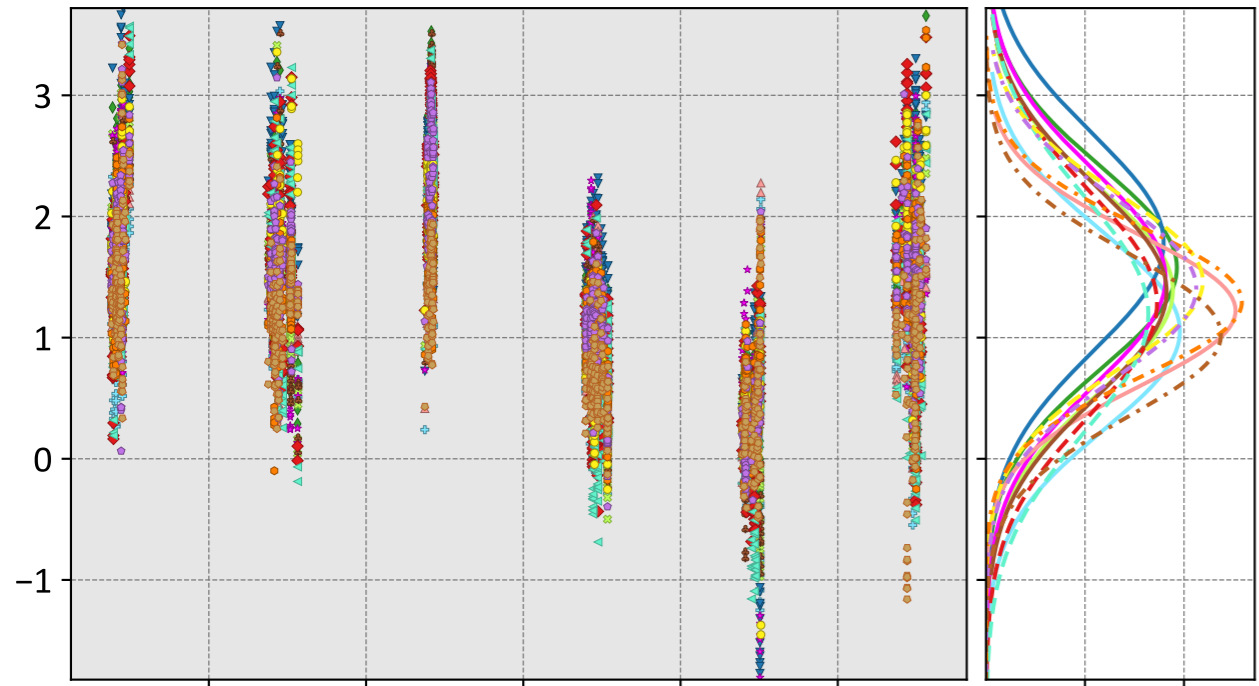


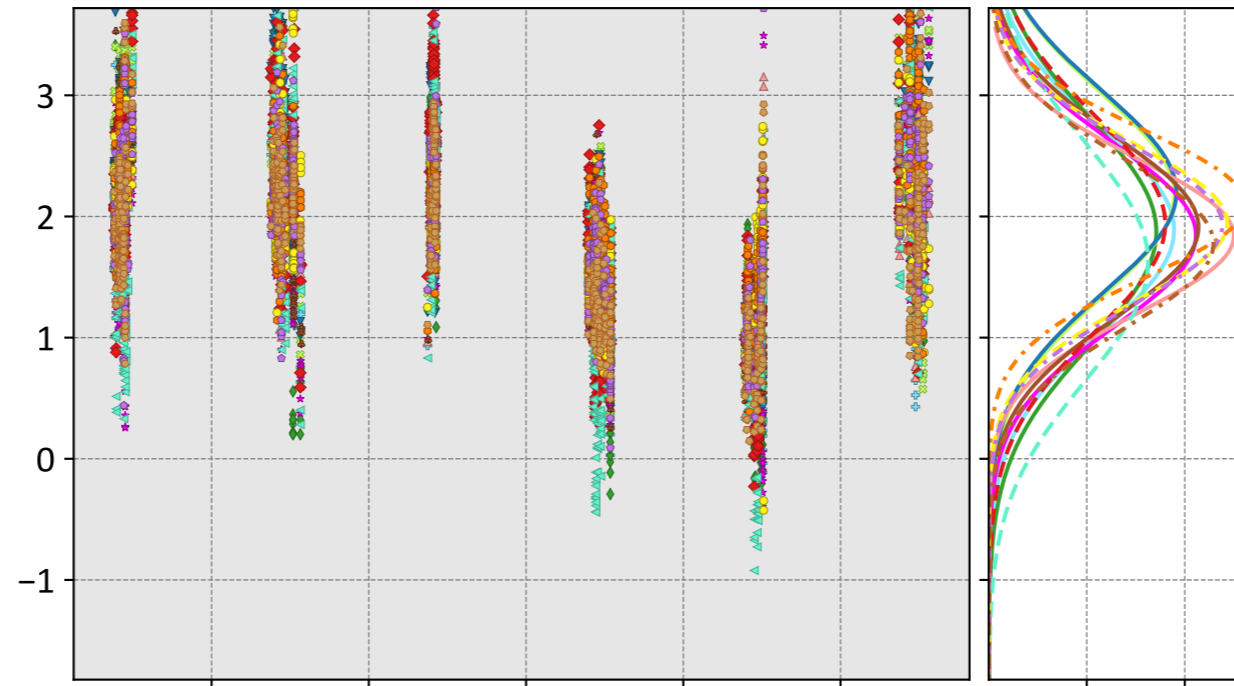
# Ny-Ålesund, Svalbard, Norway

## LNLGIS



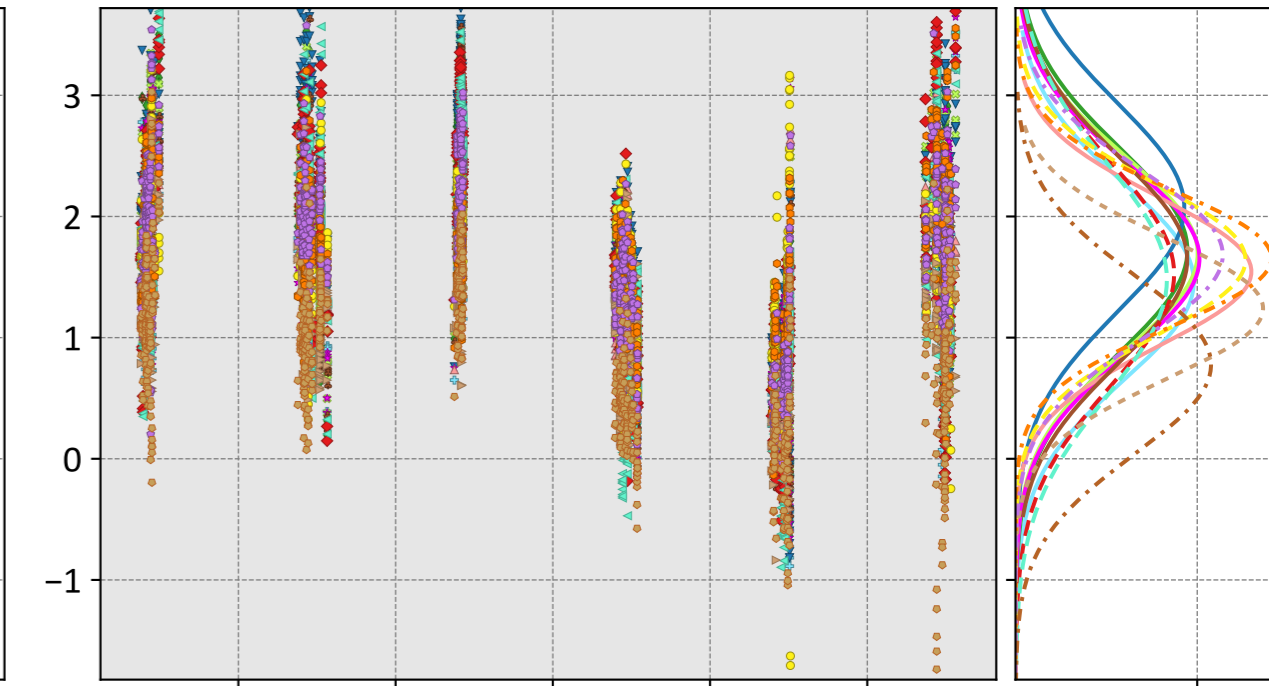
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.05, 1.33, -0.14)      | WOMBAT (1.22, 1.38, -0.13)    | CT (1.46, 1.64, -0.15)    |
| Ames (1.58, 1.78, -0.15)     | JHU (1.38, 1.63, -0.34)       | CAMS (1.30, 1.43, -0.06)  |
| COLA (1.39, 1.63, -0.18)     | TM5-4DVAR (1.28, 1.58, -0.17) | Baker (1.41, 1.60, -0.17) |
| UT (1.78, 1.99, -0.16)       | OU (1.19, 1.54, -0.25)        | NIES (1.02, 1.22, -0.17)  |
| CMS-Flux (1.49, 1.73, -0.16) |                               |                           |

## OG



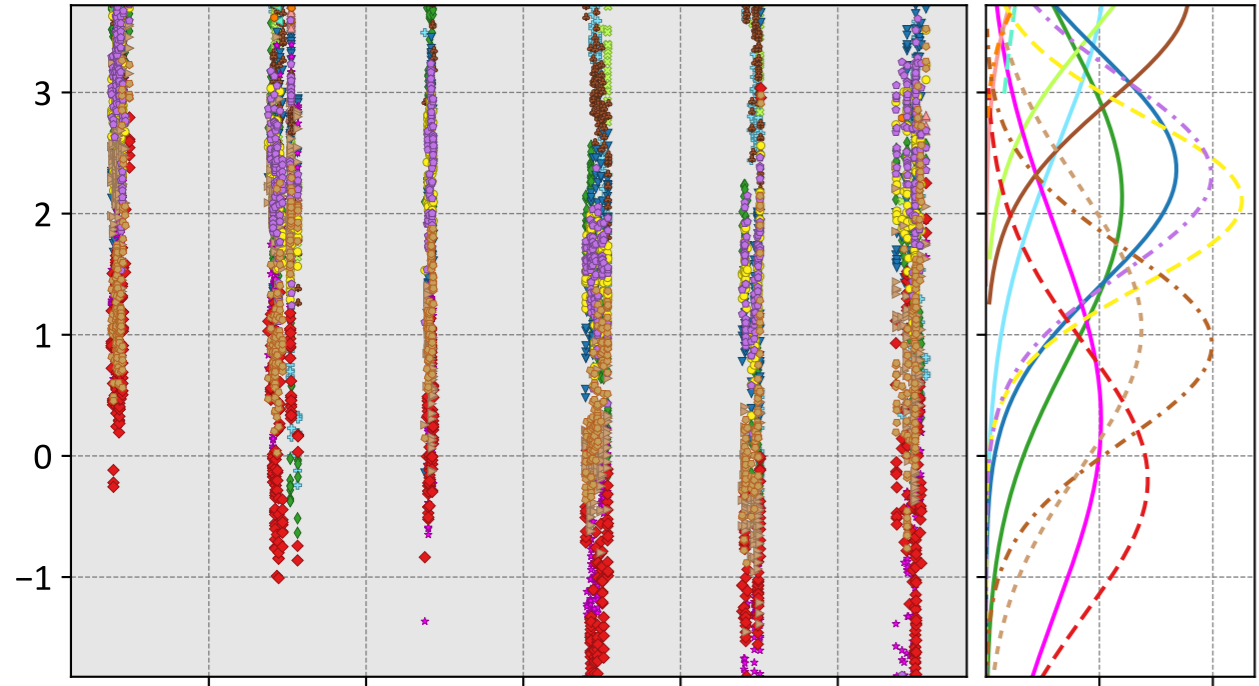
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.89, 2.07, -0.13)      | WOMBAT (1.84, 1.95, -0.11)    | CT (1.95, 2.05, -0.11)    |
| Ames (1.87, 2.09, -0.17)     | JHU (1.91, 2.05, -0.33)       | CAMS (2.10, 2.19, -0.02)  |
| COLA (2.18, 2.33, -0.18)     | TM5-4DVAR (1.94, 2.13, -0.12) | Baker (1.93, 2.04, -0.08) |
| UT (2.20, 2.35, -0.14)       | OU (1.63, 1.90, -0.10)        | NIES (1.78, 1.91, -0.13)  |
| CMS-Flux (1.85, 1.99, -0.06) |                               |                           |

## LNLGOGIS



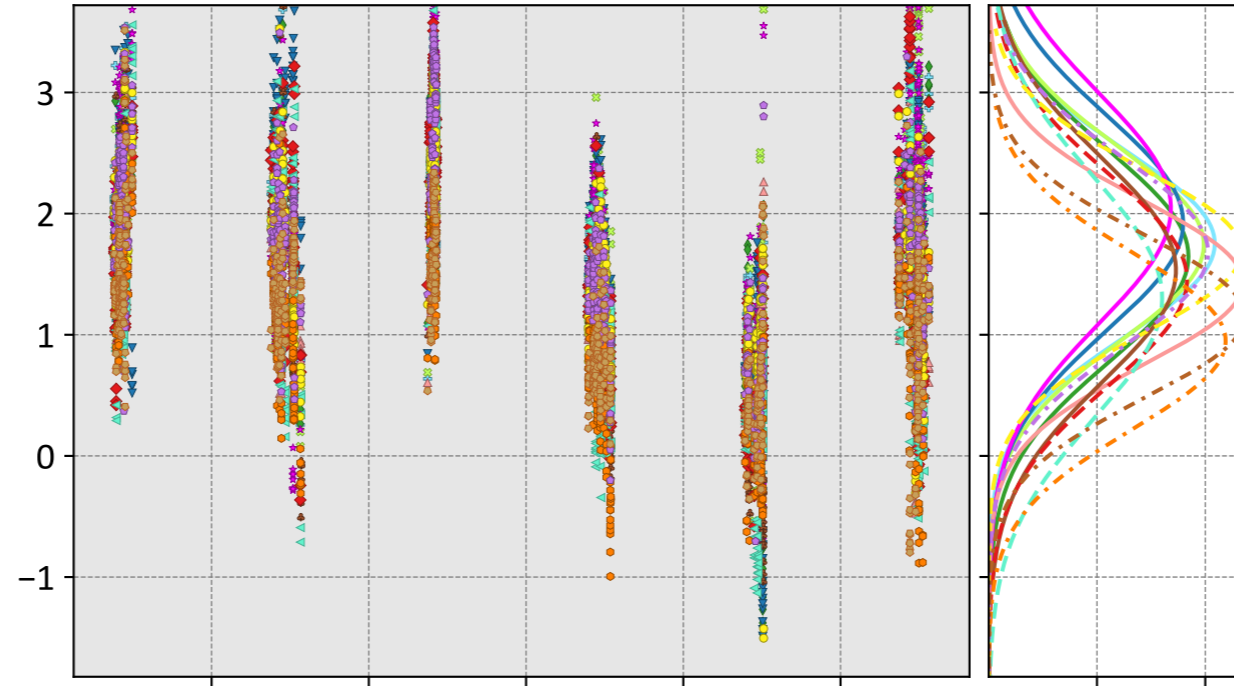
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.46, 1.67, -0.13)      | WOMBAT (1.54, 1.66, -0.10)    | Weir (1.24, 1.37, -0.12)  |
| Ames (1.72, 1.92, -0.15)     | JHU (1.64, 1.85, -0.36)       | CAMS (1.66, 1.75, -0.02)  |
| COLA (1.69, 1.87, -0.13)     | TM5-4DVAR (1.53, 1.78, -0.17) | Baker (1.68, 1.82, -0.14) |
| UT (2.07, 2.24, -0.18)       | OU (1.48, 1.76, -0.18)        | NIES (0.78, 1.07, -0.20)  |
| CMS-Flux (1.65, 1.83, -0.12) | CT (1.64, 1.76, -0.10)        |                           |

## prior



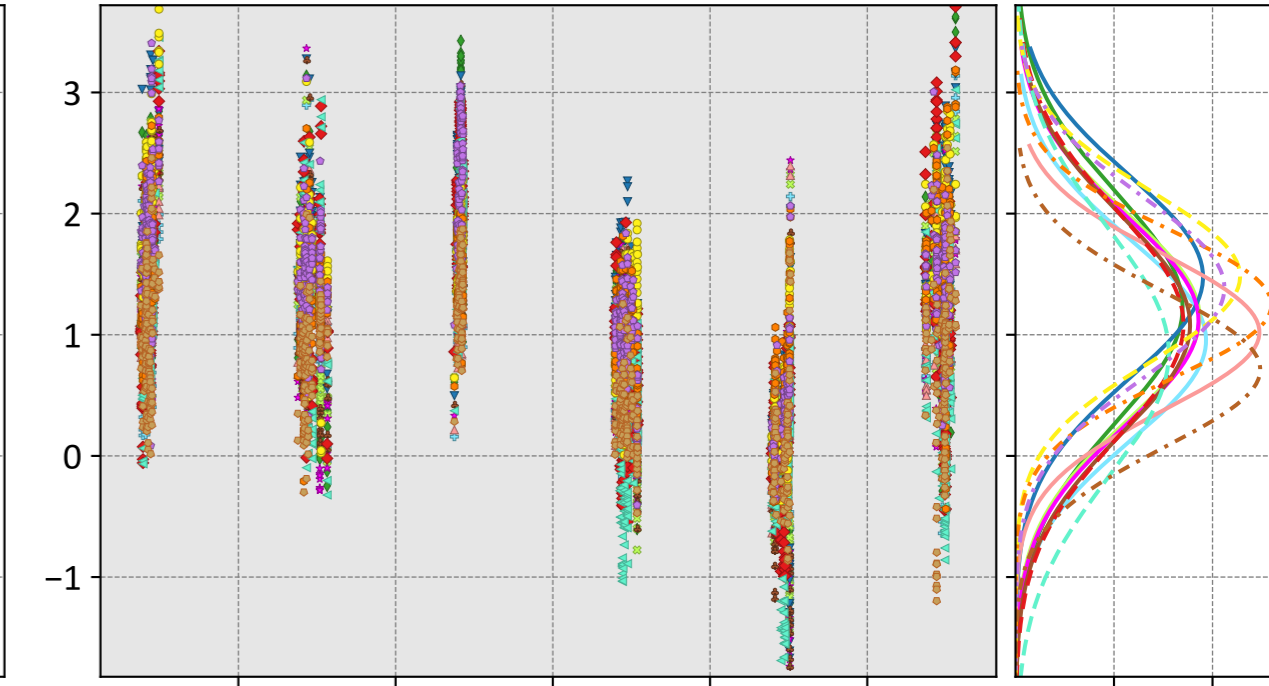
- |                              |                                |                           |
|------------------------------|--------------------------------|---------------------------|
| CSU (4.08, 4.36, -0.41)      | WOMBAT (6.02, 6.14, 0.36)      | Weir (1.05, 1.57, -0.49)  |
| Ames (2.14, 2.52, -0.43)     | JHU (3.82, 3.92, -0.22)        | CAMS (5.43, 5.50, 0.25)   |
| COLA (4.52, 4.64, 0.24)      | TM5-4DVAR (-0.20, 1.14, -0.36) | Baker (2.31, 2.45, -0.20) |
| UT (2.37, 2.55, -0.20)       | OU (7.03, 7.43, 1.24)          | NIES (0.92, 1.22, -0.14)  |
| CMS-Flux (0.30, 1.60, -0.68) | CT (2.11, 2.22, -0.20)         |                           |

## IS



- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.75, 1.91, -0.14)      | WOMBAT (1.43, 1.58, -0.13)    | CT (1.69, 1.82, -0.17)    |
| Ames (1.65, 1.86, -0.16)     | JHU (1.53, 1.79, -0.40)       | CAMS (0.95, 1.20, -0.21)  |
| COLA (1.74, 1.92, 0.03)      | TM5-4DVAR (1.45, 1.70, -0.15) | Baker (1.68, 1.86, -0.18) |
| UT (1.92, 2.12, -0.20)       | OU (1.30, 1.64, -0.25)        | NIES (1.15, 1.33, -0.18)  |
| CMS-Flux (2.04, 2.25, -0.05) |                               |                           |

## LNLG



- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.96, 1.26, -0.13)      | WOMBAT (1.02, 1.21, -0.11)    | CT (1.48, 1.64, -0.14)    |
| Ames (1.23, 1.55, -0.19)     | JHU (1.08, 1.41, -0.39)       | CAMS (1.25, 1.39, -0.04)  |
| COLA (1.14, 1.43, -0.14)     | TM5-4DVAR (1.09, 1.43, -0.16) | Baker (1.39, 1.58, -0.18) |
| UT (1.48, 1.70, -0.13)       | OU (0.85, 1.33, -0.26)        | NIES (0.71, 0.96, -0.12)  |
| CMS-Flux (1.12, 1.41, -0.17) |                               |                           |

Model - TCCON XCO<sub>2</sub> (ppm)