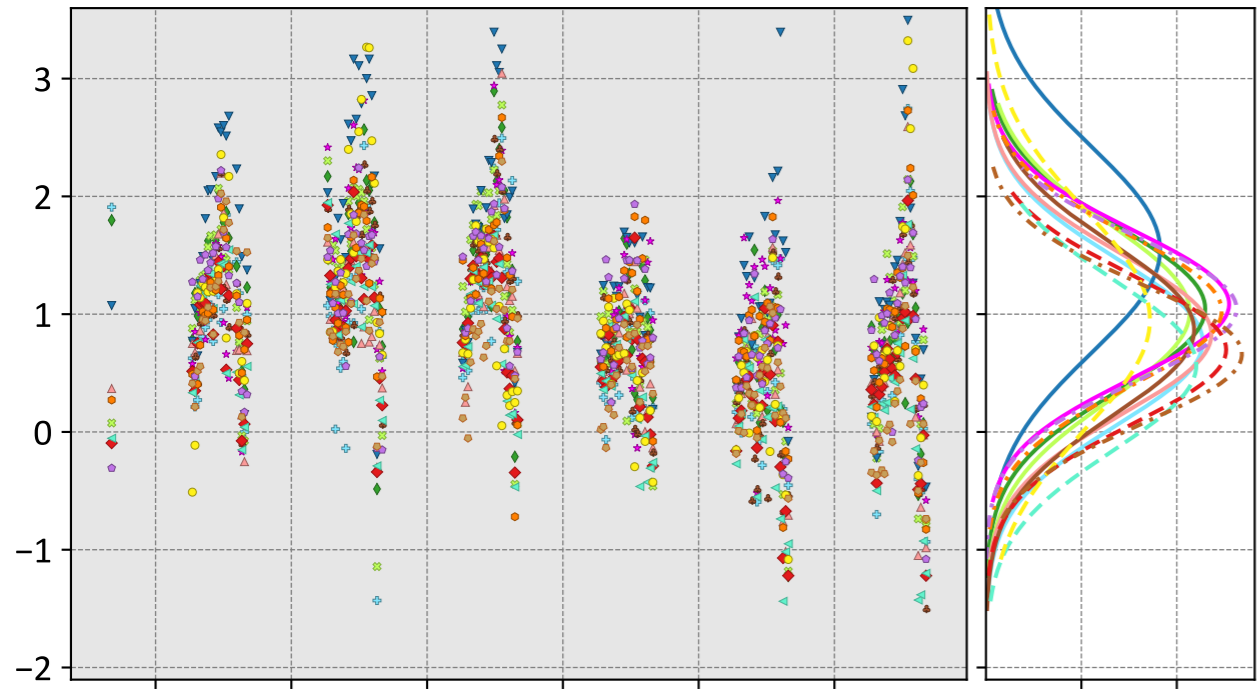


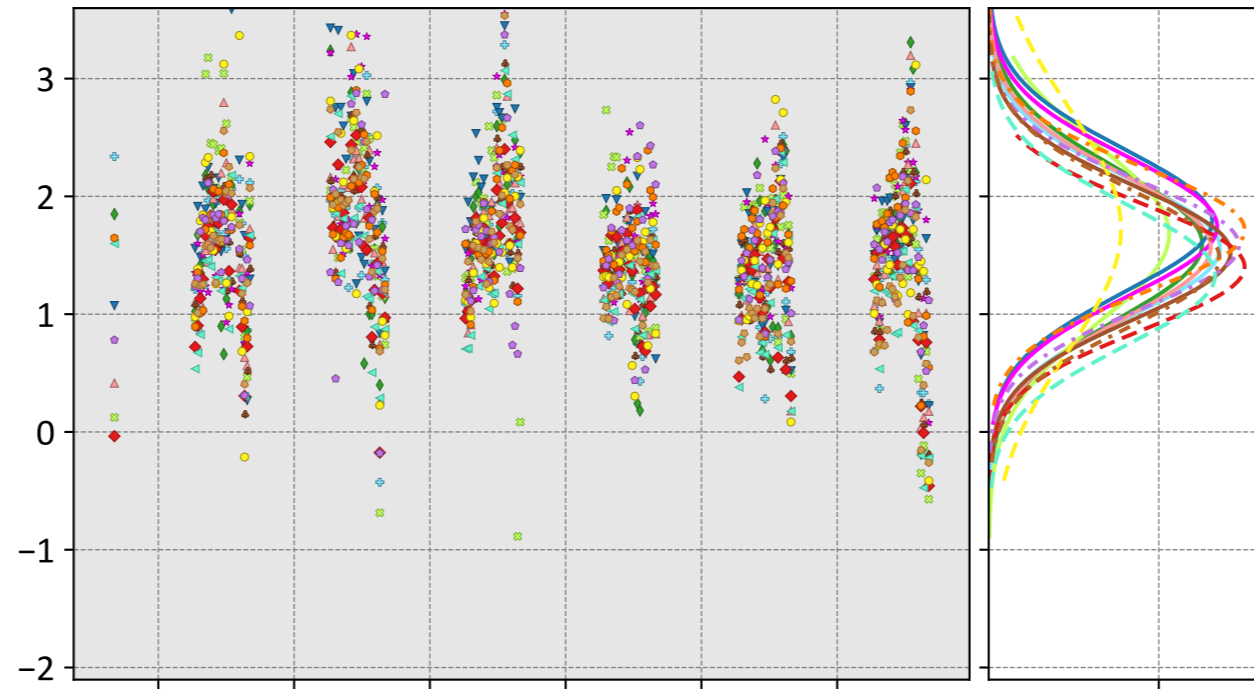
Sodankylä, Lapland, Finland (7 day bins)

LNLGIS



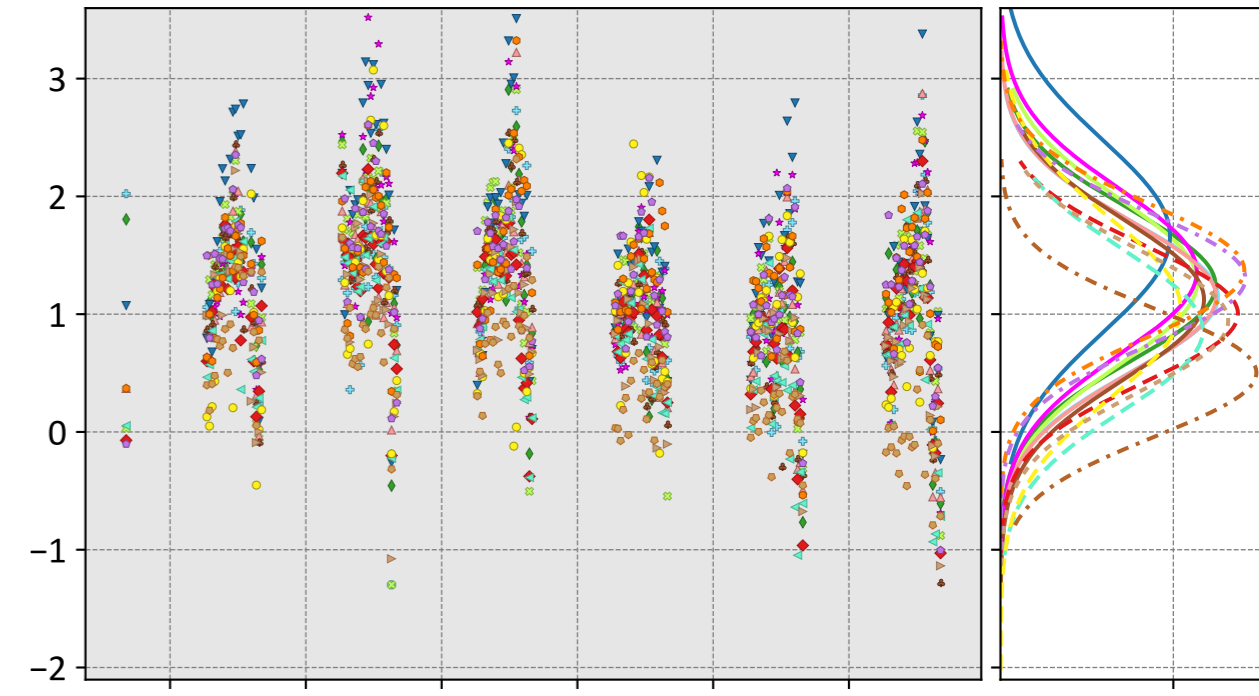
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.76, 1.04, -0.12)      | WOMBAT (0.83, 1.07, -0.13)    | CT (0.95, 1.33, -0.18)    |
| Ames (1.05, 1.26, -0.19)     | JHU (0.87, 1.13, -0.17)       | CAMS (1.03, 1.21, -0.10)  |
| COLA (1.02, 1.26, -0.16)     | TM5-4DVAR (0.70, 0.94, -0.16) | Baker (1.05, 1.21, -0.11) |
| UT (1.55, 1.78, -0.17)       | OU (0.57, 0.92, -0.21)        | NIES (0.66, 0.89, -0.21)  |
| CMS-Flux (1.09, 1.25, -0.07) |                               |                           |

OG



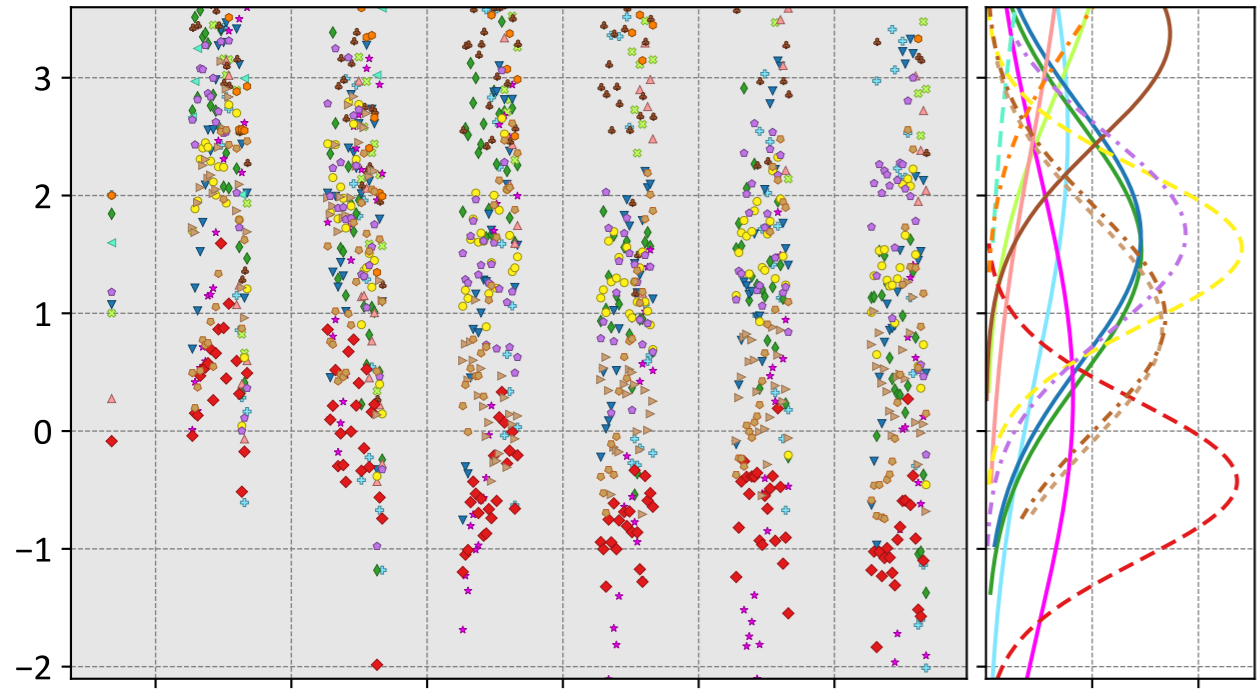
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.56, 1.67, -0.10)      | WOMBAT (1.57, 1.68, -0.07)    | CT (1.72, 2.01, -0.14)    |
| Ames (1.59, 1.72, -0.04)     | JHU (1.52, 1.62, -0.06)       | CAMS (1.71, 1.79, -0.01)  |
| COLA (1.68, 1.84, -0.10)     | TM5-4DVAR (1.40, 1.50, -0.07) | Baker (1.58, 1.67, -0.01) |
| UT (1.79, 1.89, -0.10)       | OU (1.33, 1.46, -0.07)        | NIES (1.48, 1.59, -0.15)  |
| CMS-Flux (1.74, 1.84, -0.01) |                               |                           |

LNLGOGIS



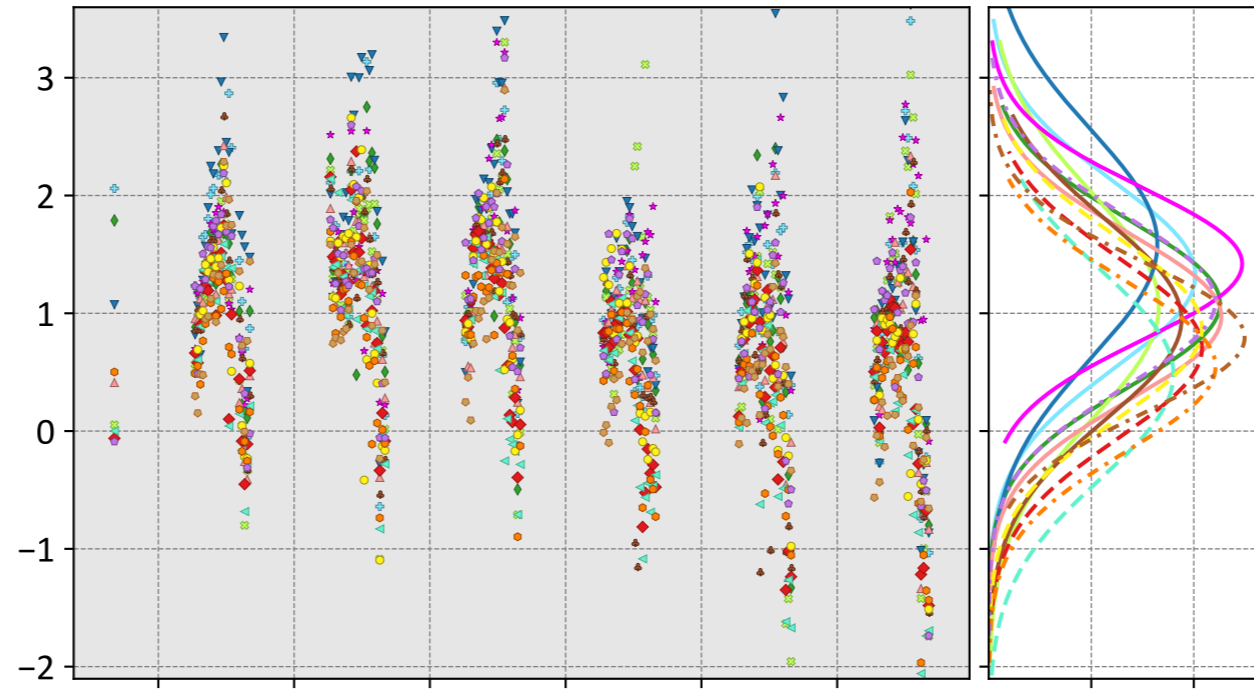
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (1.15, 1.31, -0.10)      | WOMBAT (1.15, 1.31, -0.09)    | Weir (0.94, 1.12, -0.13)  |
| Ames (1.24, 1.40, -0.13)     | JHU (1.12, 1.31, -0.14)       | CAMS (1.37, 1.49, -0.04)  |
| COLA (1.28, 1.45, -0.09)     | TM5-4DVAR (1.00, 1.16, -0.09) | Baker (1.30, 1.42, -0.08) |
| UT (1.66, 1.85, -0.14)       | OU (0.86, 1.10, -0.16)        | NIES (0.50, 0.74, -0.20)  |
| CMS-Flux (1.36, 1.53, -0.07) | CT (1.05, 1.30, -0.07)        |                           |

prior



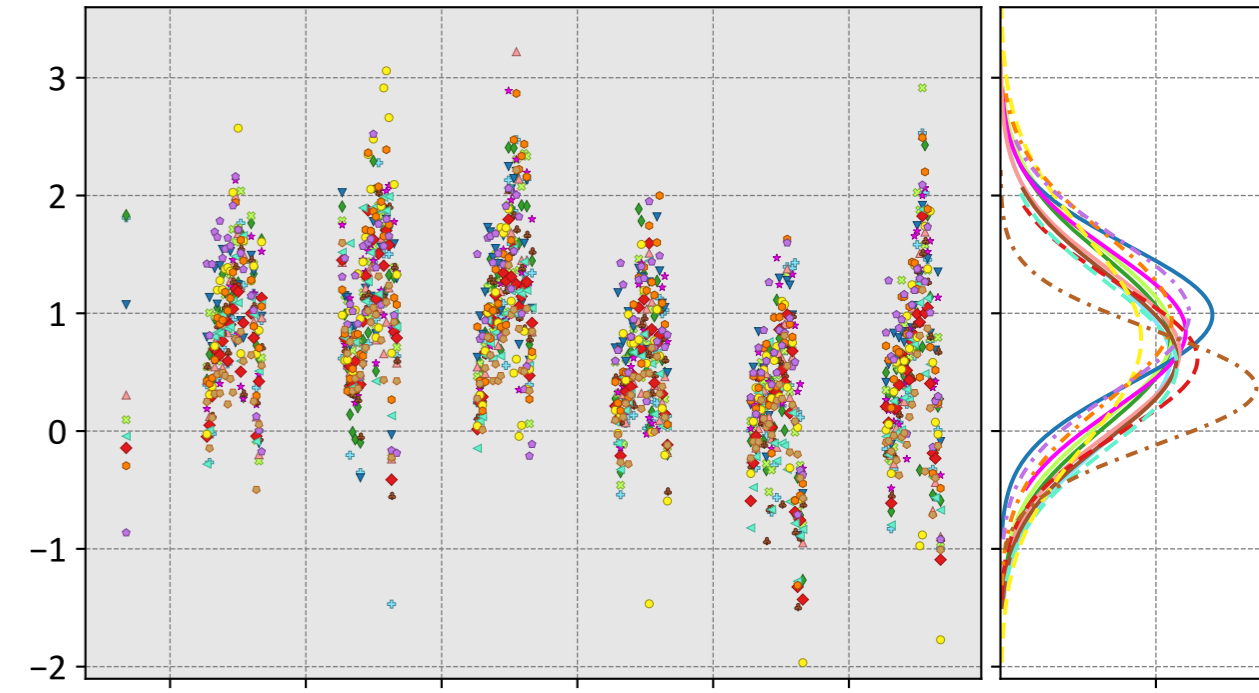
- |                              |                                |                           |
|------------------------------|--------------------------------|---------------------------|
| CSU (2.54, 3.28, -0.25)      | WOMBAT (4.66, 5.15, 0.49)      | Weir (0.87, 1.30, -0.39)  |
| Ames (1.53, 1.88, -0.34)     | JHU (3.37, 3.50, 0.17)         | CAMS (4.53, 4.67, 0.36)   |
| COLA (4.33, 4.57, 0.35)      | TM5-4DVAR (-0.43, 0.80, -0.27) | Baker (1.67, 1.88, -0.10) |
| UT (1.66, 1.99, -0.15)       | OU (6.80, 7.22, 1.32)          | NIES (0.96, 1.35, -0.16)  |
| CMS-Flux (0.29, 1.97, -0.69) | CT (1.55, 1.69, -0.14)         |                           |

IS



- |                             |                               |                           |
|-----------------------------|-------------------------------|---------------------------|
| CSU (1.32, 1.54, -0.14)     | WOMBAT (0.97, 1.20, -0.12)    | CT (0.87, 1.16, -0.16)    |
| Ames (1.08, 1.29, -0.16)    | JHU (0.95, 1.27, -0.18)       | CAMS (0.55, 0.91, -0.16)  |
| COLA (1.06, 1.43, -0.09)    | TM5-4DVAR (0.71, 1.04, -0.17) | Baker (1.10, 1.32, -0.12) |
| UT (1.59, 1.86, -0.19)      | OU (0.48, 1.01, -0.24)        | NIES (0.79, 1.02, -0.20)  |
| CMS-Flux (1.42, 1.56, 0.02) |                               |                           |

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- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.62, 0.96, -0.11)      | WOMBAT (0.67, 0.97, -0.12)    | CT (0.78, 1.18, -0.24)    |
| Ames (0.76, 1.05, -0.17)     | JHU (0.63, 0.94, -0.16)       | CAMS (0.96, 1.20, -0.09)  |
| COLA (0.81, 1.09, -0.13)     | TM5-4DVAR (0.61, 0.88, -0.13) | Baker (0.99, 1.19, -0.11) |
| UT (0.98, 1.15, -0.10)       | OU (0.55, 0.89, -0.19)        | NIES (0.37, 0.61, -0.12)  |
| CMS-Flux (0.85, 1.08, -0.08) |                               |                           |

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