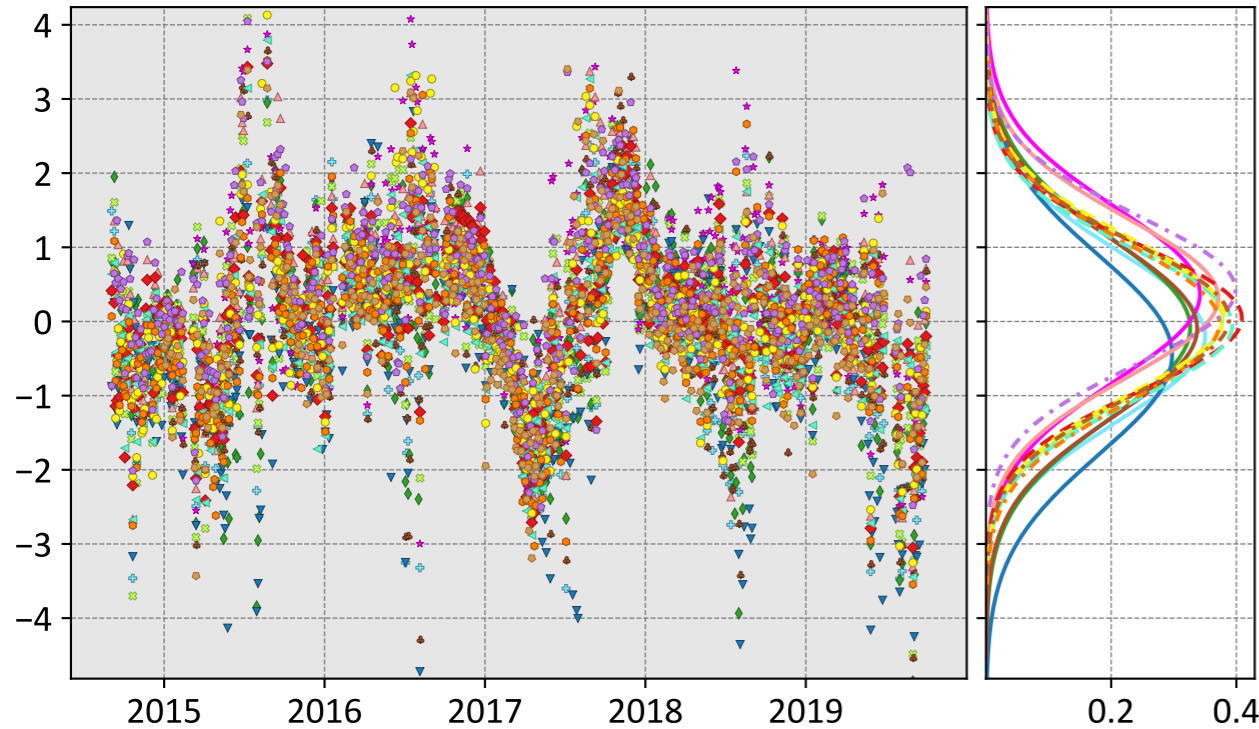


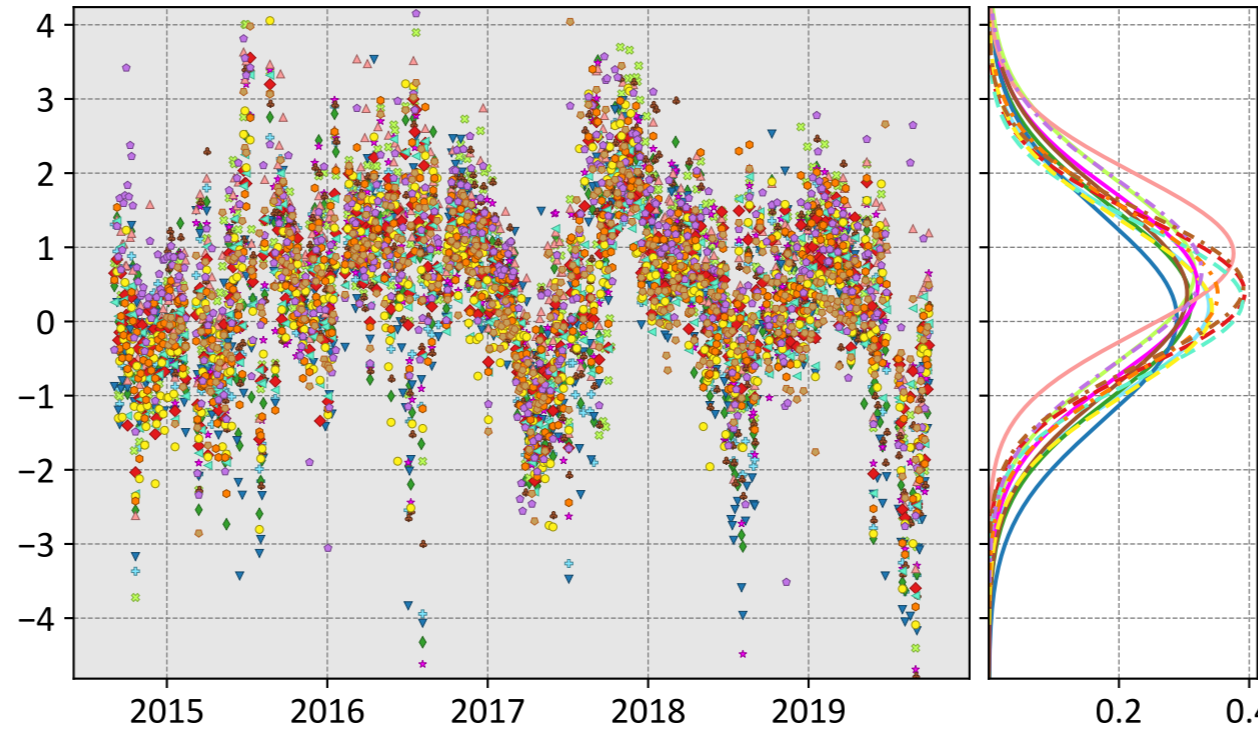
Tsukuba, Ibaraki, Japan (125HR) (3 day bins)

LNLGIS



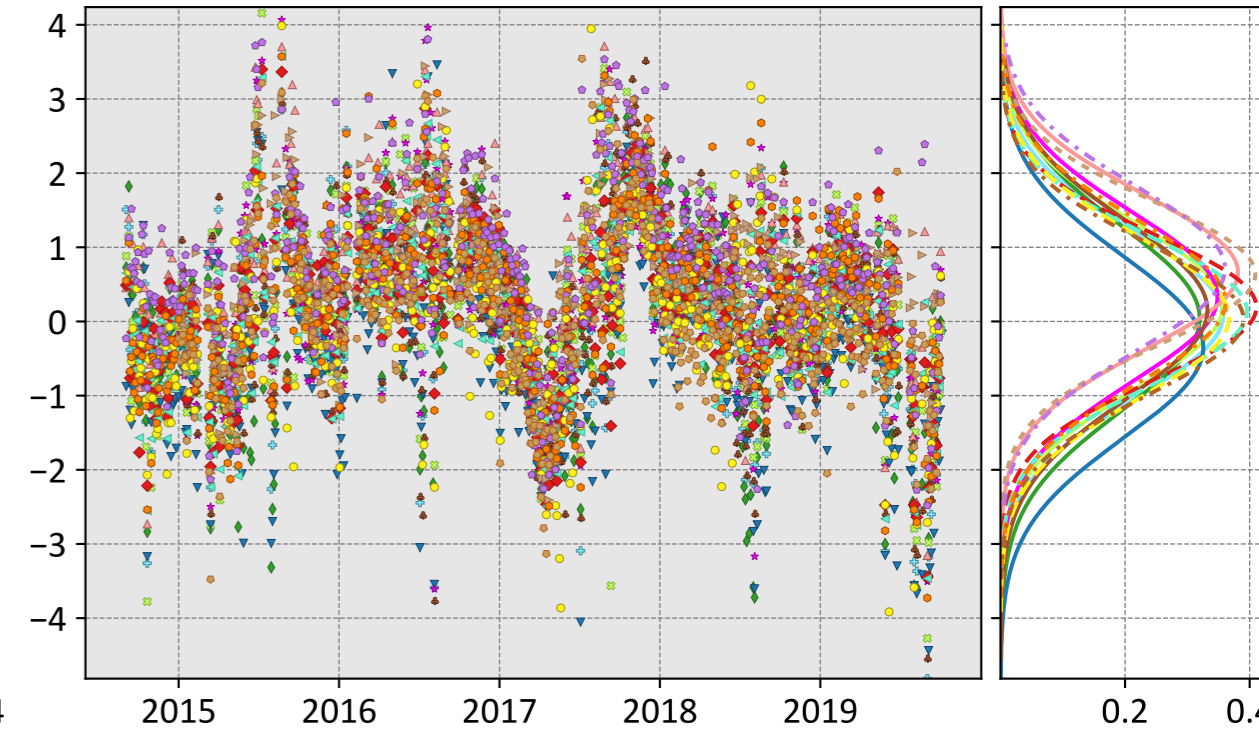
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (-0.20, 1.16, -0.09)     | WOMBAT (0.32, 1.12, -0.08)    | CT (0.07, 1.05, -0.04)    |
| Ames (-0.09, 1.23, -0.04)    | JHU (-0.10, 1.19, -0.11)      | CAMS (-0.02, 1.07, 0.05)  |
| COLA (0.04, 1.06, -0.01)     | TM5-4DVAR (0.05, 0.98, -0.02) | Baker (0.43, 1.09, -0.03) |
| UT (-0.45, 1.42, -0.06)      | OU (-0.05, 1.01, -0.03)       | NIES (0.04, 1.03, -0.11)  |
| CMS-Flux (0.37, 1.22, -0.04) |                               |                           |

OG



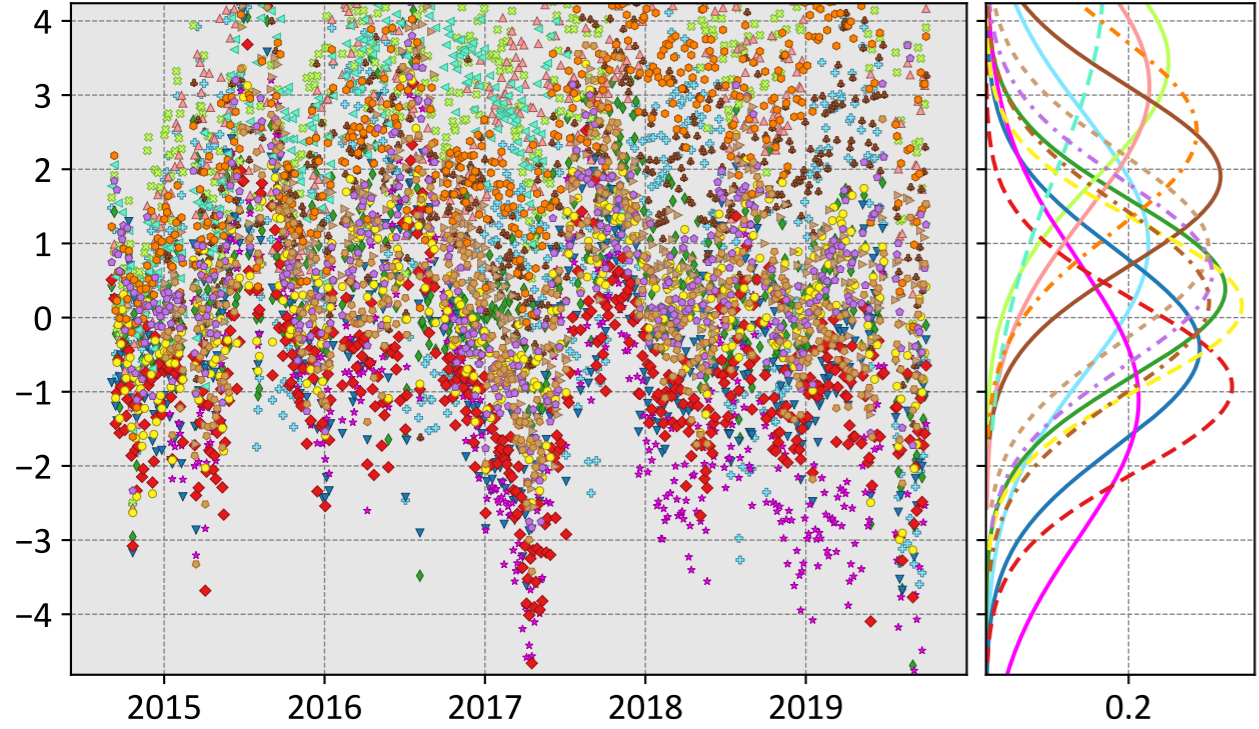
- |                              |                              |                           |
|------------------------------|------------------------------|---------------------------|
| CSU (0.21, 1.20, -0.06)      | WOMBAT (0.92, 1.40, -0.07)   | CT (0.17, 1.18, 0.04)     |
| Ames (0.26, 1.31, -0.05)     | JHU (0.38, 1.36, -0.17)      | CAMS (0.37, 1.19, 0.06)   |
| COLA (0.67, 1.43, 0.03)      | TM5-4DVAR (0.39, 1.09, 0.02) | Baker (0.68, 1.40, -0.05) |
| UT (0.05, 1.38, -0.04)       | OU (0.28, 1.06, -0.02)       | NIES (0.46, 1.12, -0.14)  |
| CMS-Flux (0.48, 1.33, -0.11) |                              |                           |

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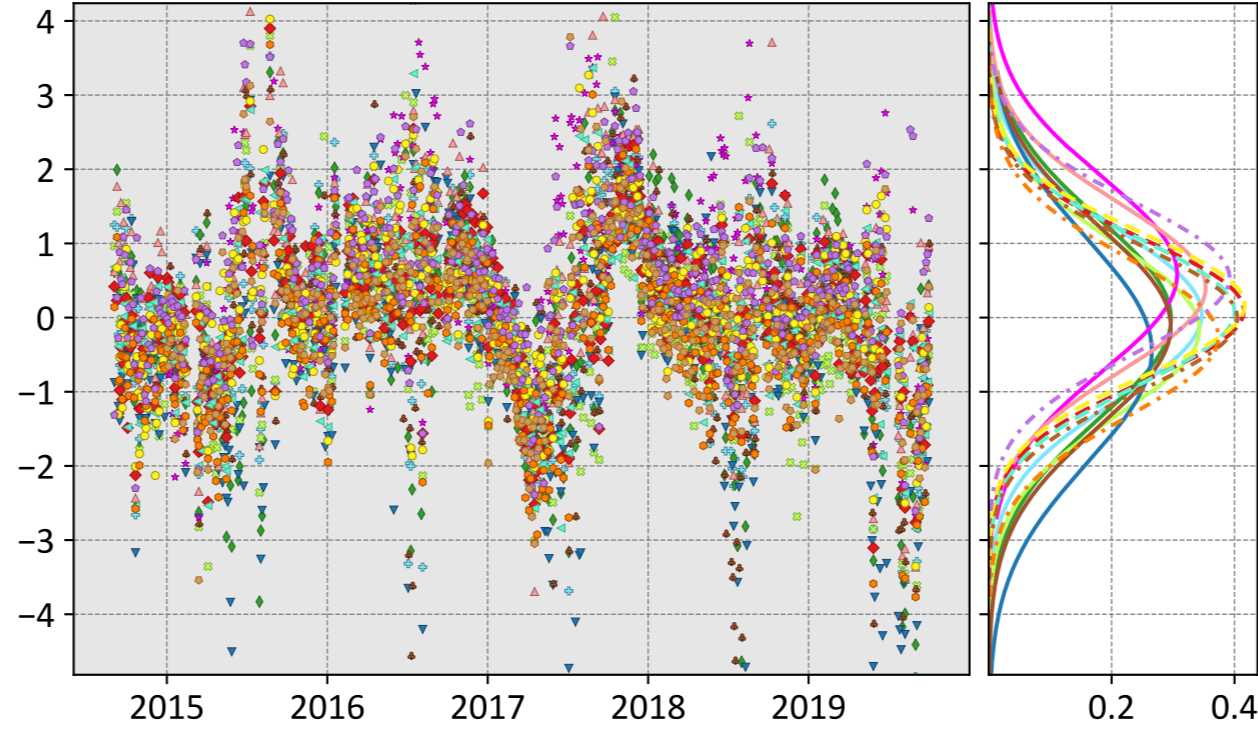
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.08, 1.12, -0.07)      | WOMBAT (0.66, 1.24, -0.06)    | Weir (0.64, 1.16, -0.04)  |
| Ames (0.04, 1.25, -0.04)     | JHU (0.15, 1.21, -0.11)       | CAMS (0.27, 1.14, 0.05)   |
| COLA (0.21, 1.14, 0.00)      | TM5-4DVAR (0.19, 0.99, -0.00) | Baker (0.71, 1.32, -0.04) |
| UT (-0.35, 1.27, -0.06)      | OU (0.14, 1.02, -0.00)        | NIES (0.03, 1.02, -0.11)  |
| CMS-Flux (0.33, 1.19, -0.07) | CT (0.05, 1.09, 0.04)         |                           |

prior



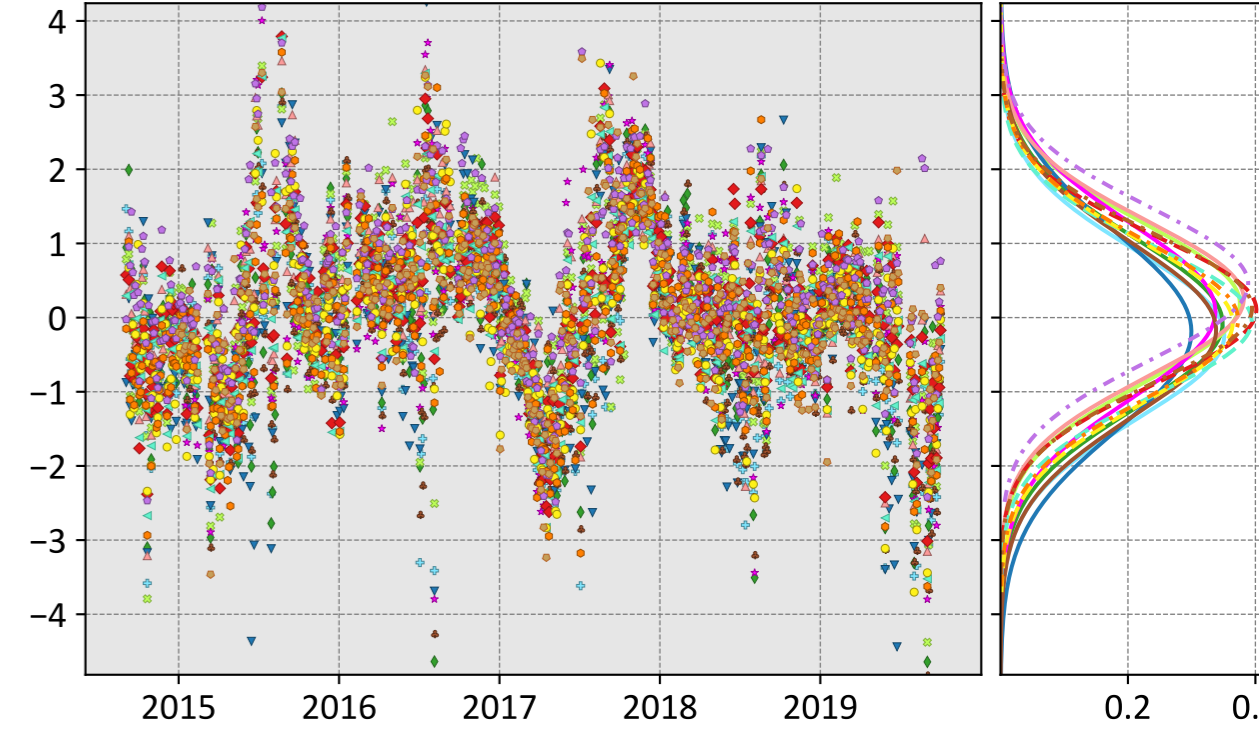
- |                               |                                |                           |
|-------------------------------|--------------------------------|---------------------------|
| CSU (0.99, 2.01, -0.07)       | WOMBAT (3.12, 3.57, 0.70)      | Weir (0.94, 1.59, -0.17)  |
| Ames (0.39, 1.25, -0.06)      | JHU (1.90, 2.26, 0.15)         | CAMS (2.51, 2.85, 0.55)   |
| COLA (3.45, 3.79, 0.62)       | TM5-4DVAR (-0.93, 1.48, -0.10) | Baker (0.59, 1.39, -0.03) |
| UT (-0.41, 1.39, -0.12)       | OU (4.42, 5.05, 1.45)          | NIES (0.22, 1.29, -0.08)  |
| CMS-Flux (-1.11, 2.17, -0.66) | CT (0.16, 1.12, 0.08)          |                           |

IS



- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.04, 1.15, -0.07)      | WOMBAT (0.40, 1.20, -0.07)    | CT (0.17, 0.97, 0.02)     |
| Ames (-0.01, 1.34, -0.04)    | JHU (-0.12, 1.35, -0.15)      | CAMS (-0.26, 1.10, -0.03) |
| COLA (-0.16, 1.18, -0.10)    | TM5-4DVAR (0.10, 0.97, -0.02) | Baker (0.54, 1.15, -0.01) |
| UT (-0.45, 1.57, -0.11)      | OU (0.08, 1.00, -0.03)        | NIES (-0.01, 0.99, -0.11) |
| CMS-Flux (0.58, 1.43, -0.01) |                               |                           |

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- |                              |                              |                           |
|------------------------------|------------------------------|---------------------------|
| CSU (-0.24, 1.16, -0.08)     | WOMBAT (0.25, 1.07, -0.07)   | CT (-0.07, 1.10, -0.05)   |
| Ames (-0.08, 1.15, -0.04)    | JHU (-0.17, 1.19, -0.12)     | CAMS (-0.03, 1.07, 0.06)  |
| COLA (0.20, 1.08, 0.01)      | TM5-4DVAR (0.10, 1.00, 0.01) | Baker (0.45, 1.12, -0.03) |
| UT (-0.19, 1.35, -0.04)      | OU (-0.04, 1.01, -0.03)      | NIES (0.13, 1.02, -0.07)  |
| CMS-Flux (0.09, 1.19, -0.07) |                              |                           |

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