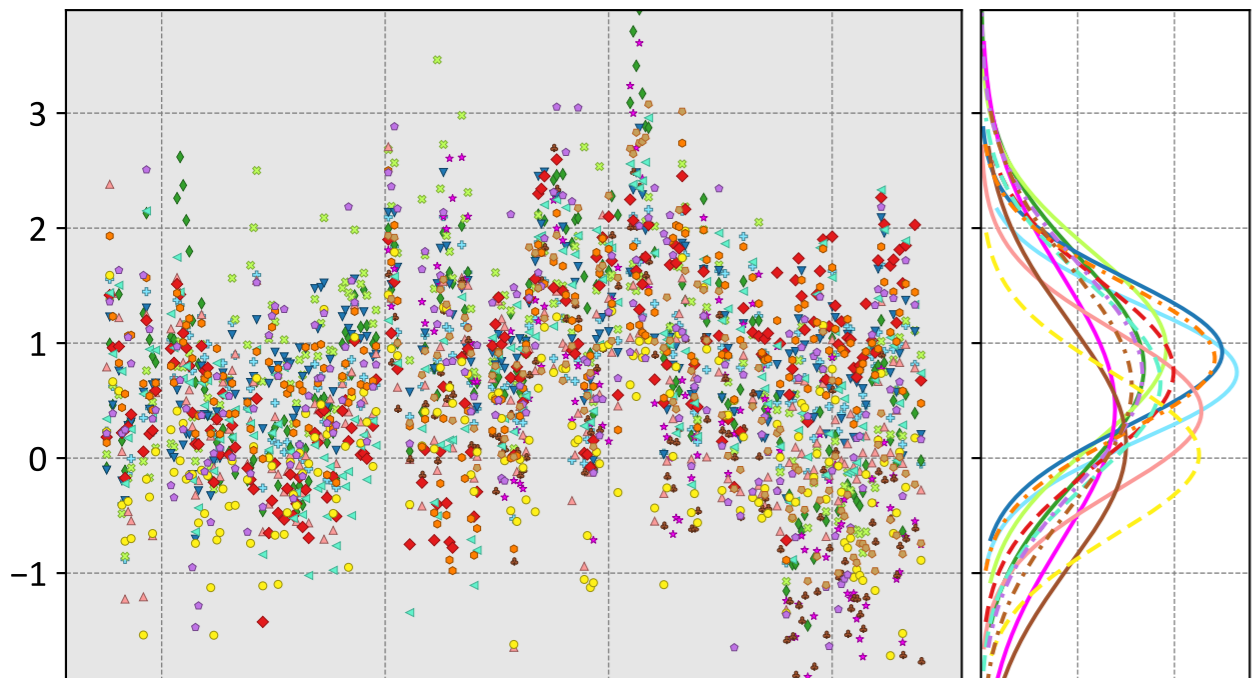


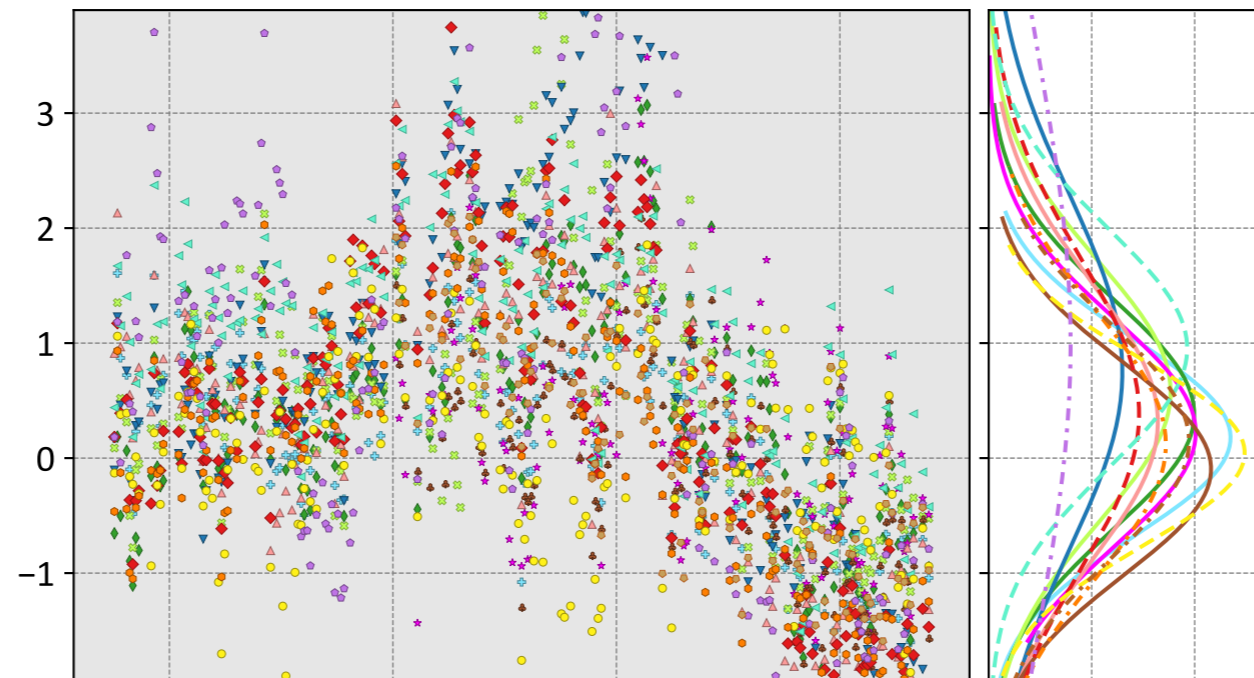
Manaus, Amazonas, Brazil (1 day bins)

LNLGIS



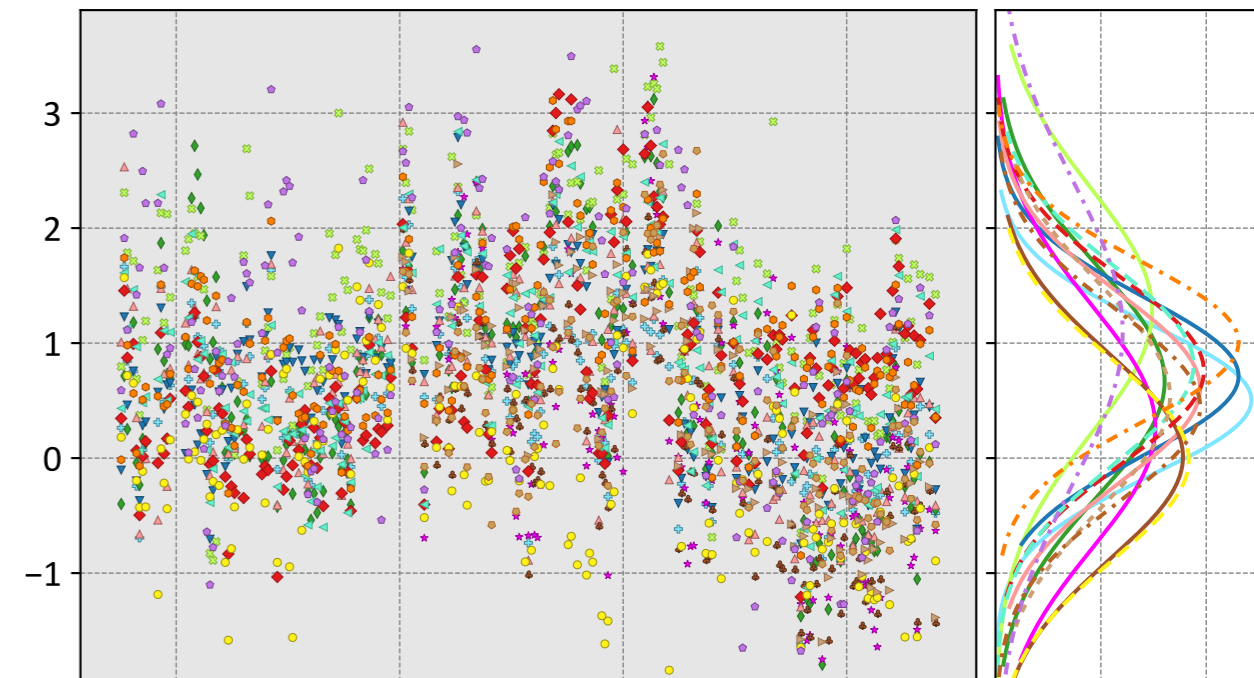
- | | | |
|------------------------------|------------------------------|---------------------------|
| CSU (0.75, 0.96, 0.48) | WOMBAT (0.41, 0.81, -0.18) | CT (0.03, 0.71, -0.04) |
| Ames (0.79, 1.23, -0.44) | JHU (0.12, 1.07, -4.54) | CAMS (0.87, 1.09, 0.84) |
| COLA (0.95, 1.27, -0.48) | TM5-4DVAR (0.75, 1.10, 1.85) | Baker (0.73, 1.20, -0.12) |
| UT (0.92, 1.12, 0.58) | OU (0.66, 1.08, 0.93) | NIES (0.62, 1.20, -4.19) |
| CMS-Flux (0.44, 1.23, -5.02) | | |

OG



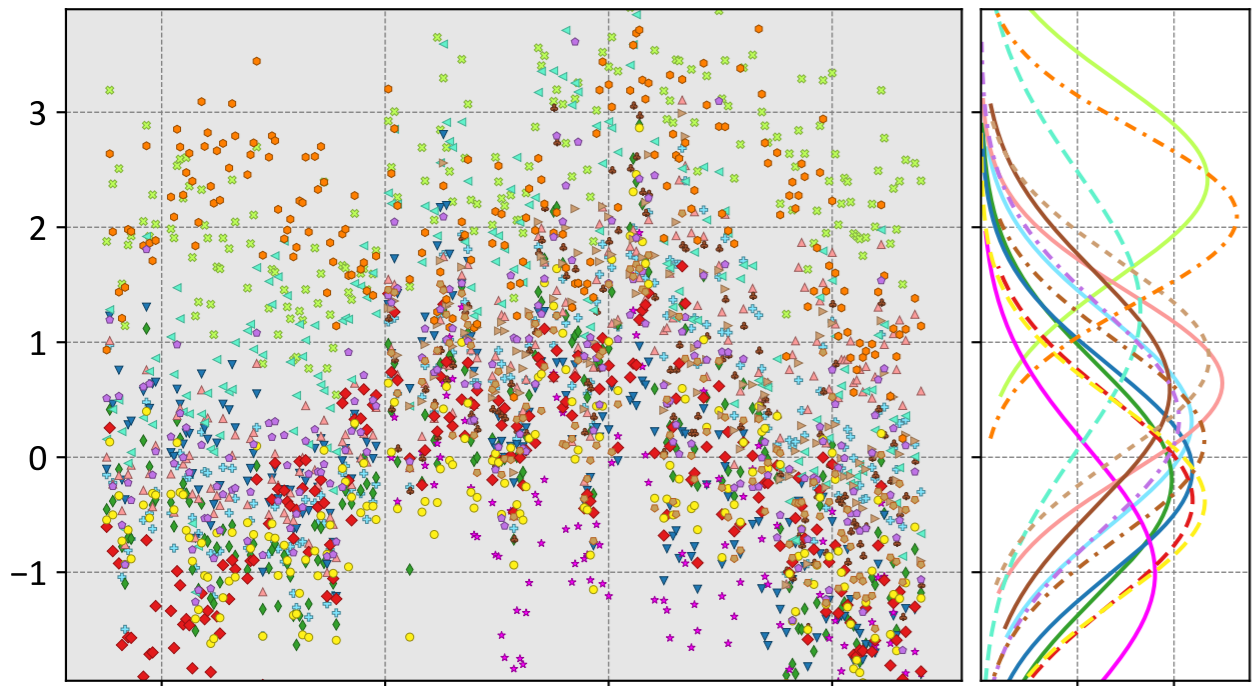
- | | | |
|------------------------------|-------------------------------|---------------------------|
| CSU (0.18, 0.87, -2.31) | WOMBAT (0.32, 1.25, -2.96) | CT (0.05, 0.80, -0.59) |
| Ames (0.38, 1.07, -0.99) | JHU (-0.10, 0.93, -4.11) | CAMS (0.12, 1.17, -2.90) |
| COLA (0.57, 1.27, -1.53) | TM5-4DVAR (0.38, 1.42, -2.89) | Baker (1.00, 2.70, -2.85) |
| UT (0.75, 1.71, -2.24) | OU (0.95, 1.41, -2.23) | NIES (0.15, 1.04, -6.05) |
| CMS-Flux (0.22, 1.02, -2.30) | | |

LNLGOGIS



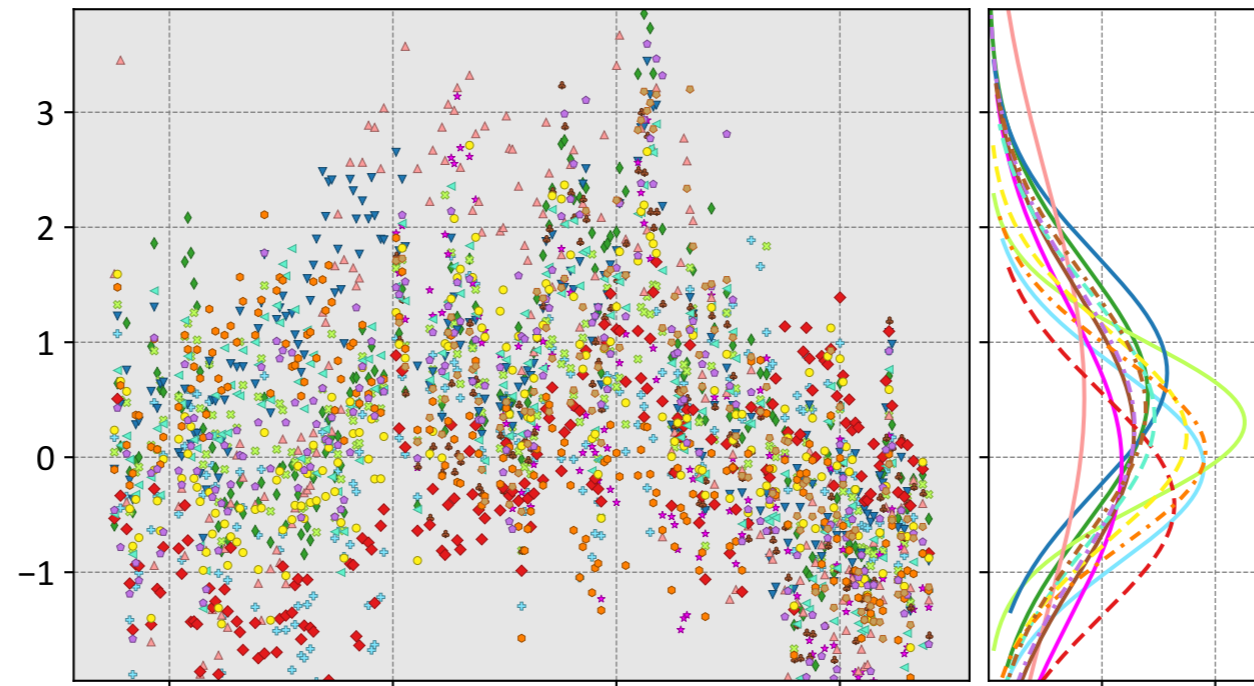
- | | | |
|------------------------------|------------------------------|---------------------------|
| CSU (0.50, 0.83, -1.08) | WOMBAT (0.61, 1.02, -1.21) | Weir (0.53, 1.10, -5.03) |
| Ames (0.67, 1.20, -1.08) | JHU (0.01, 0.90, -4.02) | CAMS (1.01, 1.22, 0.26) |
| COLA (1.28, 1.67, 0.33) | TM5-4DVAR (0.76, 1.11, 1.20) | Baker (1.09, 1.72, -1.23) |
| UT (0.71, 0.99, -0.62) | OU (0.81, 1.17, -0.22) | NIES (0.45, 0.93, -2.27) |
| CMS-Flux (0.27, 1.09, -3.86) | CT (-0.02, 0.87, -1.09) | |

prior



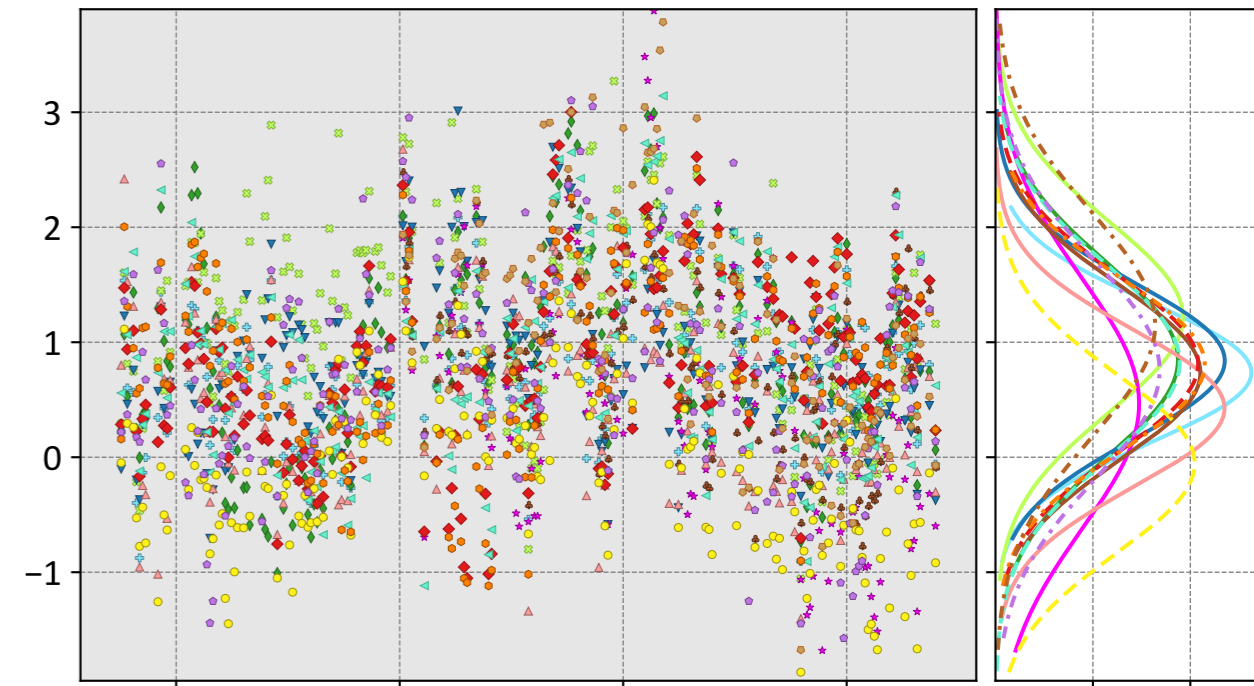
- | | | |
|-------------------------------|-------------------------------|--------------------------|
| CSU (0.31, 0.96, 1.74) | WOMBAT (0.64, 1.02, 2.12) | Weir (0.86, 1.20, -3.38) |
| Ames (-0.20, 1.03, -0.04) | JHU (0.59, 1.18, -3.18) | CAMS (2.09, 2.23, -0.52) |
| COLA (2.41, 2.56, 1.68) | TM5-4DVAR (-0.38, 0.98, 0.38) | Baker (0.33, 1.03, 0.11) |
| UT (-0.11, 0.92, -2.22) | OU (1.28, 1.76, 0.07) | NIES (0.15, 0.87, -3.99) |
| CMS-Flux (-1.01, 1.50, -4.74) | CT (-0.38, 0.94, 0.12) | |

IS



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|-------------------------------|-------------------------------|---------------------------|
| CSU (-0.08, 0.84, 0.98) | WOMBAT (0.52, 1.96, -0.44) | CT (0.19, 0.93, 0.22) |
| Ames (0.54, 1.26, -0.35) | JHU (0.20, 1.26, -4.43) | CAMS (0.05, 0.84, -2.81) |
| COLA (0.30, 0.77, -0.91) | TM5-4DVAR (-0.41, 1.06, 2.92) | Baker (0.27, 1.27, -0.84) |
| UT (0.74, 1.25, -1.70) | OU (0.35, 1.14, -1.66) | NIES (0.42, 1.22, -4.27) |
| CMS-Flux (-0.05, 1.36, -7.27) | | |

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|------------------------------|------------------------------|---------------------------|
| CSU (0.74, 0.95, 0.54) | WOMBAT (0.42, 0.80, -0.44) | CT (-0.06, 0.78, -0.48) |
| Ames (0.84, 1.20, 0.45) | JHU (0.73, 1.06, -2.14) | CAMS (0.81, 1.10, 0.66) |
| COLA (1.22, 1.47, -0.84) | TM5-4DVAR (0.81, 1.12, 1.24) | Baker (0.76, 1.21, -0.12) |
| UT (0.84, 1.08, 0.01) | OU (0.83, 1.18, 0.25) | NIES (1.15, 1.51, -3.45) |
| CMS-Flux (0.47, 1.18, -3.62) | | |