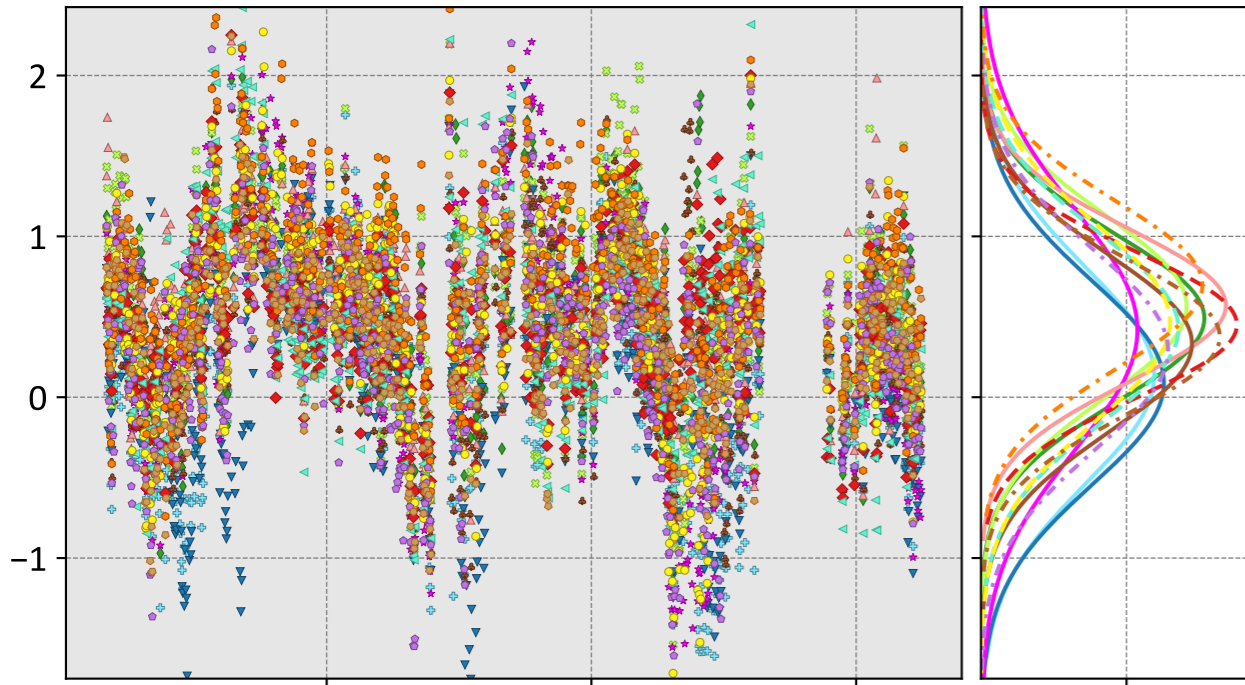


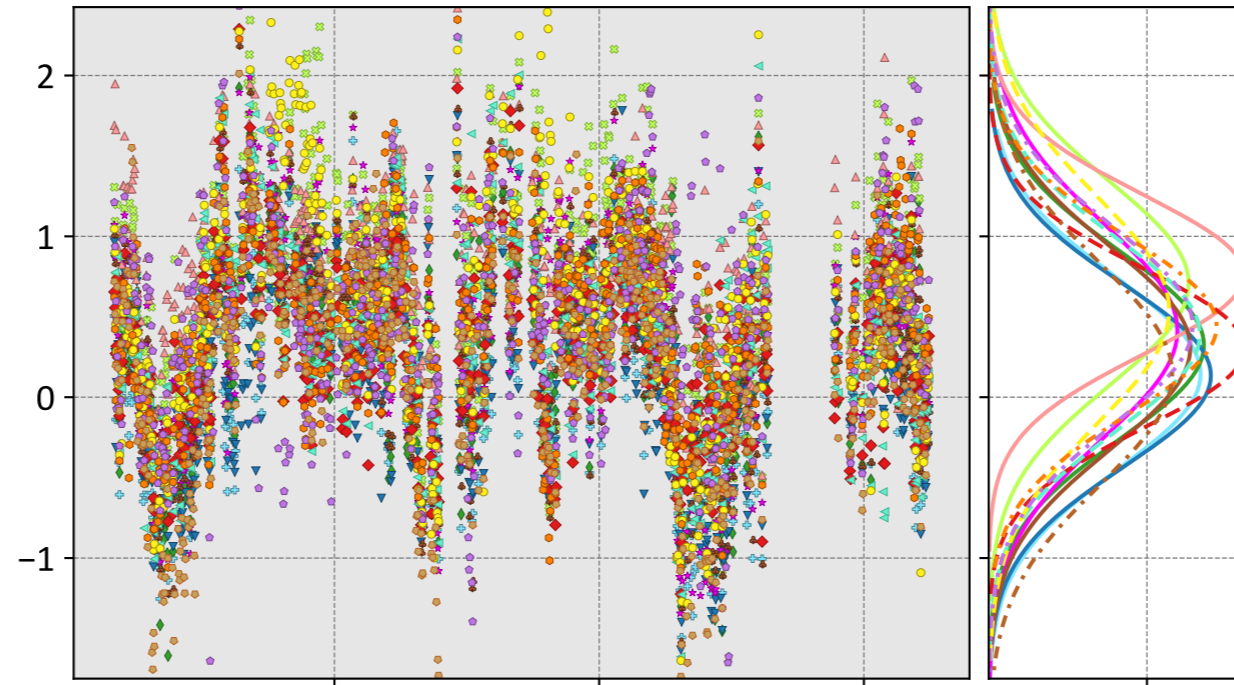
Burgos, Ilocos Norte, Philippines (1 day bins)

LNLGIS



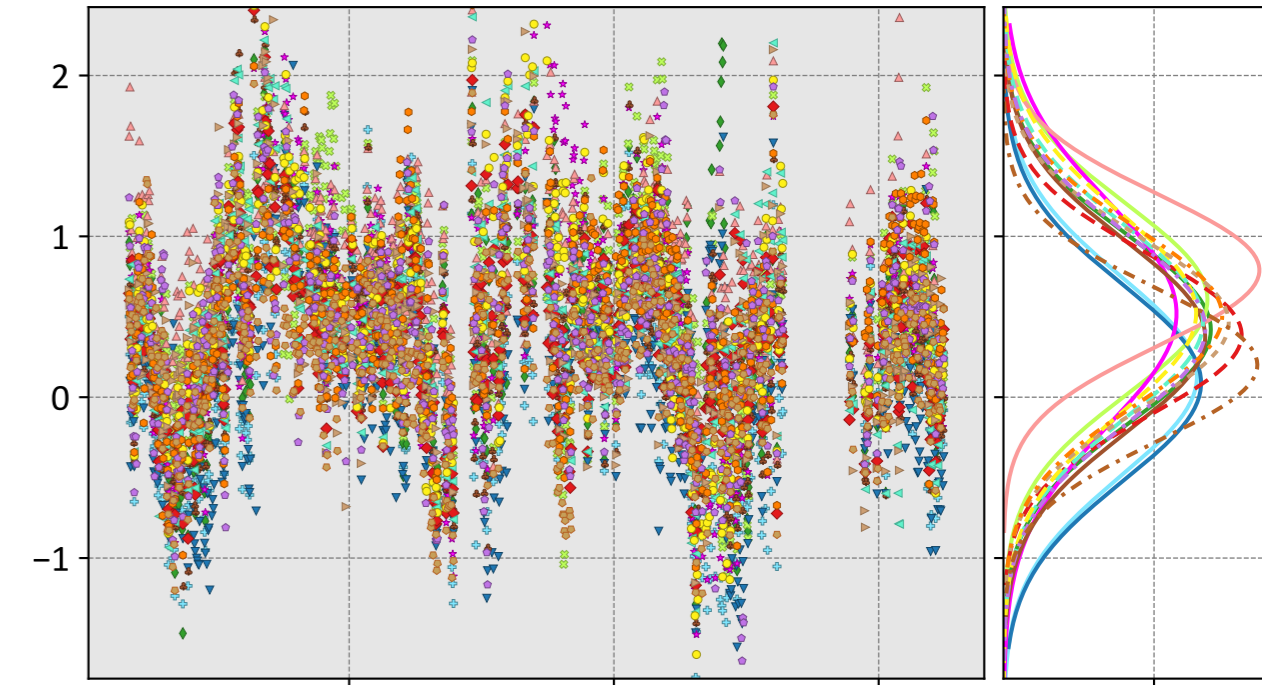
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.13, 0.68, -0.10)      | WOMBAT (0.57, 0.74, -0.12)    | CT (0.46, 0.77, -0.14)    |
| Ames (0.49, 0.71, -0.06)     | JHU (0.33, 0.64, -0.08)       | CAMS (0.70, 0.87, -0.07)  |
| COLA (0.57, 0.80, -0.07)     | TM5-4DVAR (0.45, 0.64, -0.04) | Baker (0.29, 0.69, -0.07) |
| UT (0.09, 0.64, -0.07)       | OU (0.43, 0.73, -0.12)        | NIES (0.38, 0.61, -0.04)  |
| CMS-Flux (0.42, 0.85, -0.24) |                               |                           |

OG



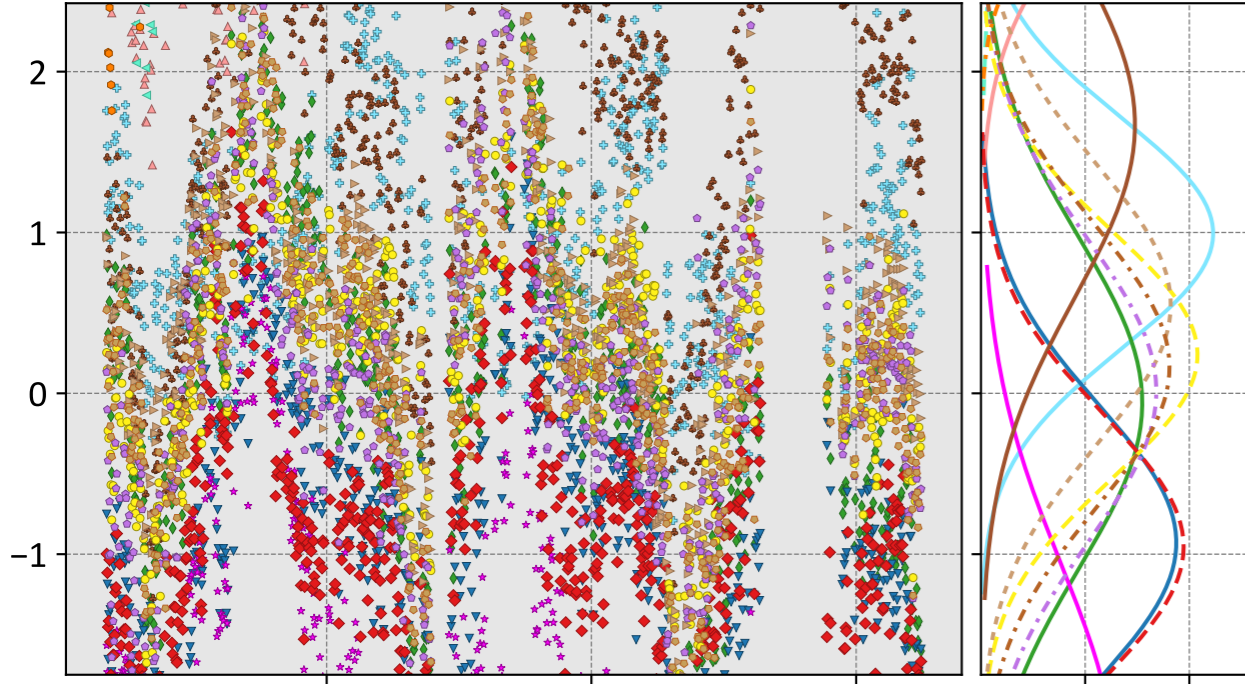
- |                              |                               |                          |
|------------------------------|-------------------------------|--------------------------|
| CSU (0.14, 0.61, -0.03)      | WOMBAT (0.76, 0.91, -0.10)    | CT (0.54, 0.88, -0.10)   |
| Ames (0.32, 0.67, 0.01)      | JHU (0.31, 0.70, -0.08)       | CAMS (0.44, 0.71, 0.07)  |
| COLA (0.71, 0.95, -0.01)     | TM5-4DVAR (0.30, 0.58, -0.03) | Baker (0.44, 0.76, 0.06) |
| UT (0.13, 0.58, -0.05)       | OU (0.39, 0.71, -0.08)        | NIES (0.14, 0.70, -0.01) |
| CMS-Flux (0.41, 0.79, -0.07) |                               |                          |

LNLGOGIS



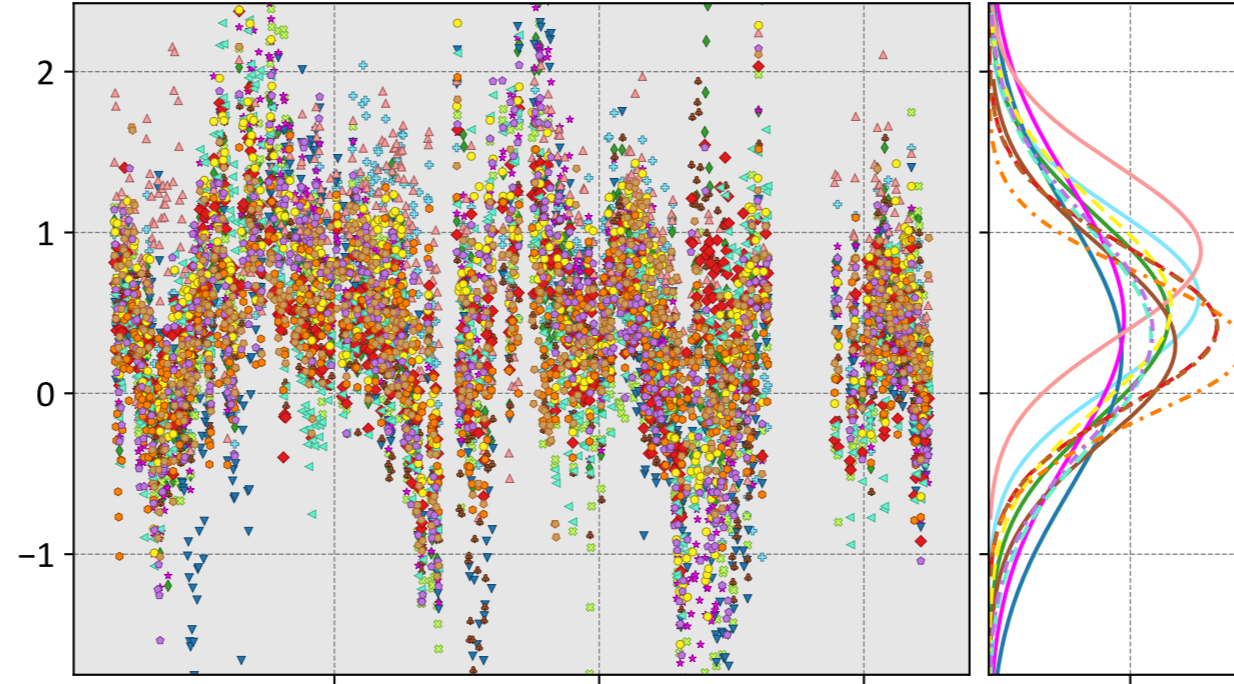
- |                              |                               |                           |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.13, 0.63, -0.05)      | WOMBAT (0.79, 0.92, -0.08)    | Weir (0.46, 0.71, -0.10)  |
| Ames (0.42, 0.72, 0.01)      | JHU (0.37, 0.70, -0.07)       | CAMS (0.50, 0.74, 0.08)   |
| COLA (0.61, 0.85, -0.09)     | TM5-4DVAR (0.39, 0.64, -0.03) | Baker (0.43, 0.73, -0.01) |
| UT (0.09, 0.61, -0.05)       | OU (0.47, 0.76, -0.10)        | NIES (0.20, 0.51, -0.05)  |
| CMS-Flux (0.52, 0.87, -0.07) | CT (0.52, 0.81, -0.11)        |                           |

prior



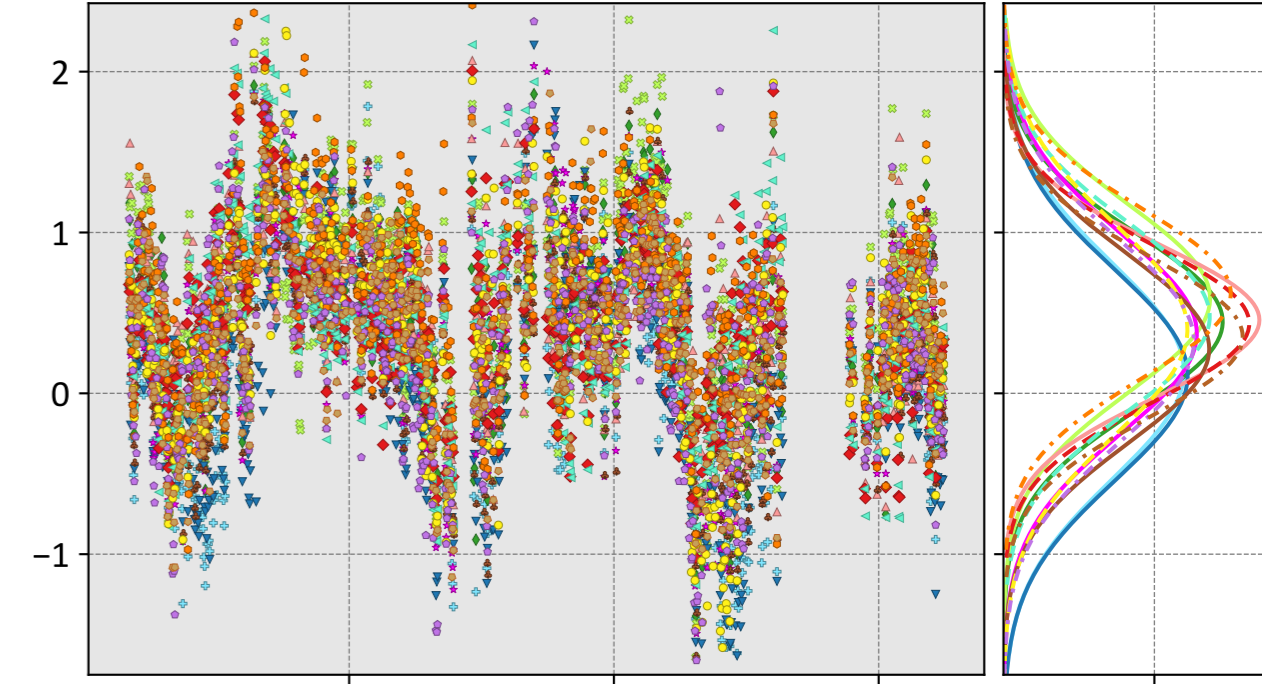
- |                               |                                |                           |
|-------------------------------|--------------------------------|---------------------------|
| CSU (0.99, 1.22, -0.03)       | WOMBAT (3.94, 4.03, 0.66)      | Weir (0.55, 1.04, -0.22)  |
| Ames (-0.06, 1.03, -0.48)     | JHU (1.67, 1.99, 0.29)         | CAMS (3.93, 3.98, 0.46)   |
| COLA (4.77, 4.86, 0.54)       | TM5-4DVAR (-0.95, 1.26, -0.11) | Baker (0.01, 0.95, -0.01) |
| UT (-0.93, 1.26, -0.11)       | OU (6.19, 6.39, 1.51)          | NIES (0.16, 0.90, -0.23)  |
| CMS-Flux (-2.32, 2.64, -0.80) | CT (0.24, 0.80, -0.07)         |                           |

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|------------------------------|-------------------------------|---------------------------|
| CSU (0.60, 0.81, -0.08)      | WOMBAT (0.88, 1.03, -0.09)    | CT (0.54, 0.82, -0.16)    |
| Ames (0.47, 0.78, -0.01)     | JHU (0.30, 0.68, -0.03)       | CAMS (0.29, 0.53, -0.04)  |
| COLA (0.24, 0.88, -0.20)     | TM5-4DVAR (0.41, 0.65, -0.09) | Baker (0.38, 0.79, -0.15) |
| UT (0.25, 0.88, -0.12)       | OU (0.35, 0.78, -0.14)        | NIES (0.41, 0.64, -0.02)  |
| CMS-Flux (0.46, 0.95, -0.18) |                               |                           |

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|------------------------------|-------------------------------|---------------------------|
| CSU (0.14, 0.68, -0.10)      | WOMBAT (0.46, 0.66, -0.16)    | CT (0.40, 0.77, -0.11)    |
| Ames (0.44, 0.71, -0.09)     | JHU (0.28, 0.65, -0.11)       | CAMS (0.62, 0.82, -0.10)  |
| COLA (0.59, 0.83, -0.04)     | TM5-4DVAR (0.43, 0.65, -0.13) | Baker (0.32, 0.71, -0.08) |
| UT (0.11, 0.66, -0.07)       | OU (0.48, 0.75, -0.13)        | NIES (0.35, 0.61, -0.02)  |
| CMS-Flux (0.37, 0.73, -0.11) |                               |                           |

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