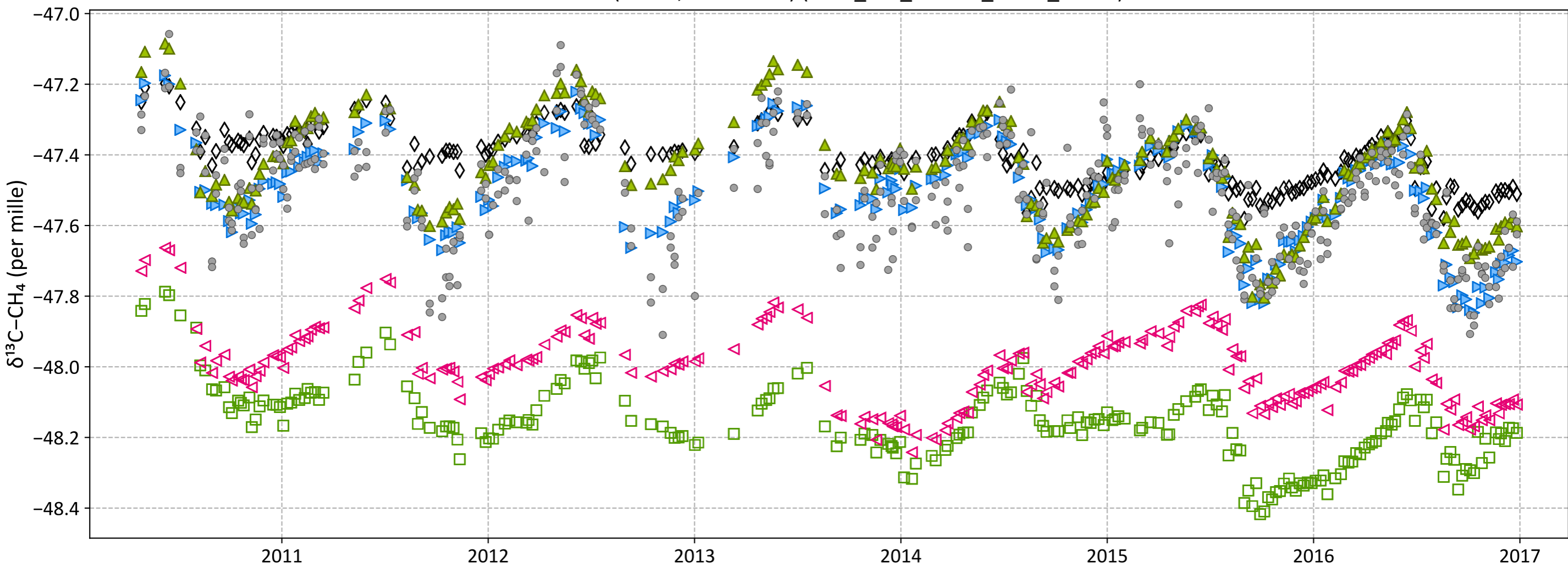
● Observed
 ◊ Prior
 ■ CH₄ only (safe)
 ◄ CH₄ only (full)
 ▶ CH₄+δ¹³CH₄ (safe)
 ▲ CH₄+δ¹³CH₄ (full)

South Pole, Antarctica (NOAA, United States) level (SPO_ch4_surface_event_NOAA)



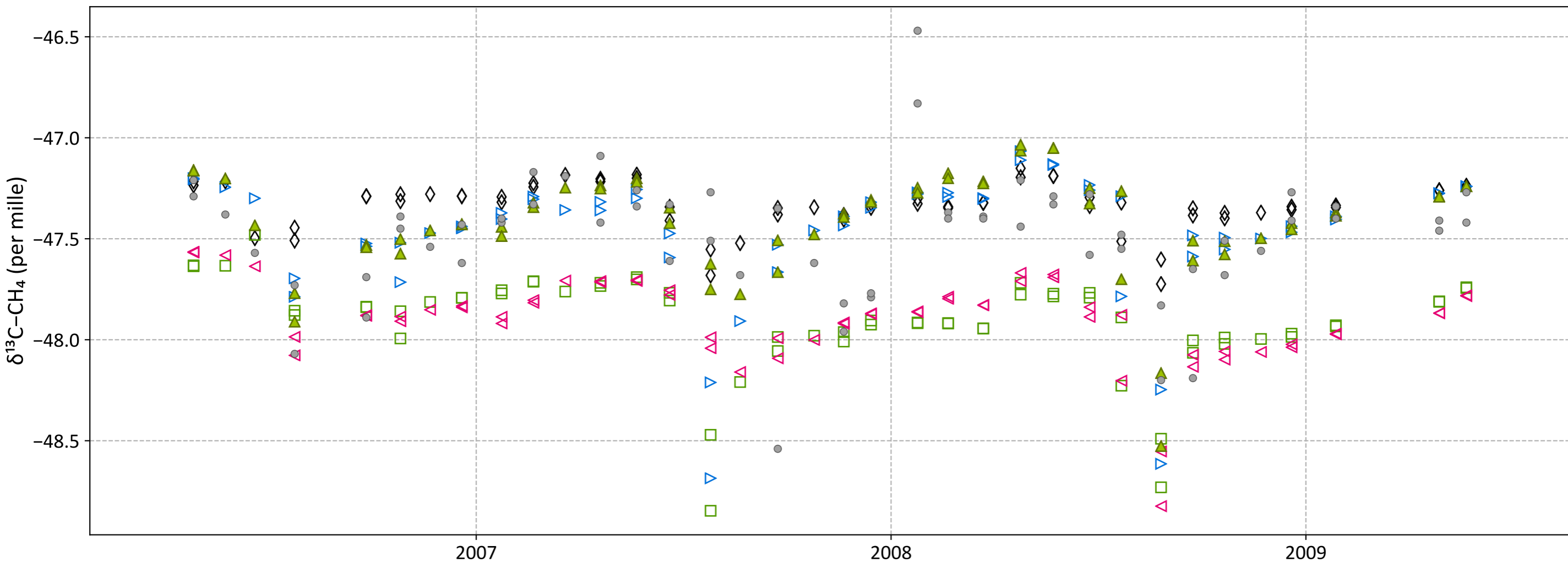
● Observed
 ◇ Prior
 ■ CH₄ only (safe)
 ◀ CH₄ only (full)
 ▶ CH₄+δ¹³CH₄ (safe)
 ▲ CH₄+δ¹³CH₄ (full)

Summit (NOAA, Greenland) (SUM_ch4_surface_event_NOAA)



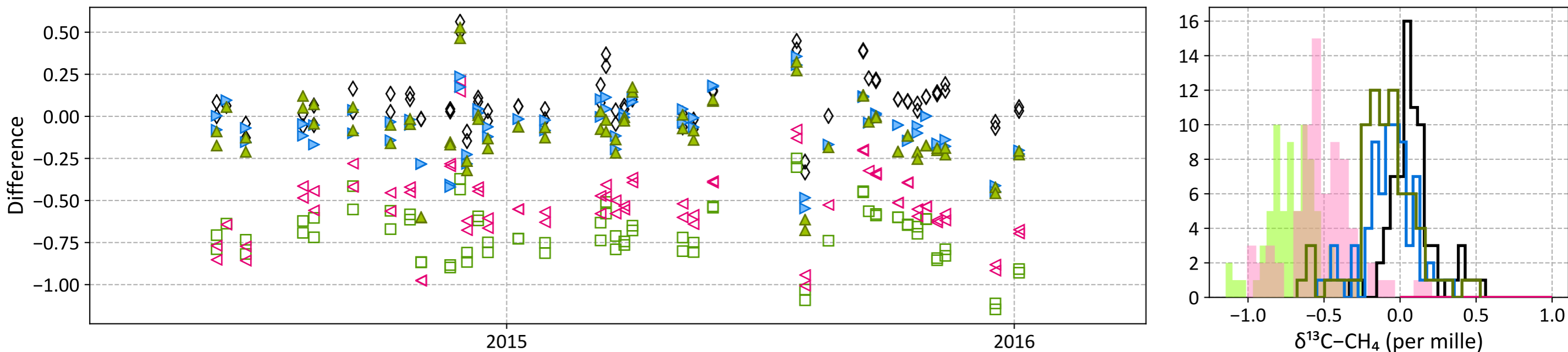
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Surgut (NIES) (SUR_ch4_aircraft_event_NIES)



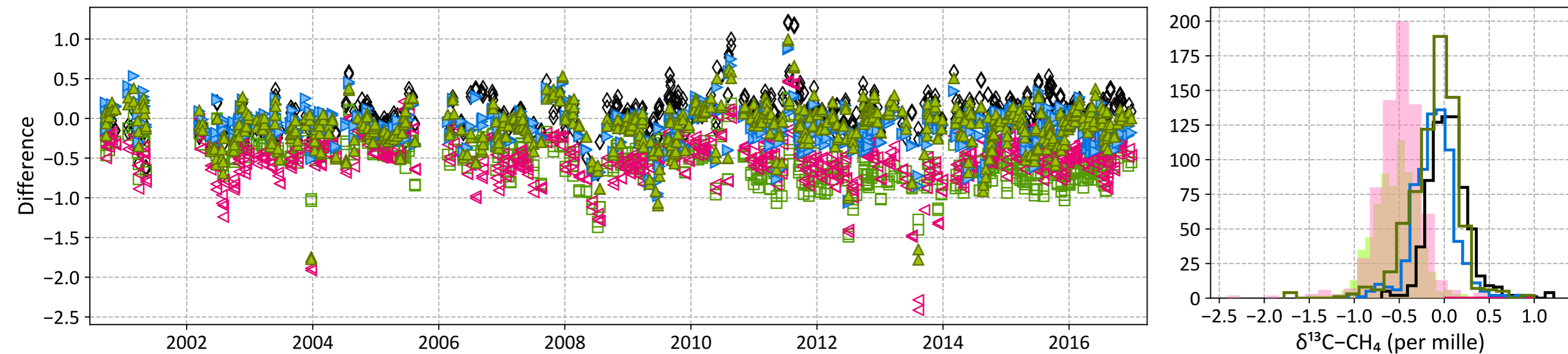
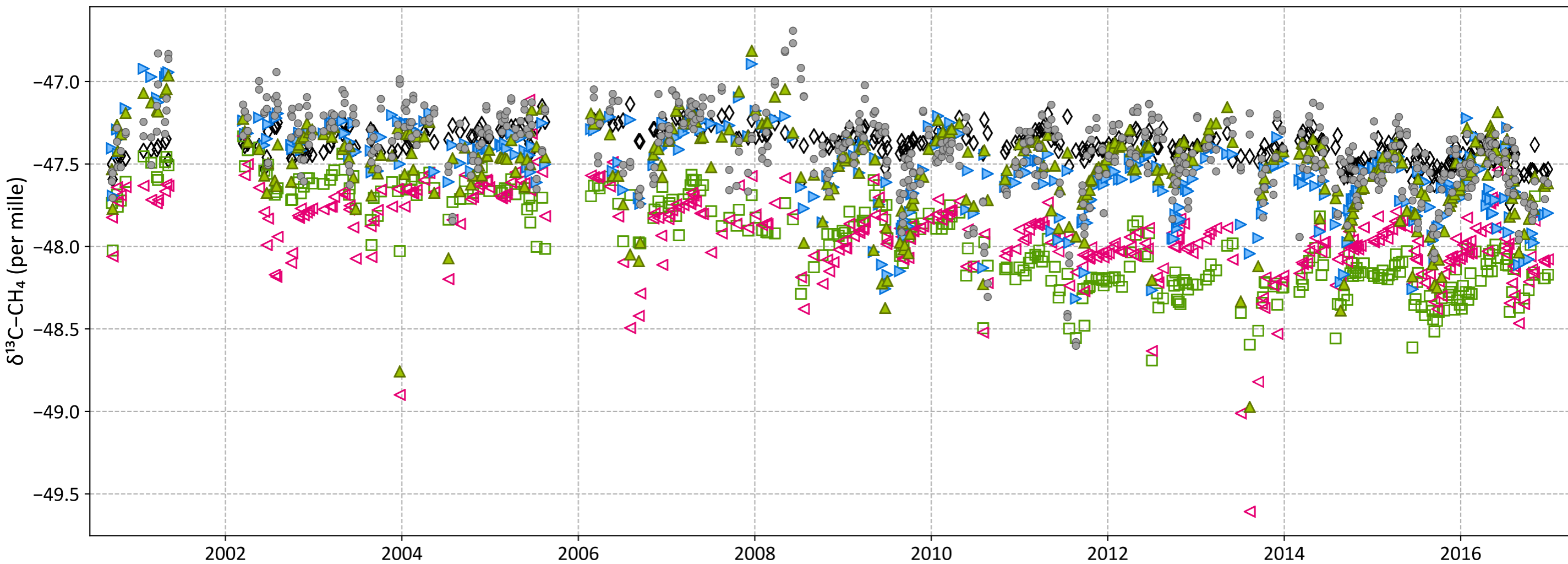
● Observed ◇ Prior ■ CH_4 only (safe) ▲ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{C}$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{C}$ (full)

Tacolneston (NOAA, United Kingdom) (TAC_ch4_surface_event_NOAA)



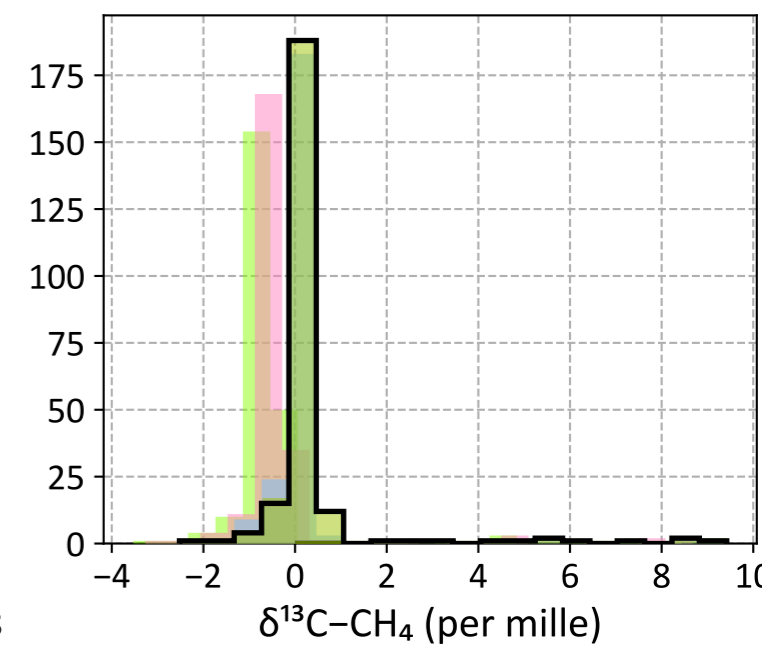
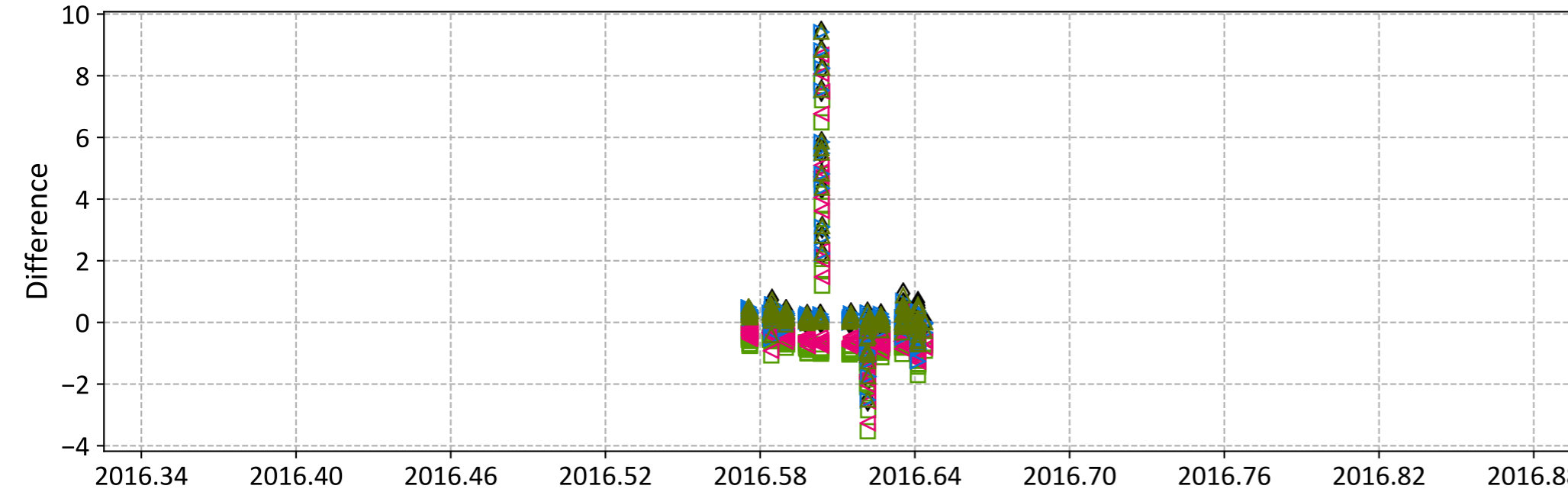
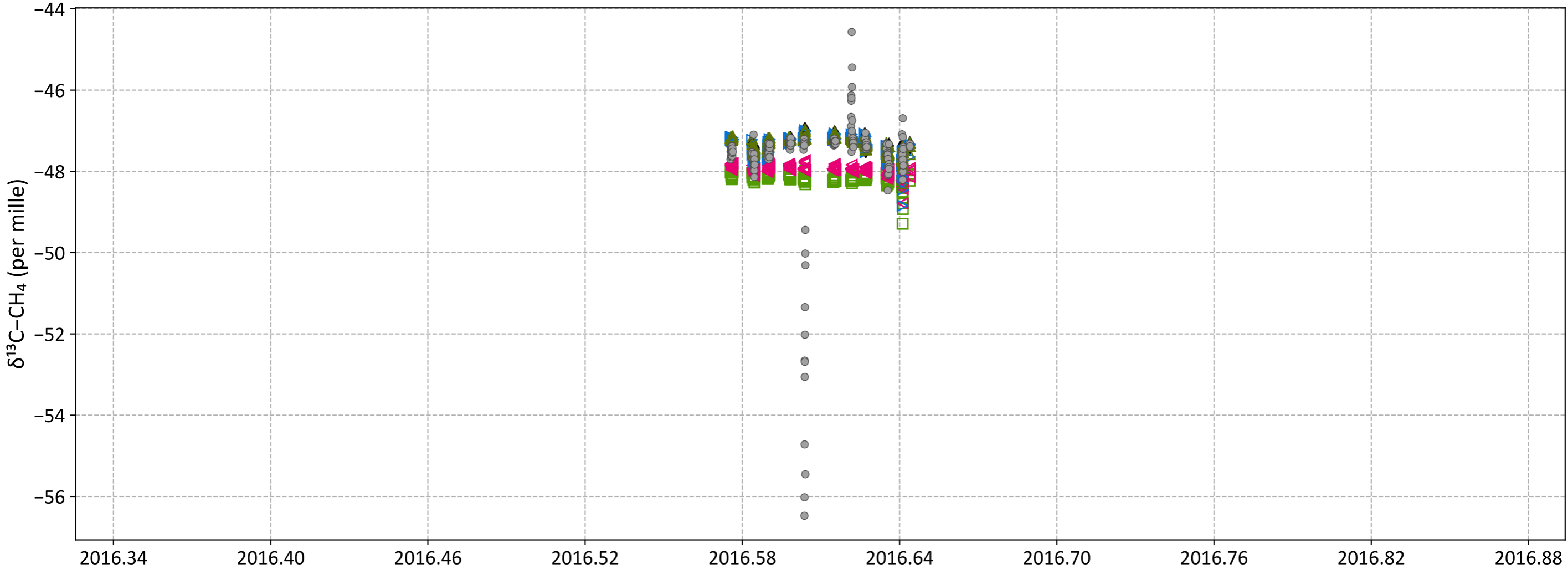
● Observed ◇ Prior ◻ CH₄ only (safe) ◻ CH₄ only (full) ▶ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Tae-ahn Peninsula (NOAA, Republic of Korea) (TAP_ch4_surface_event_NOAA)



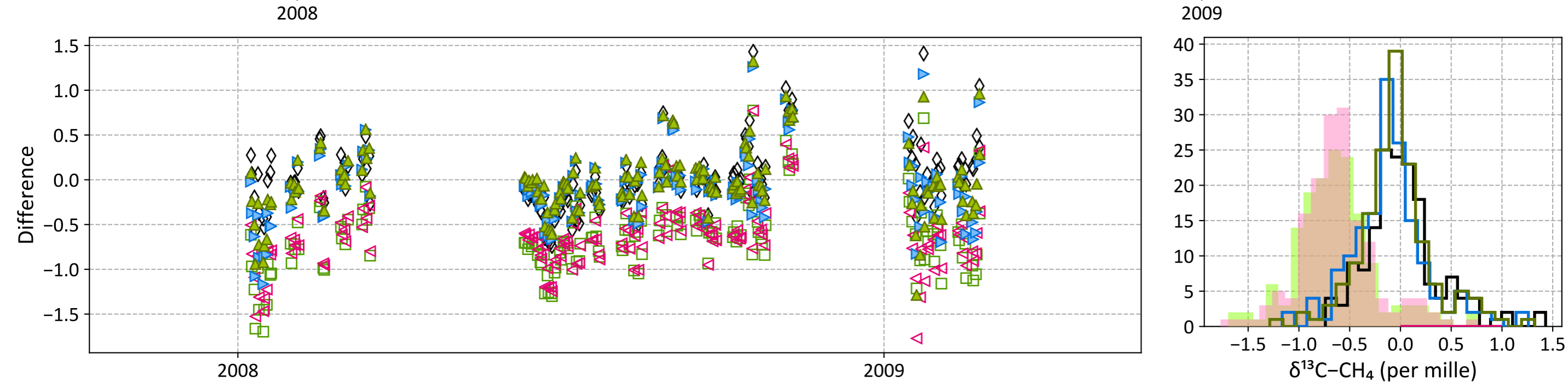
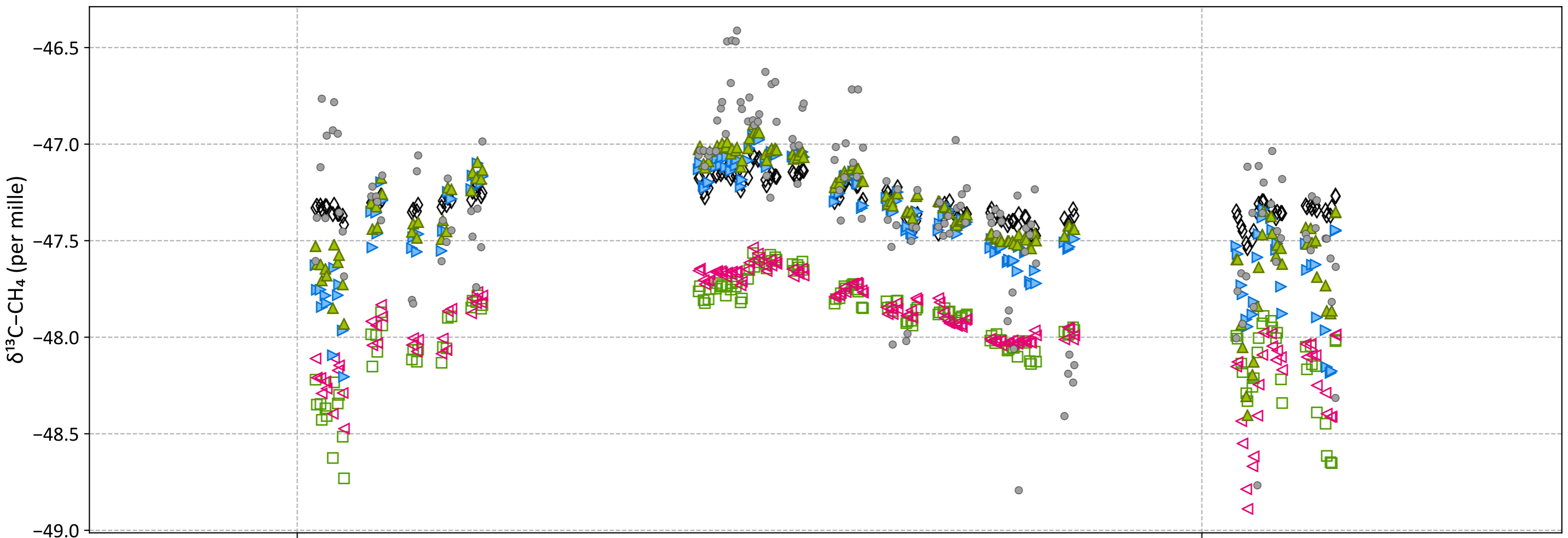
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▲ CH₄+ $\delta^{13}\text{C}$ (safe) ▲ CH₄+ $\delta^{13}\text{C}$ (full)

Atmospheric Tomography Mission (ATom) (NOAA) (TOM_ch4_aircraft_event_NOAA)



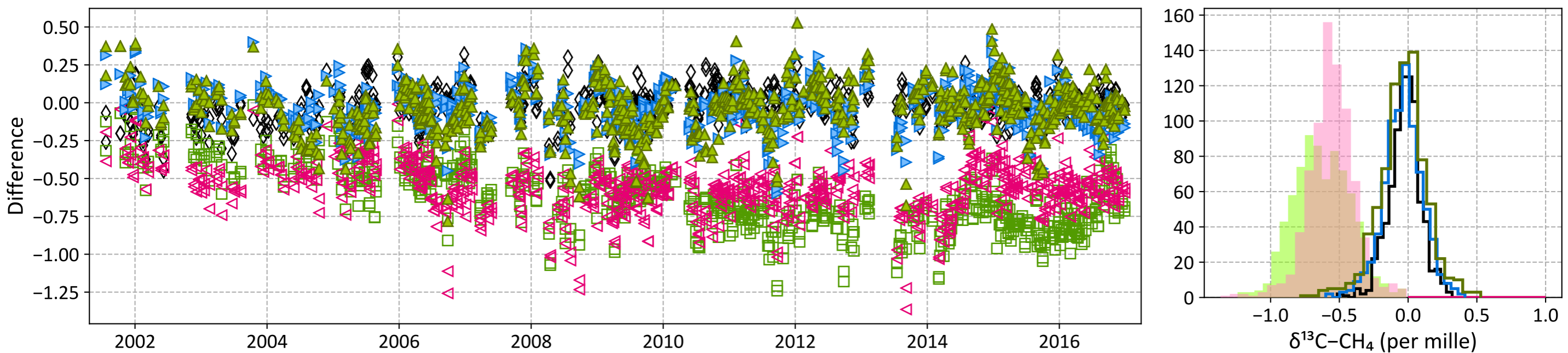
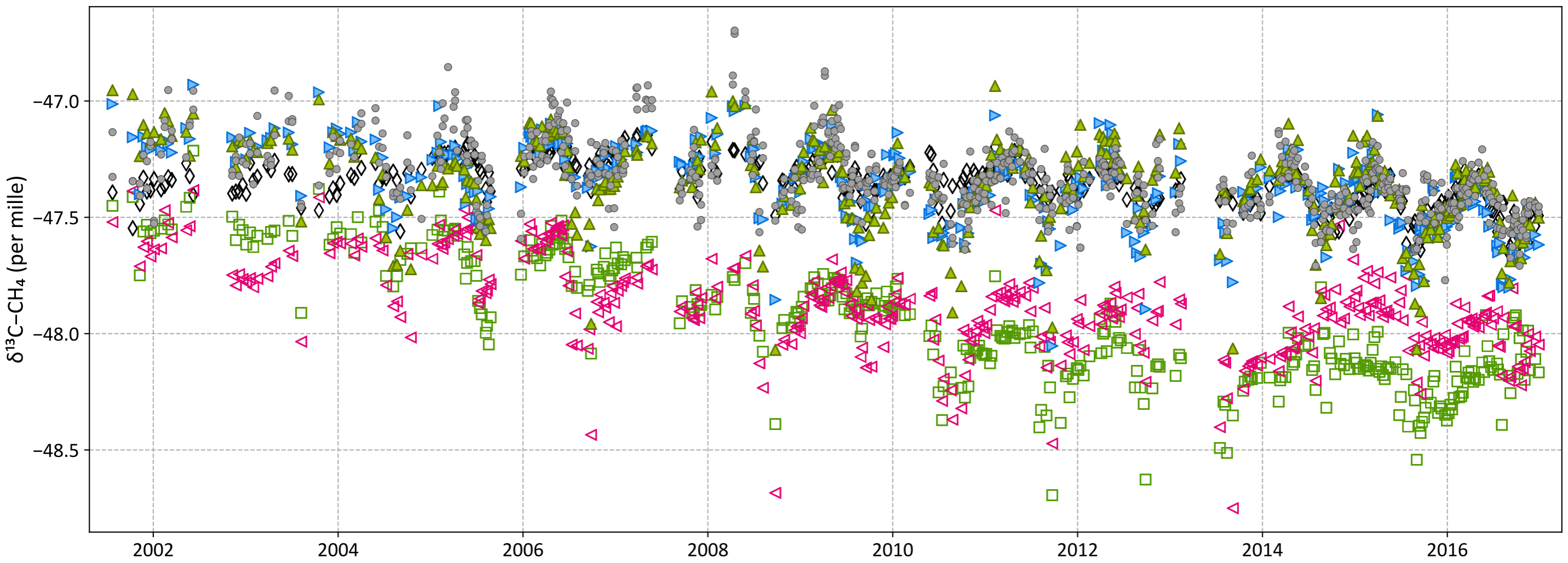
● Observed
◇ Prior
■ CH₄ only (safe)
◀ CH₄ only (full)
▶ CH₄+δ¹³CH₄ (safe)
▲ CH₄+δ¹³CH₄ (full)

Walnut Grove, California (NOAA, United States) level (WGC_ch4_surface_event_NOAA)



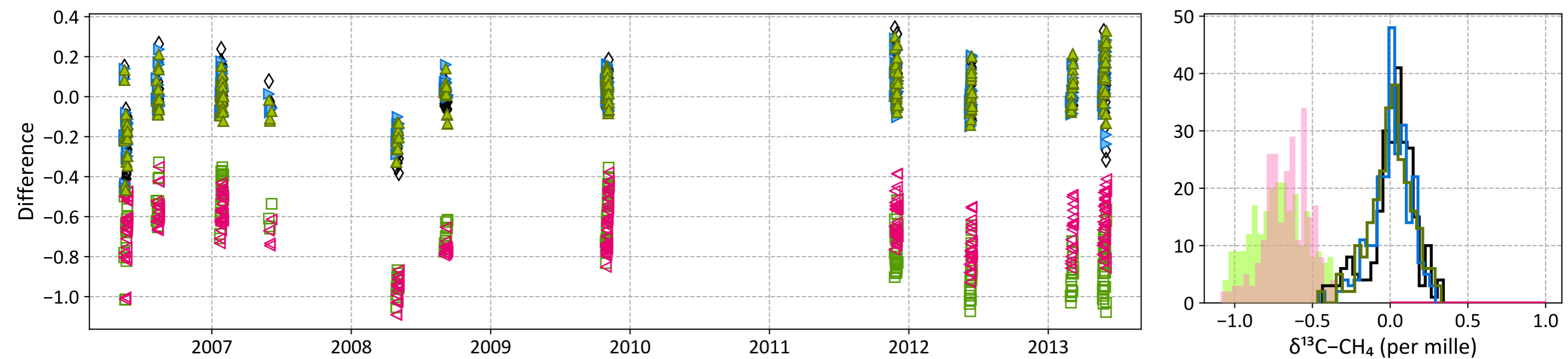
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+ $\delta^{13}\text{C}$ (safe)
 CH₄+ $\delta^{13}\text{C}$ (full)

Mt. Waliguan (NOAA, Peoples Republic of China) level (WLG_ch4_surface_event_NOAA)



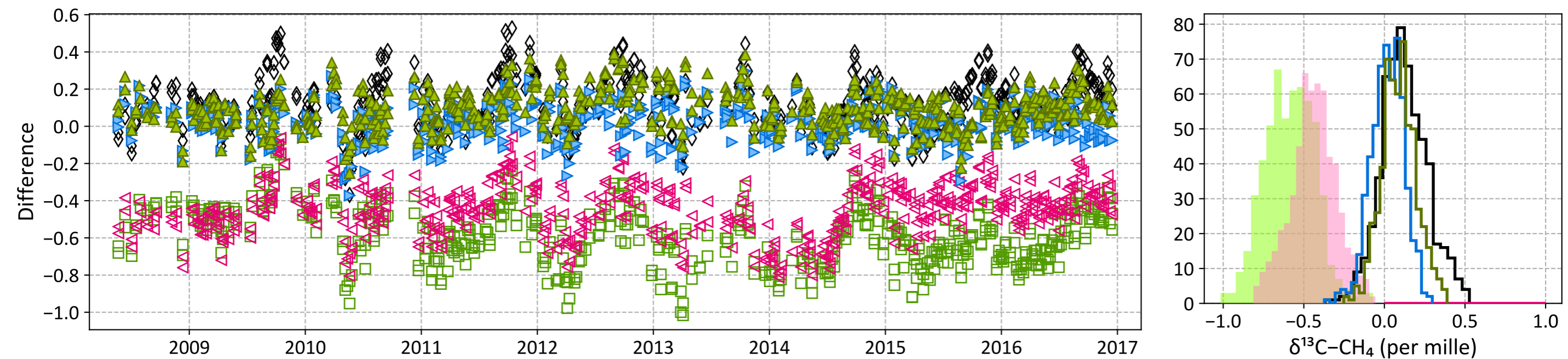
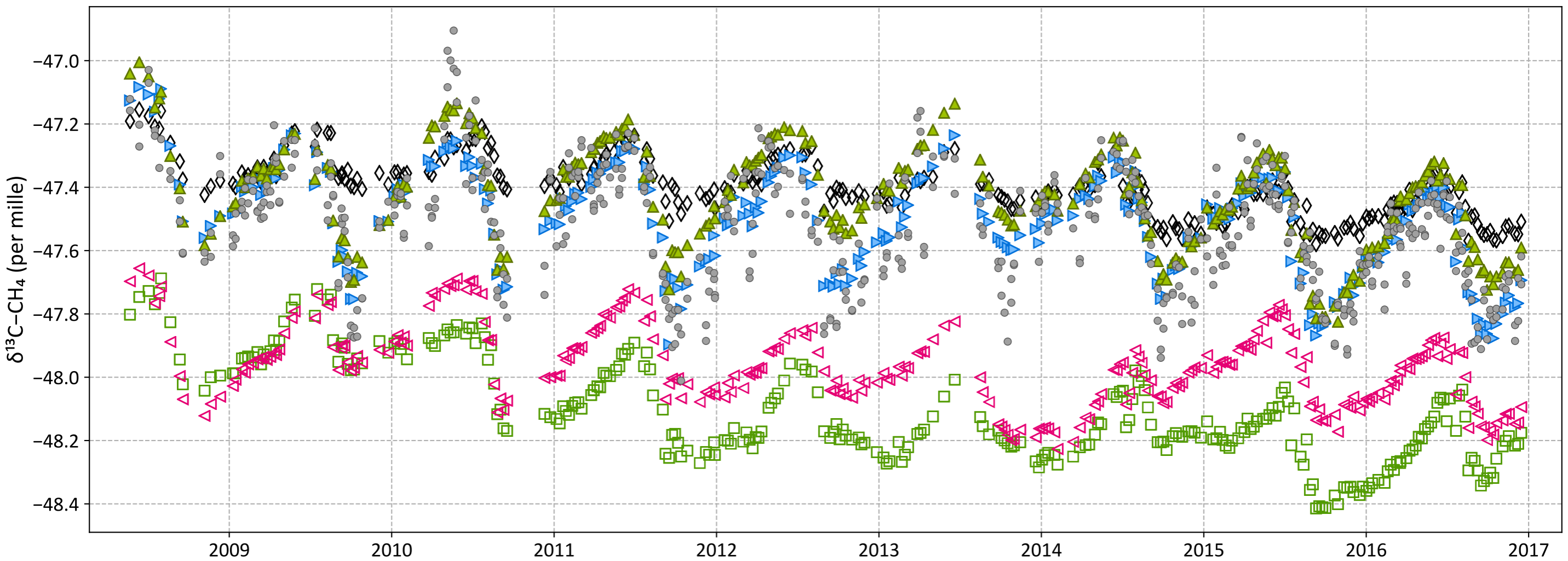
Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)

Western Pacific Cruise (NOAA) (WPC_ch4_surface_event_NOAA)



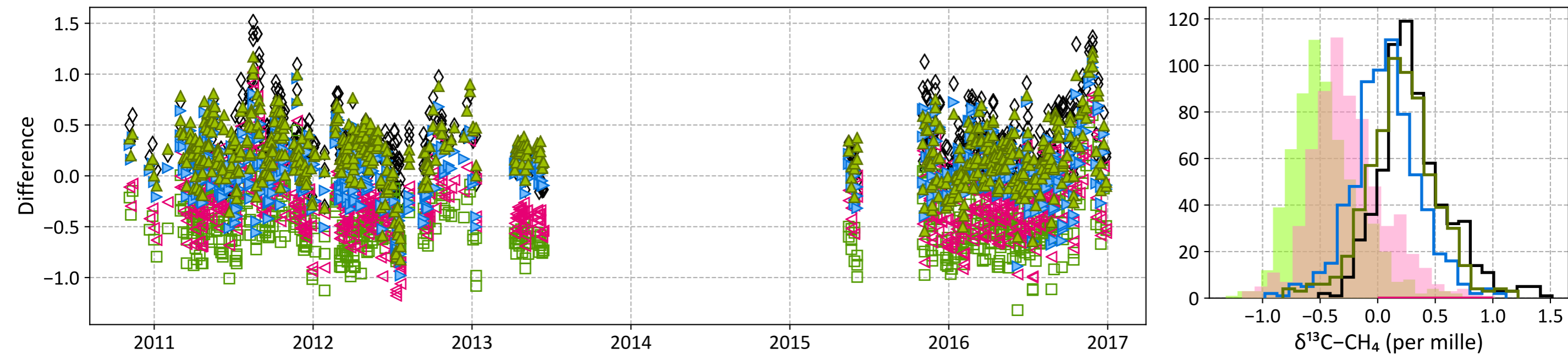
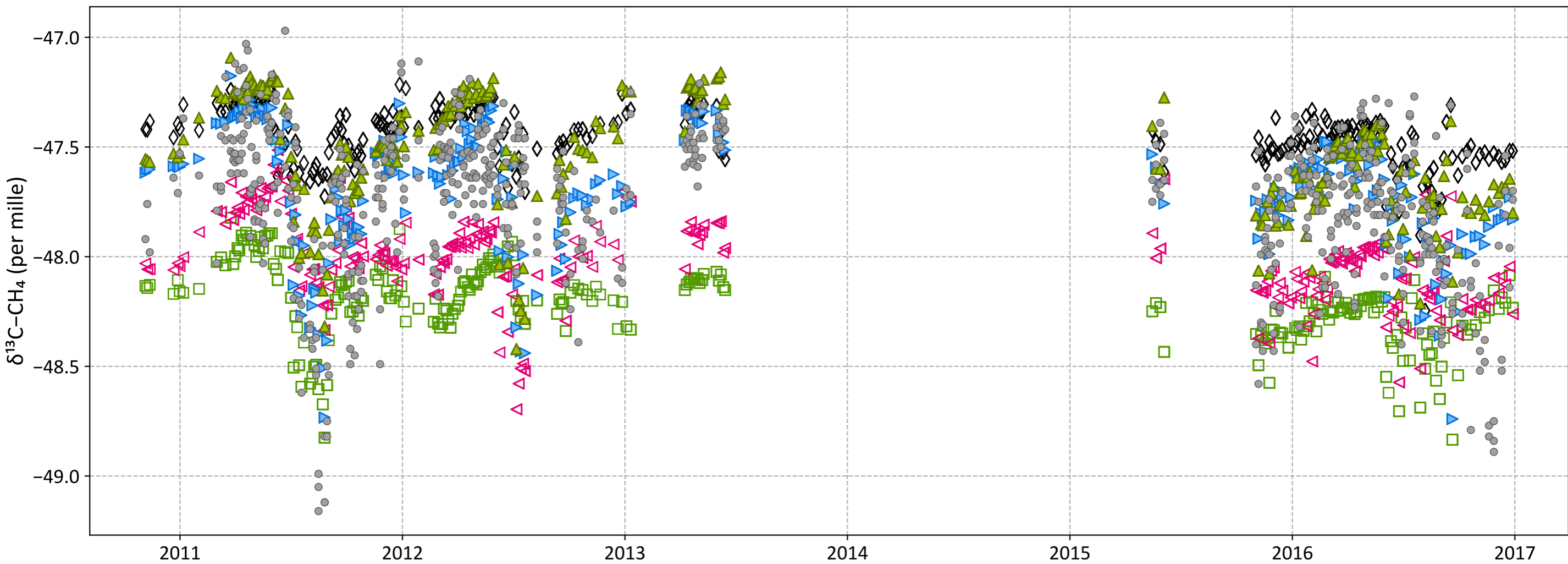
● Observed ◇ Prior ■ CH₄ only (safe) ▲ CH₄ only (full) ▶ CH₄+δ¹³CH₄ (safe) ▲ CH₄+δ¹³CH₄ (full)

Ny-Alesund, Svalbard (NOAA, Norway and Sweden) (ZEP_ch4_surface_event_NOAA)



● Observed ◇ Prior ■ CH_4 only (safe) ◀ CH_4 only (full) ▶ $\text{CH}_4+\delta^{13}\text{CH}_4$ (safe) ▲ $\text{CH}_4+\delta^{13}\text{CH}_4$ (full)

Zotino, Siberia (MPI-BGC, Russia) level (ZOT_ch4_surface_event_MPI-BGC)



Observed
 Prior
 CH₄ only (safe)
 CH₄ only (full)
 CH₄+δ¹³CH₄ (safe)
 CH₄+δ¹³CH₄ (full)