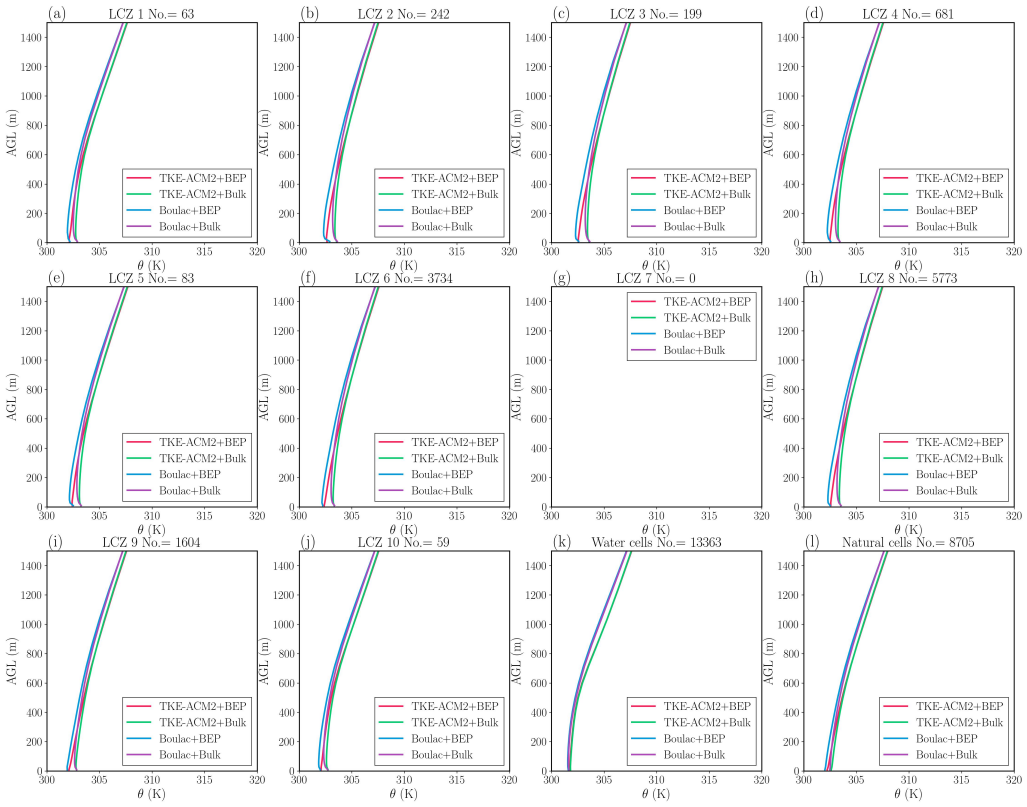

Figure S-1Monthly averaged θ vertical profile at aggregated LCZ grids

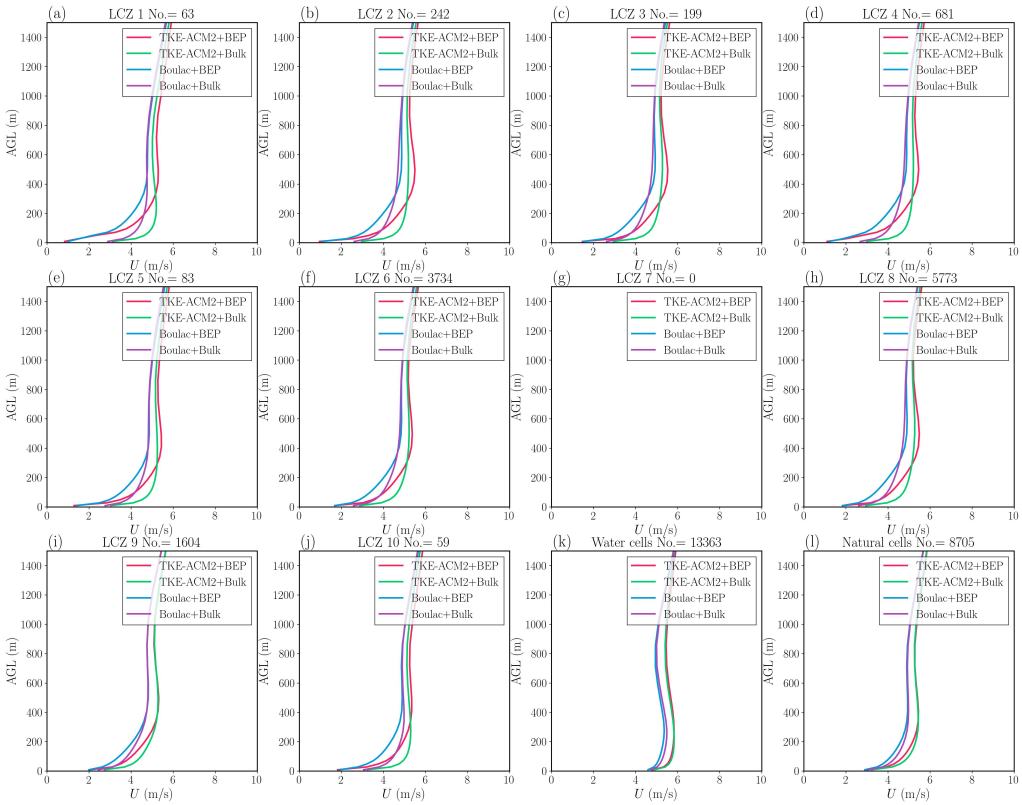

Figure S-2Monthly averaged U vertical profile at aggregated LCZ grids

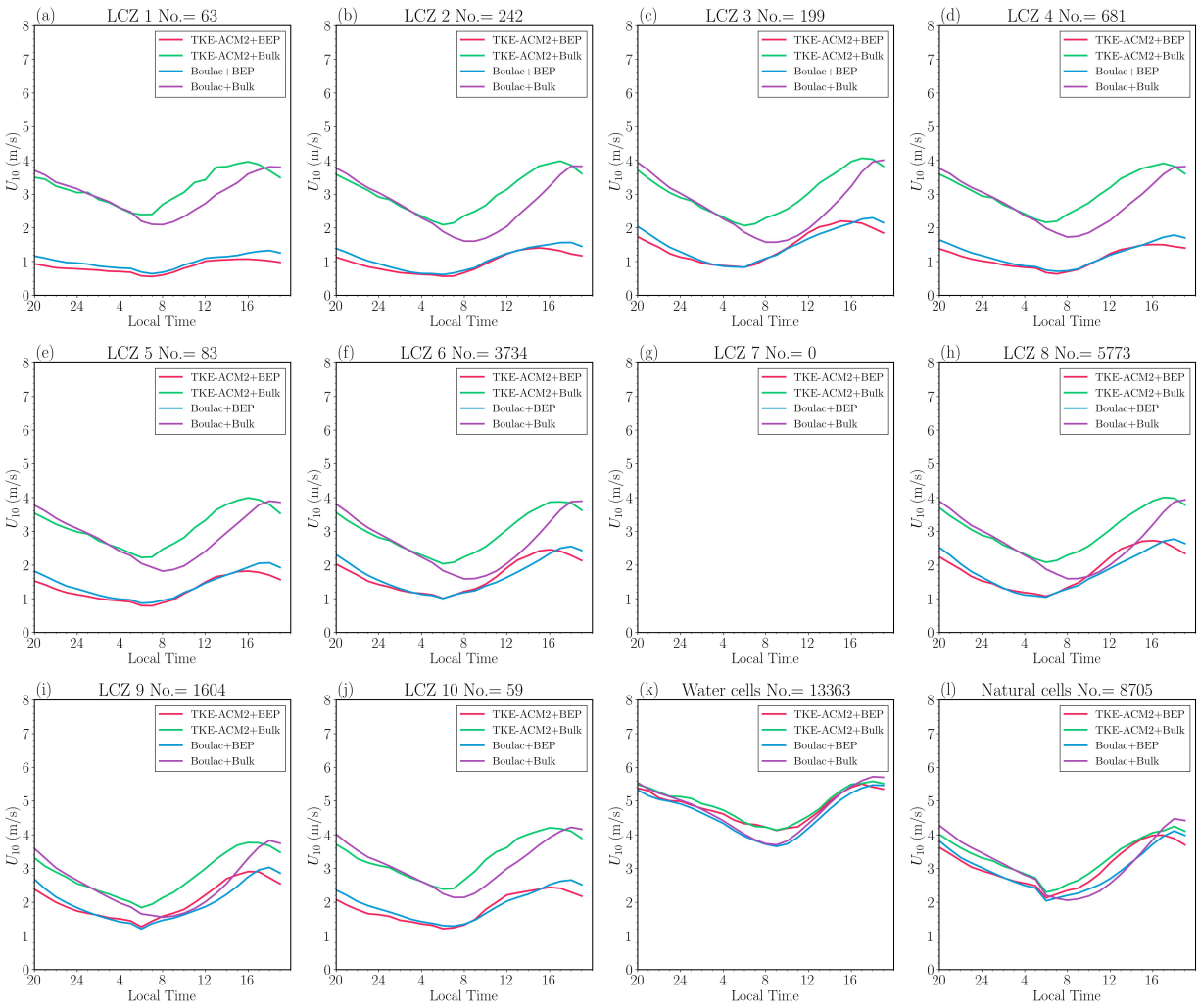

Figure S-3Monthly averaged U_{10} diurnal cycle at aggregated LCZ grids

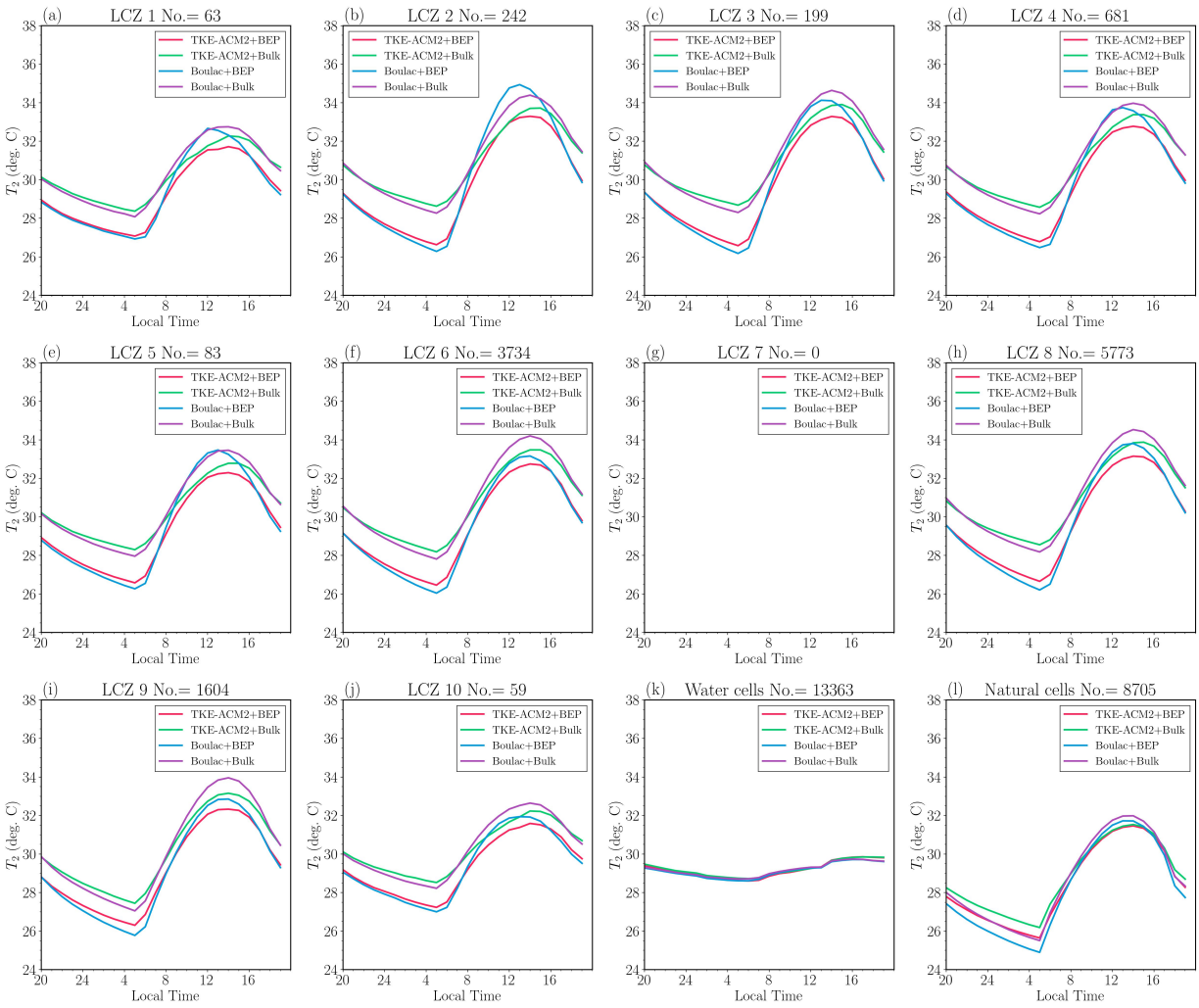

Figure S-4Monthly averaged T_{2} diurnal cycle at aggregated LCZ grids

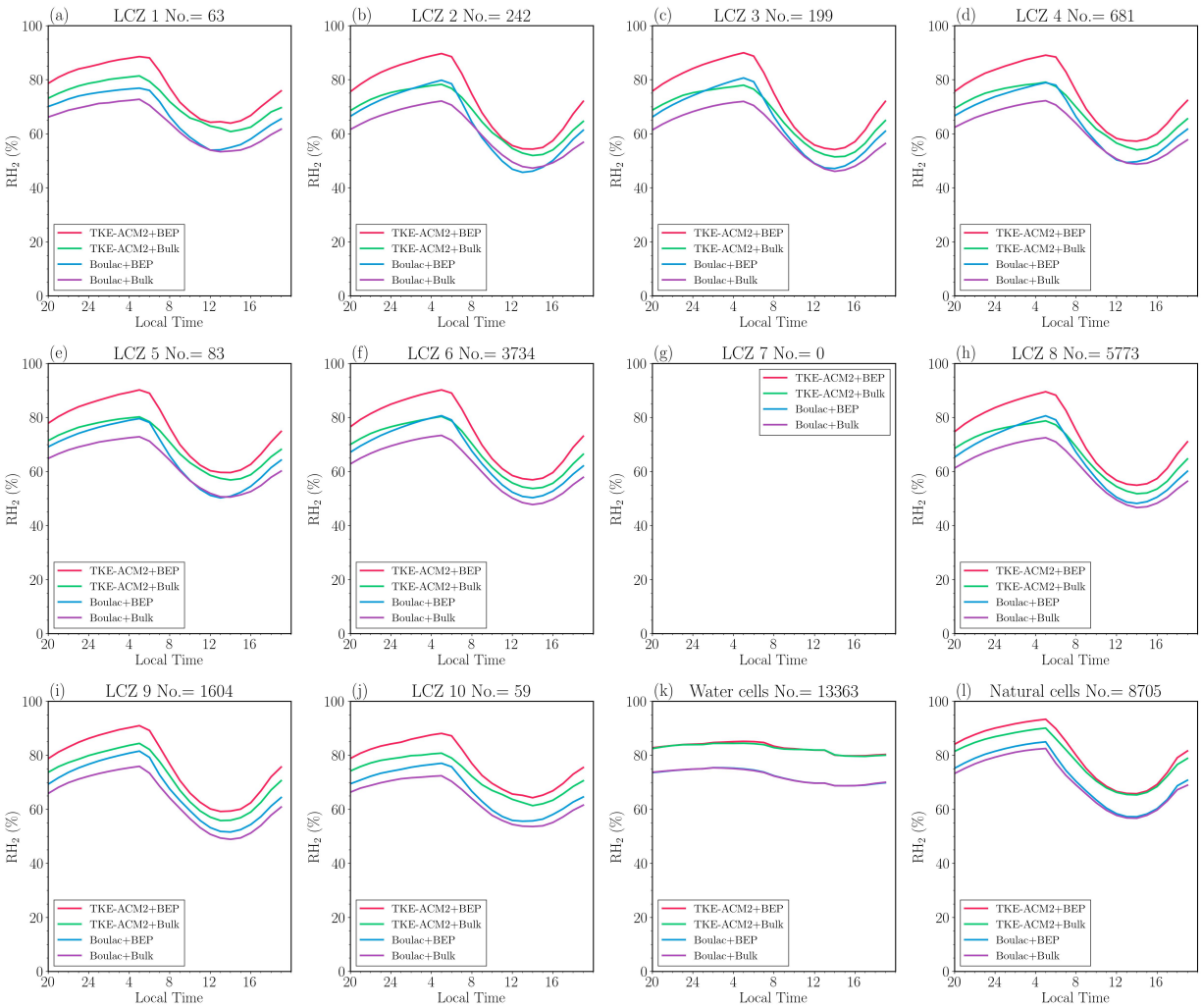

Figure S-5Monthly averaged RH_{2} diurnal cycle at aggregated LCZ grids

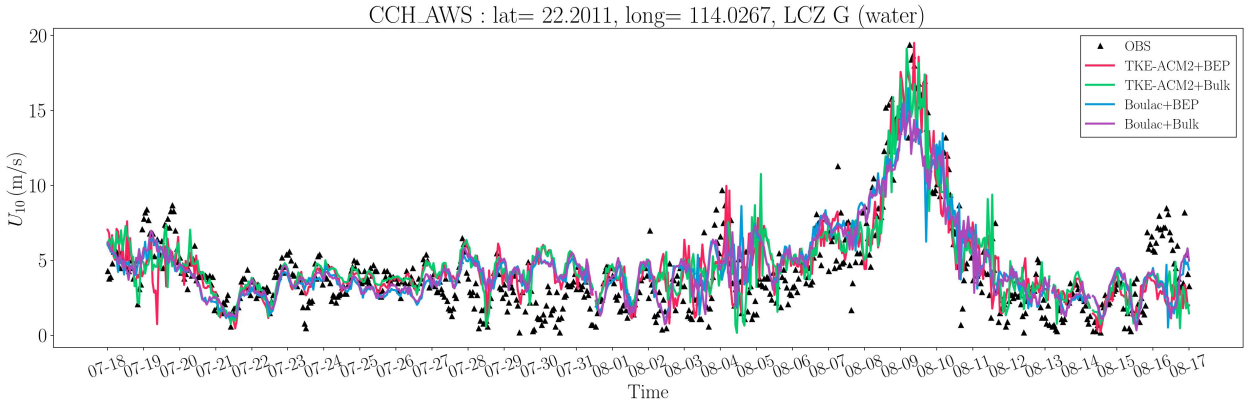

Figure S-6: U_{10} at CCH_AWS station.

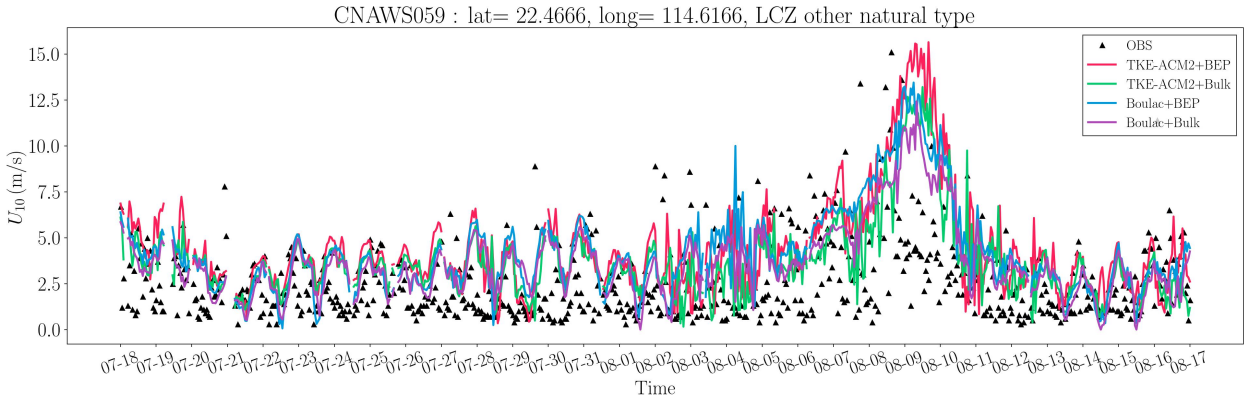

Figure S-7: U_{10} at CNAWS059 station.

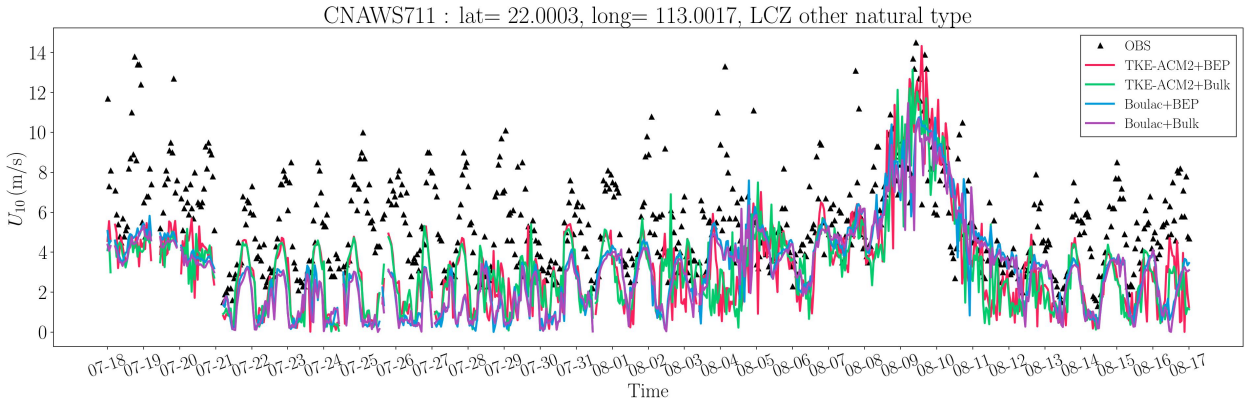

Figure S-8: U_{10} at CNAWS711 station.

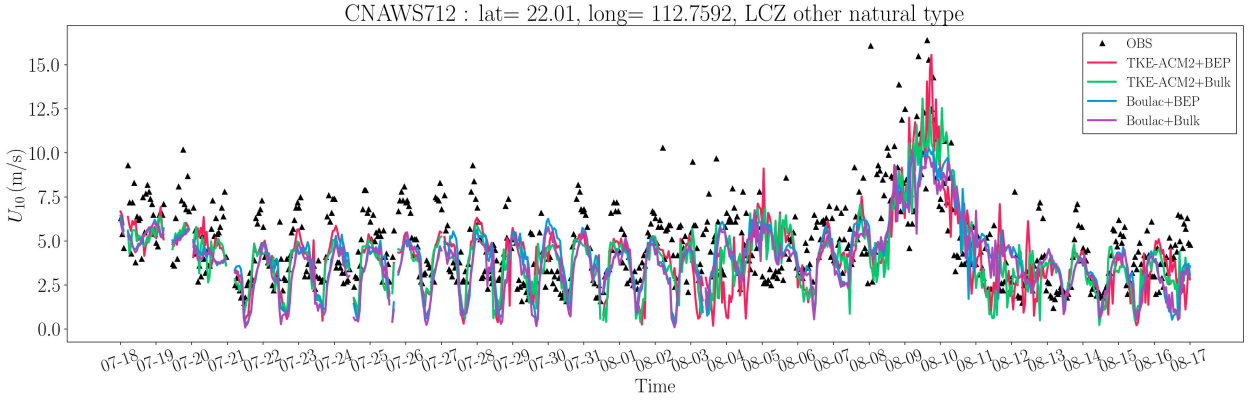

Figure S-9: U_{10} at CNAWS712 station.

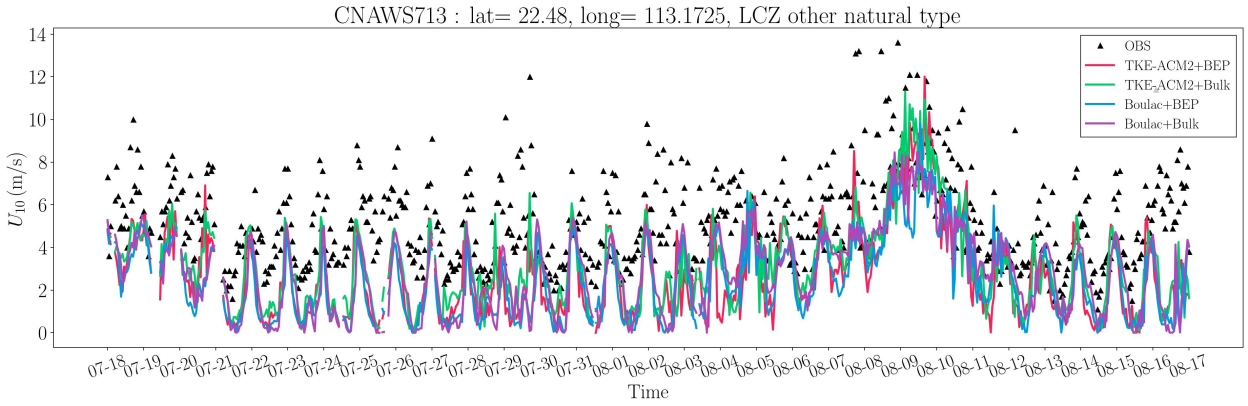

Figure S-10: U_{10} at CNAWS713 station.

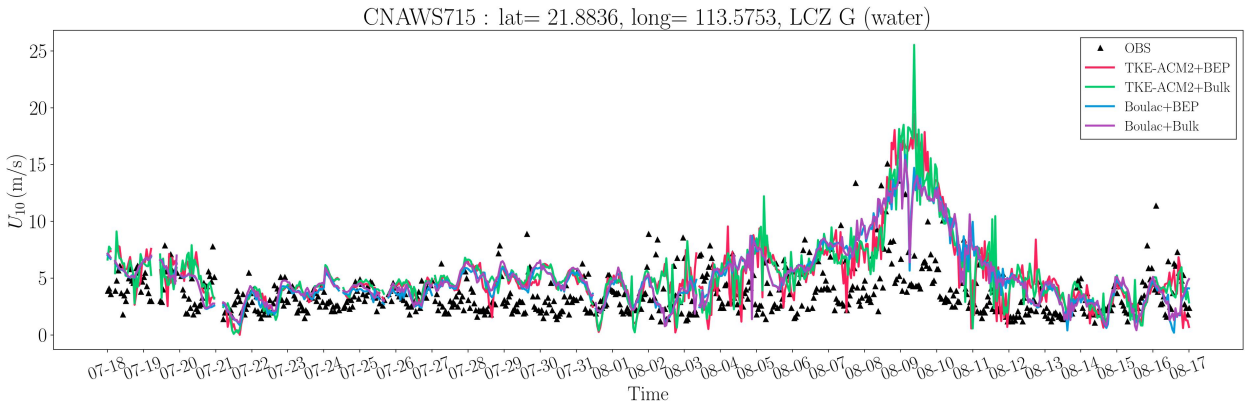

Figure S-11: U_{10} at CNAWS715 station.

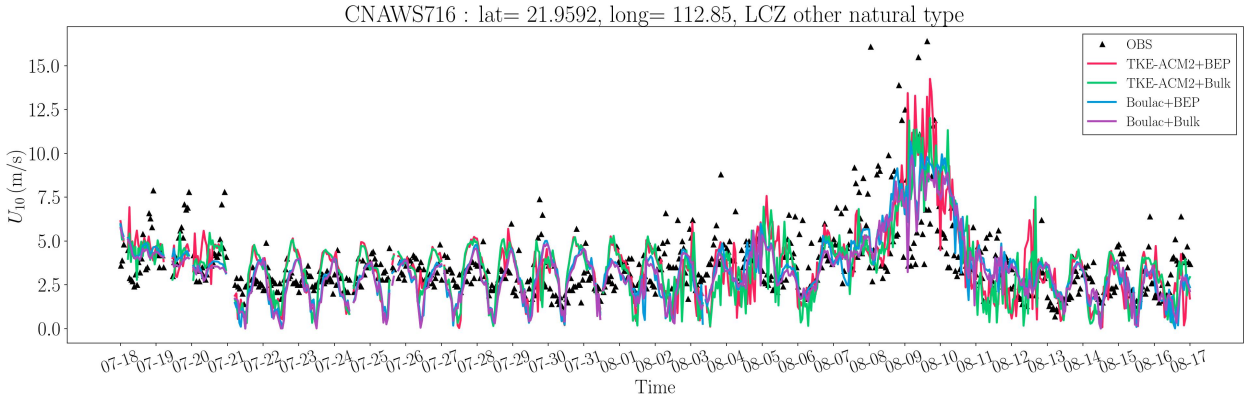

Figure S-12: U_{10} at CNAWS716 station.

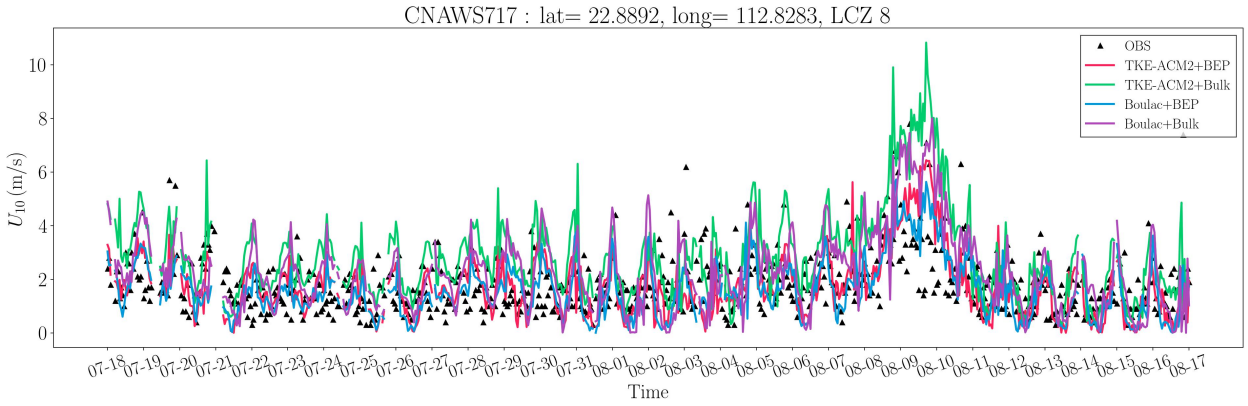

Figure S-13: U_{10} at CNAWS717 station.

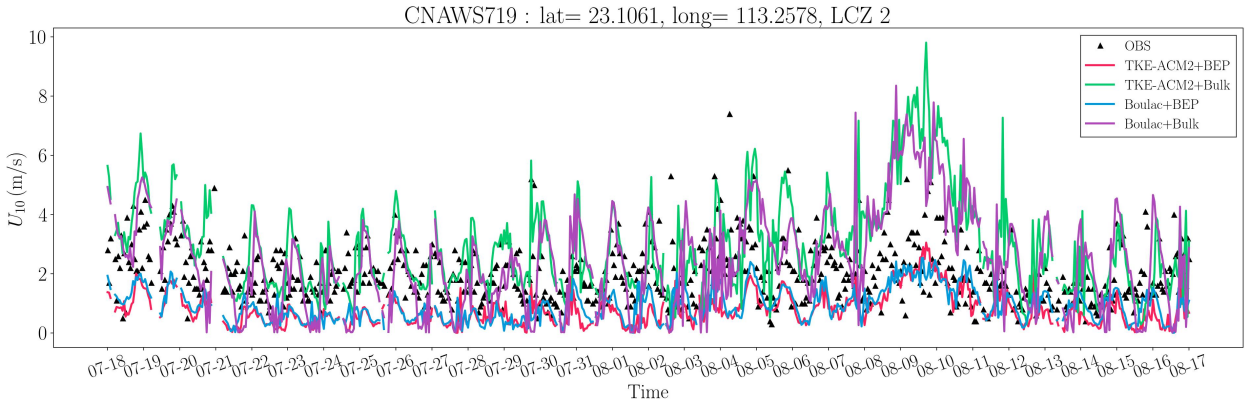

Figure S-14: U_{10} at CNAWS719 station.

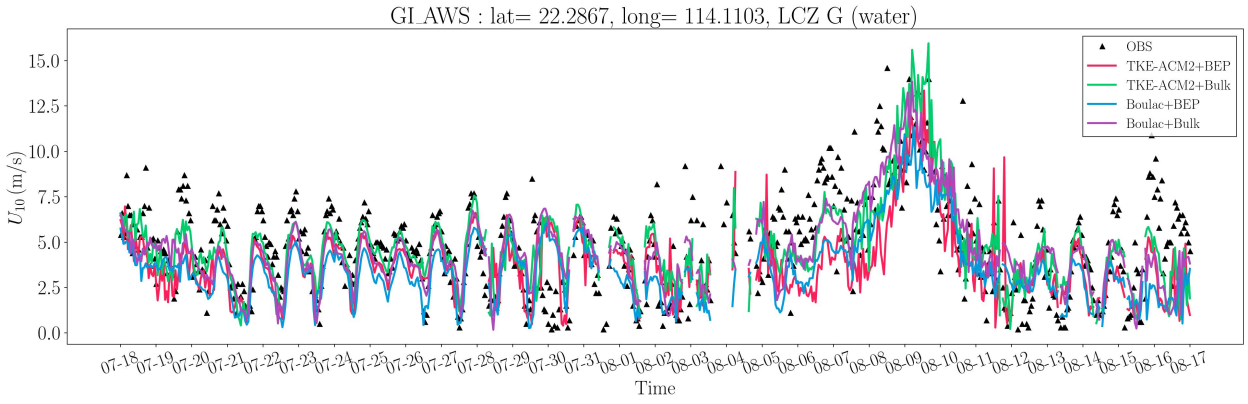

Figure S-15: U_{10} at GI_AWS station.

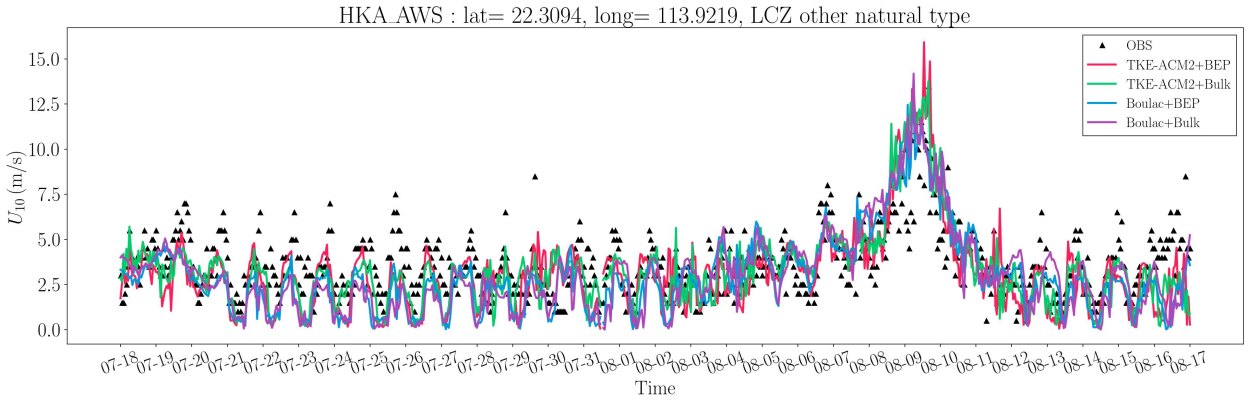

Figure S-16: U_{10} at HKA_AWS station.

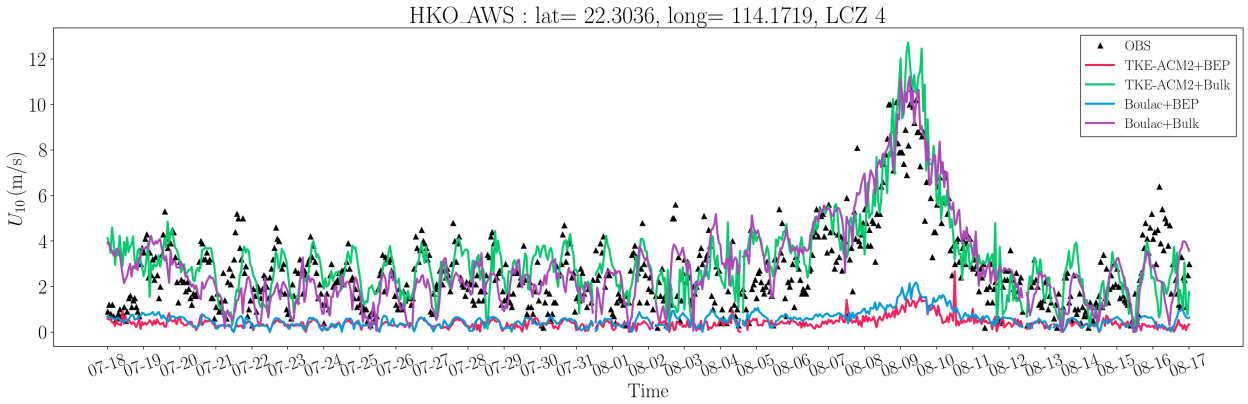

Figure S-17: U_{10} at HKO_AWS station.

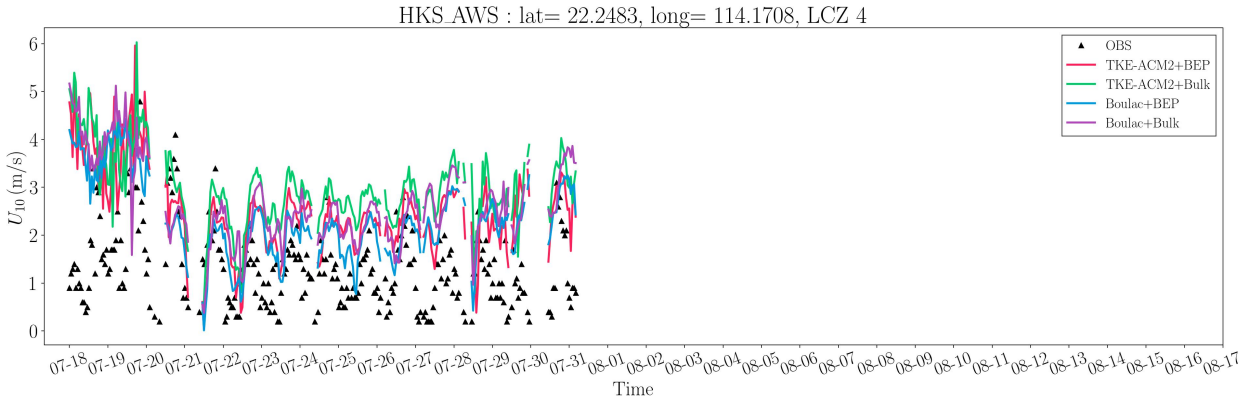

Figure S-18: U_{10} at HKS_AWS station.

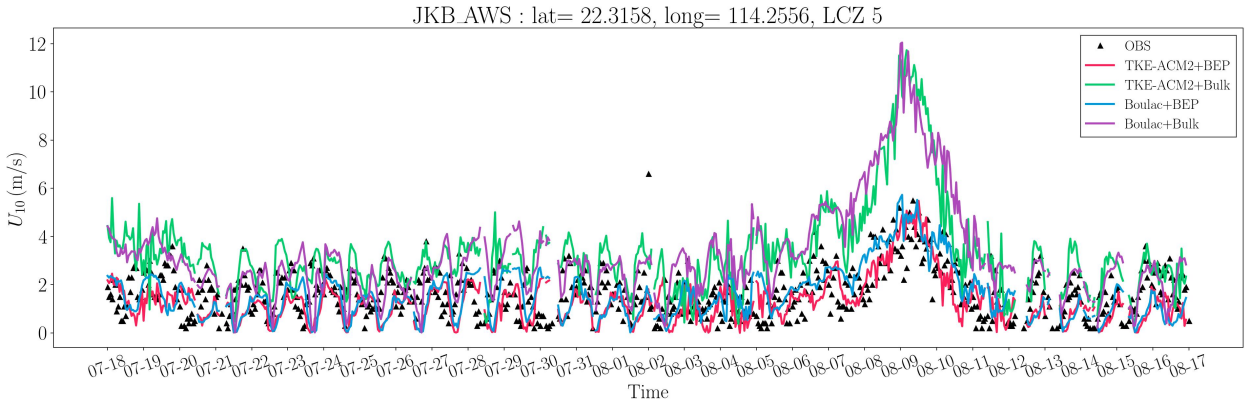

Figure S-19: U_{10} at JKB_AWS station.

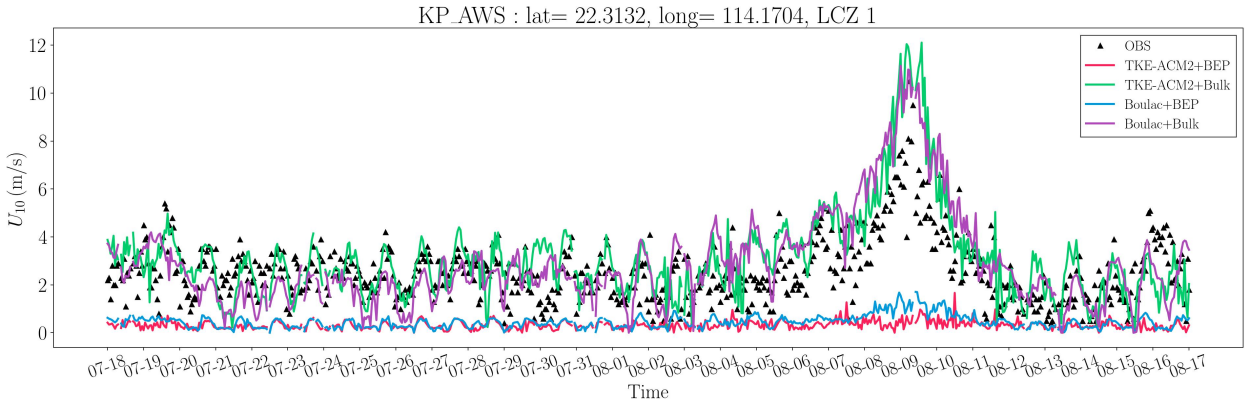

Figure S-20: U_{10} at KP_AWS station.

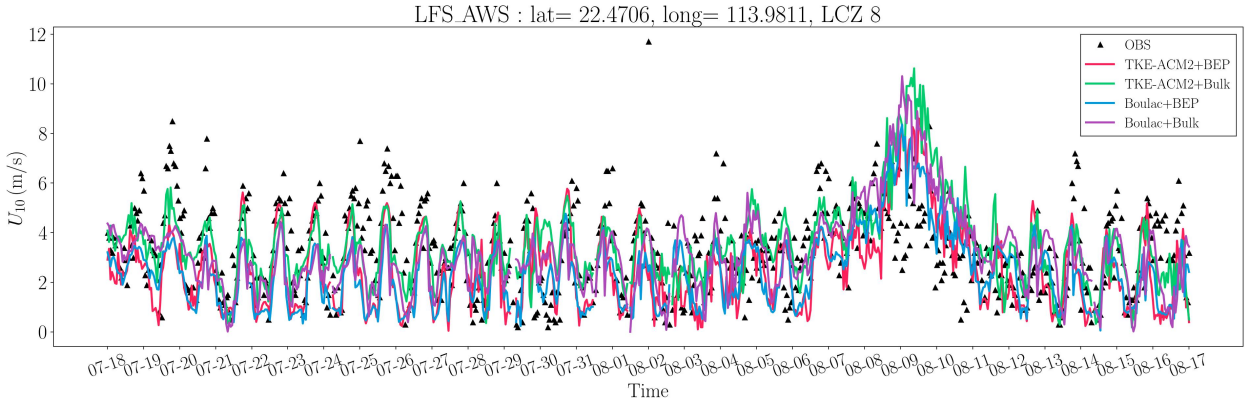

Figure S-21: U_{10} at LFS_AWS station.

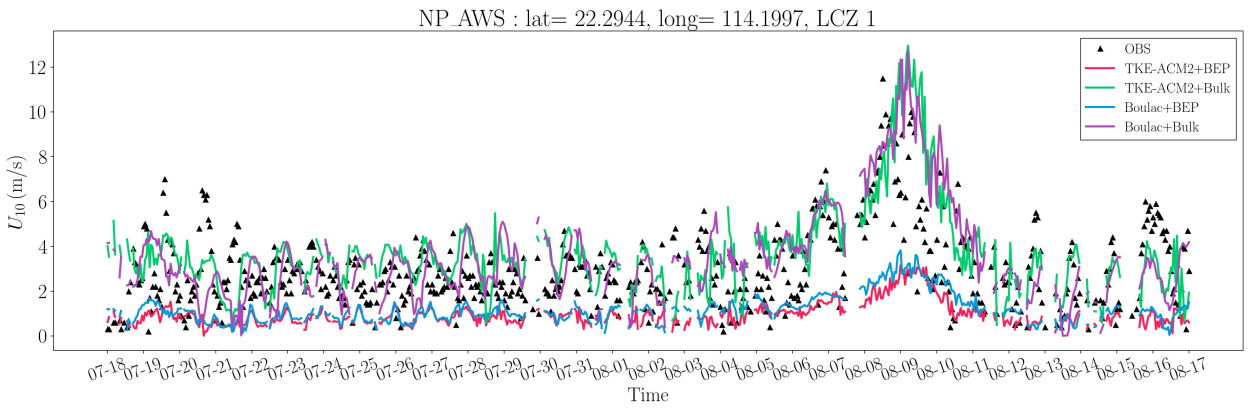

Figure S-22: U_{10} at NP_AWS station.

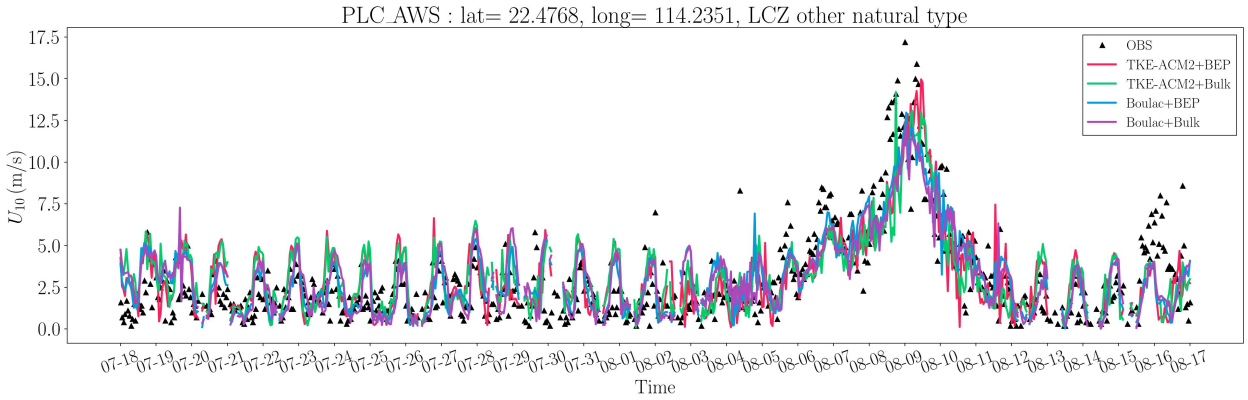

Figure S-23: U_{10} at PLC_AWS station.

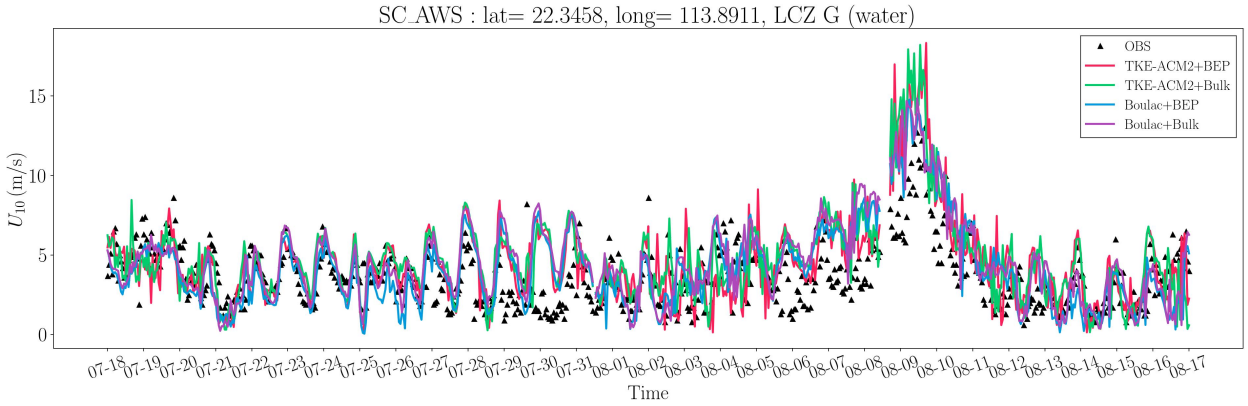

Figure S-24: U_{10} at SC_AWS station.

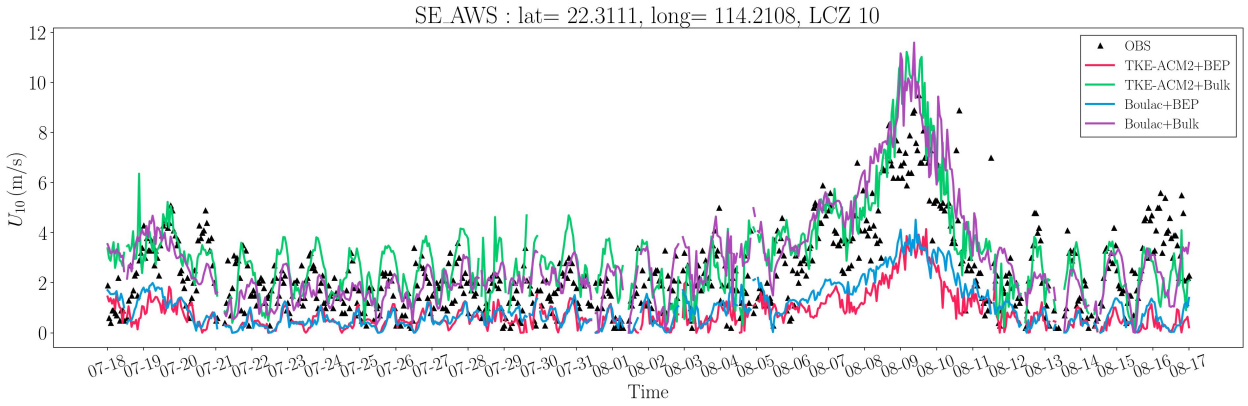

Figure S-25: U_{10} at SE_AWS station.

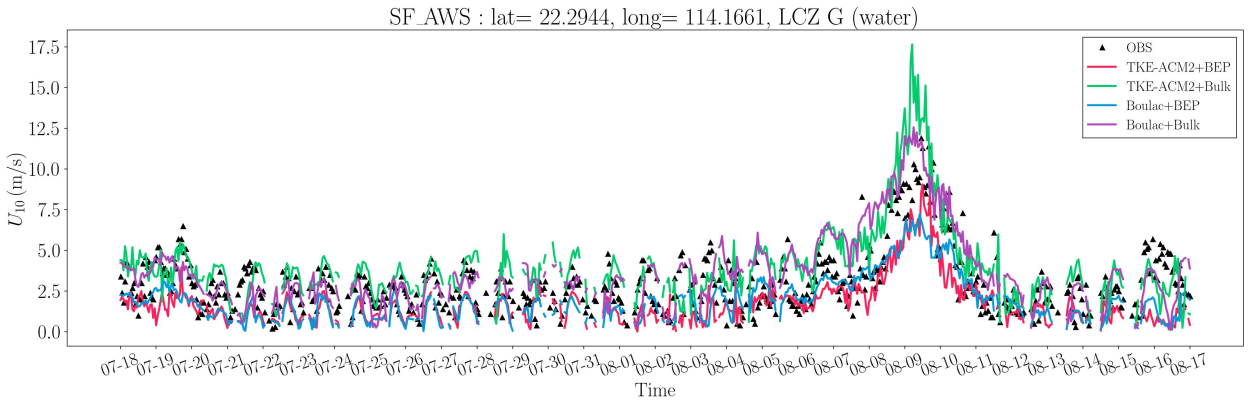

Figure S-26: U_{10} at SF_AWS station.

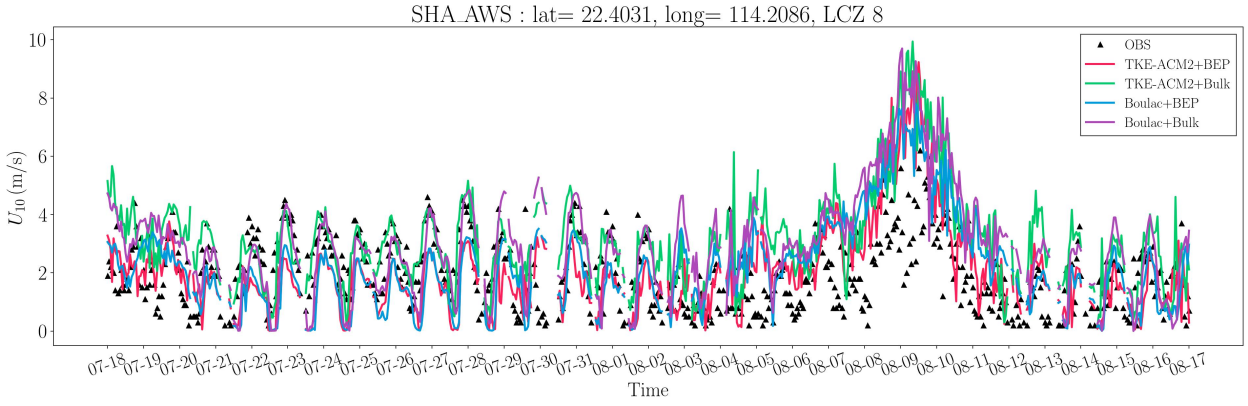

Figure S-27: U_{10} at SHA_AWS station.

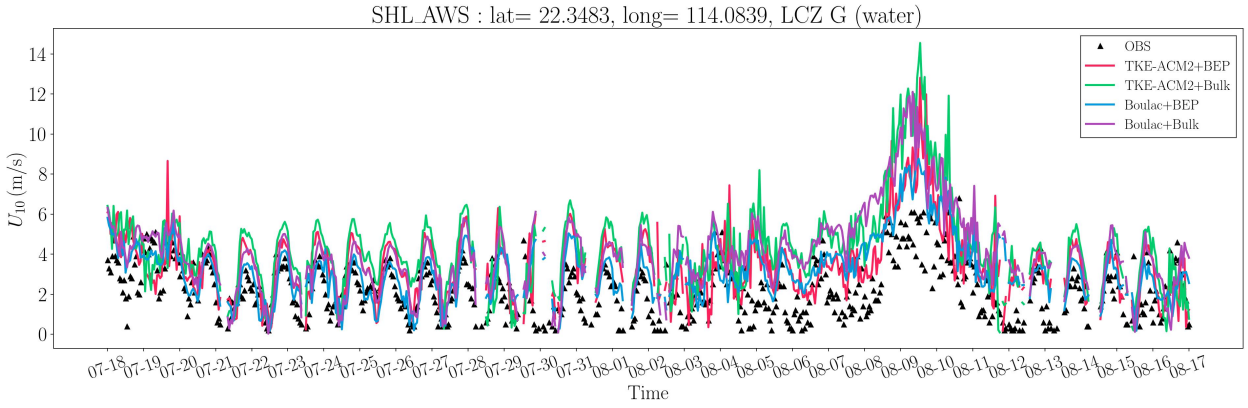

Figure S-28: U_{10} at SHL_AWS station.

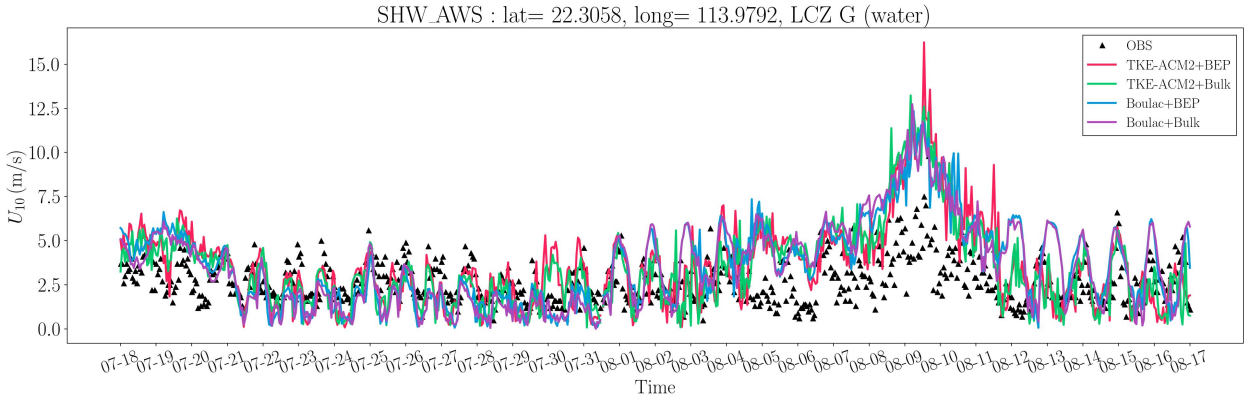

Figure S-29: U_{10} at SHW_AWS station.

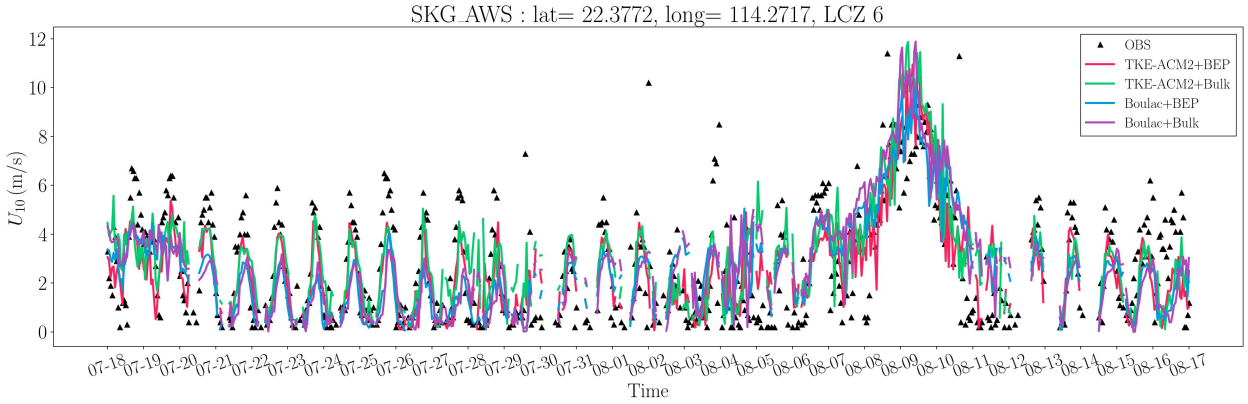

Figure S-30: U_{10} at SKG_AWS station.

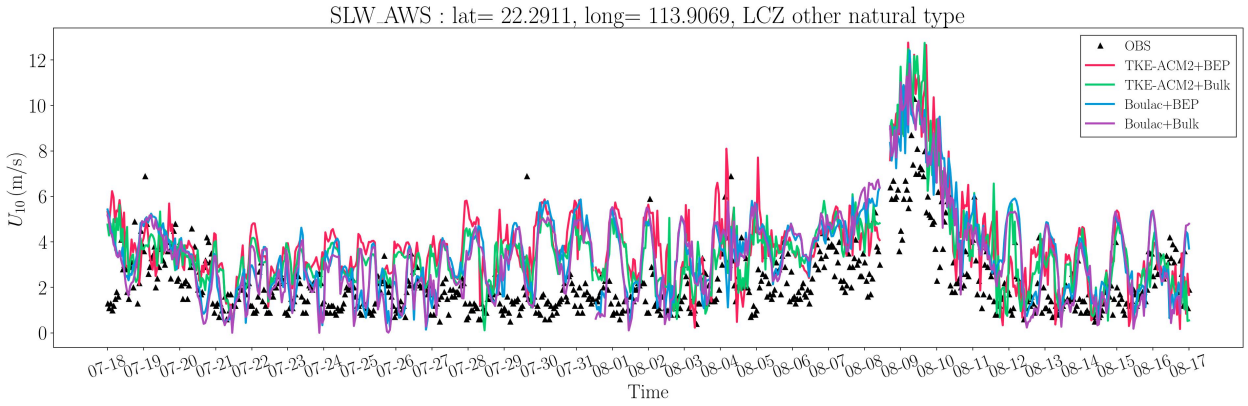

Figure S-31: U_{10} at SLW_AWS station.

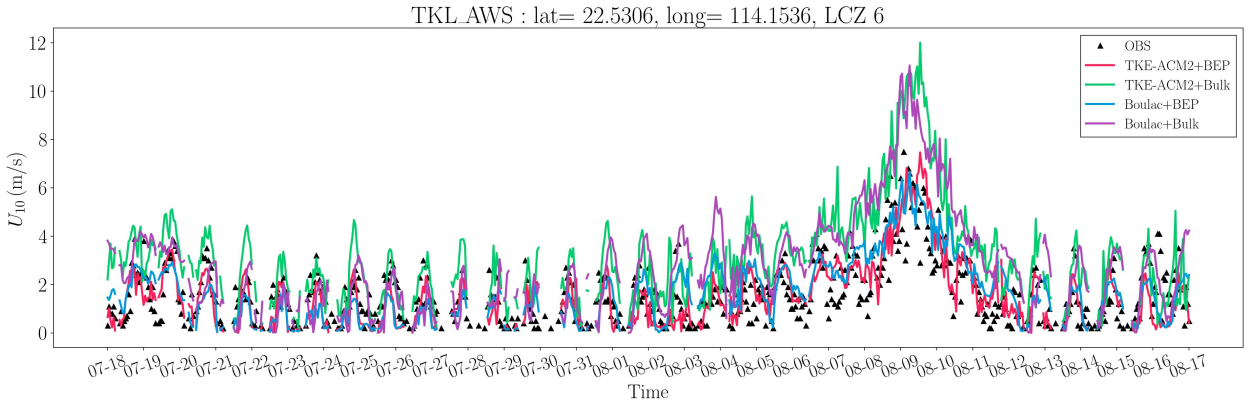

Figure S-32: U_{10} at TKL_AWS station.

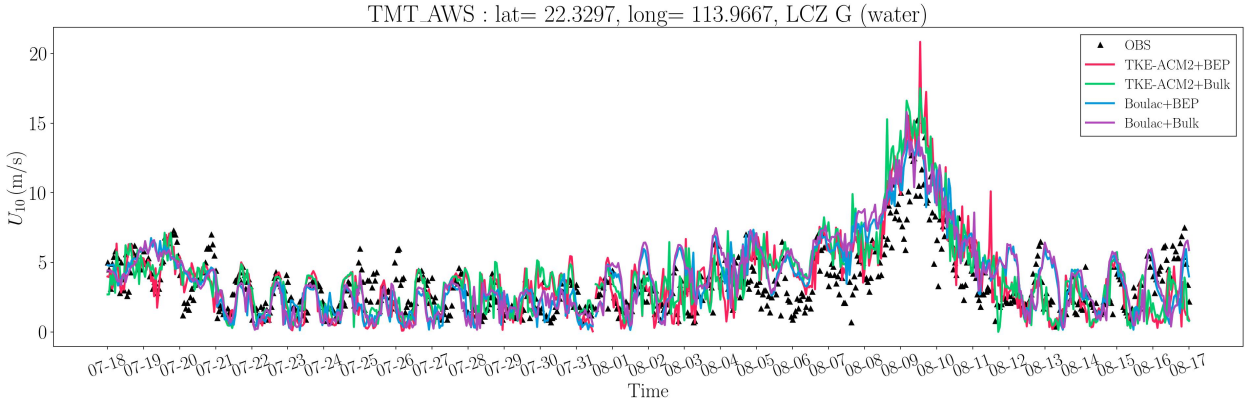

Figure S-33: U_{10} at TMT_AWS station.

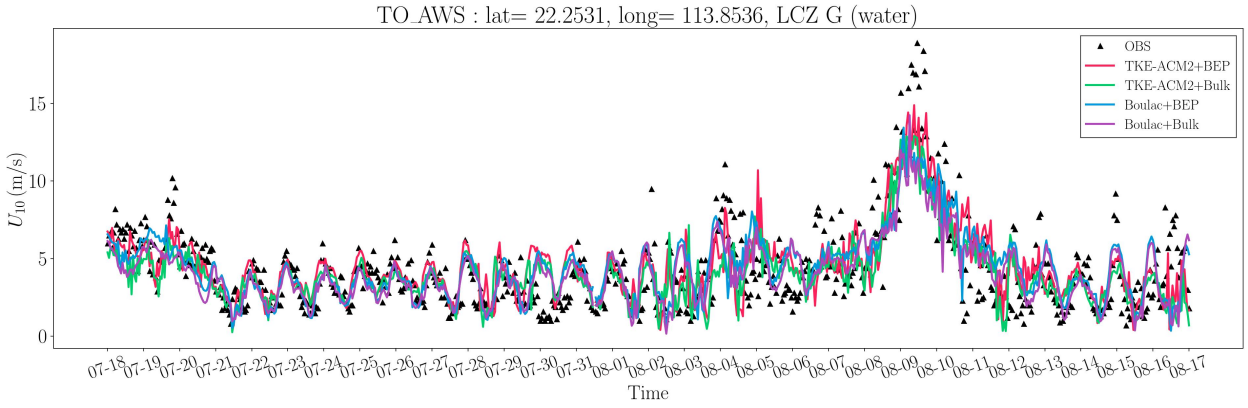

Figure S-34: U_{10} at TO_AWS station.

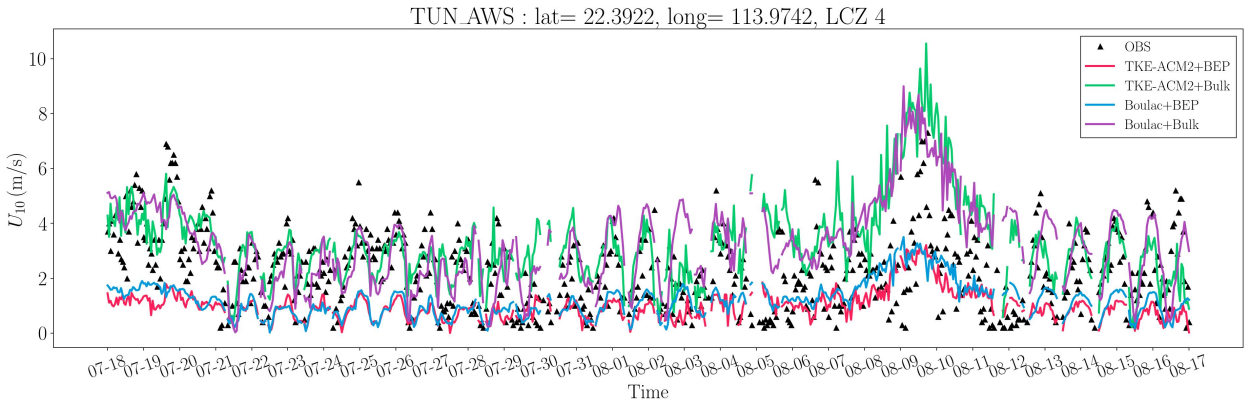

Figure S-35: U_{10} at TUN_AWS station.

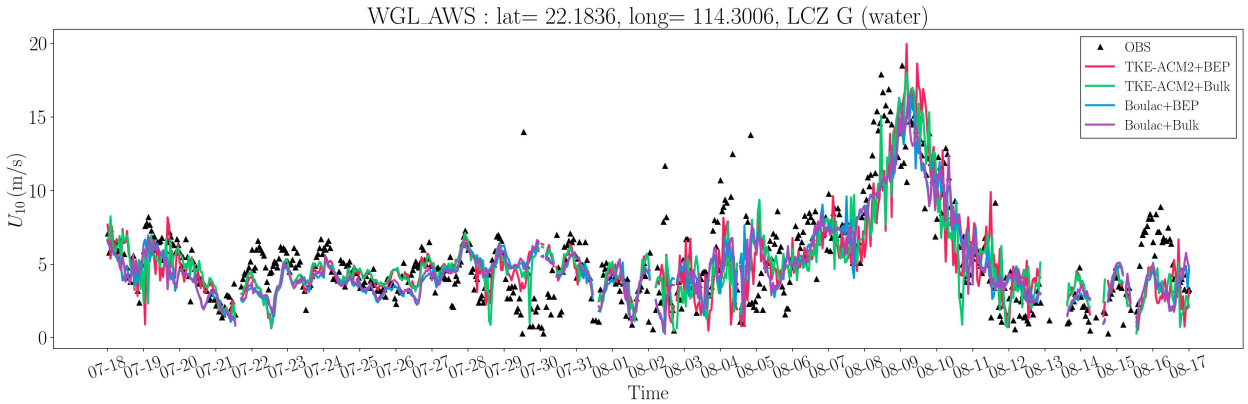

Figure S-36: U_{10} at WGL_AWS station.

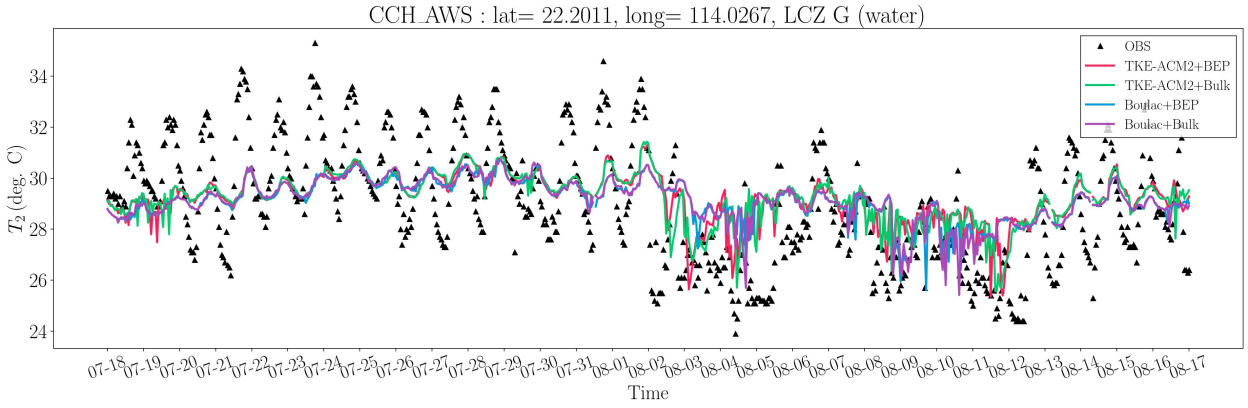

Figure S-37: T_{2} at CCH_AWS station.

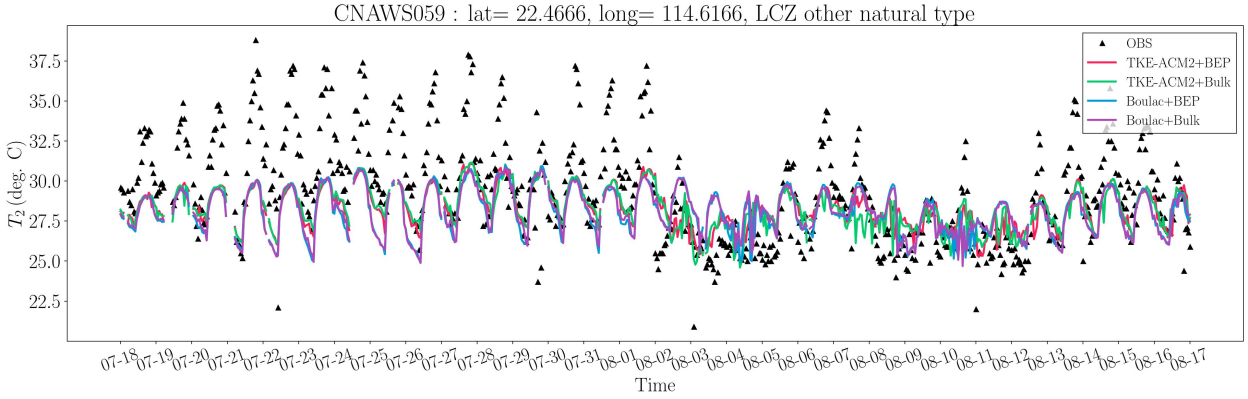

Figure S-38: T_{2} at CNAWS059 station.

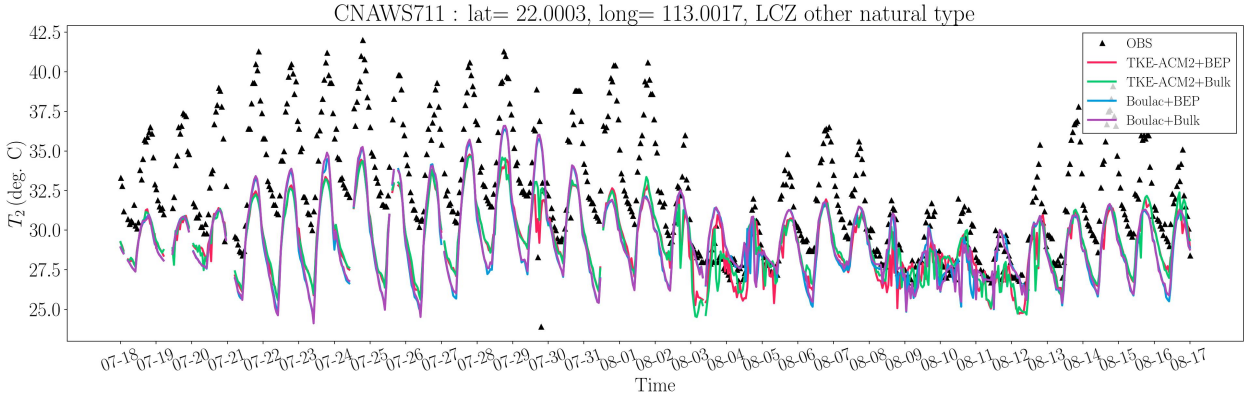

Figure S-39: T_{2} at CNAWS711 station.

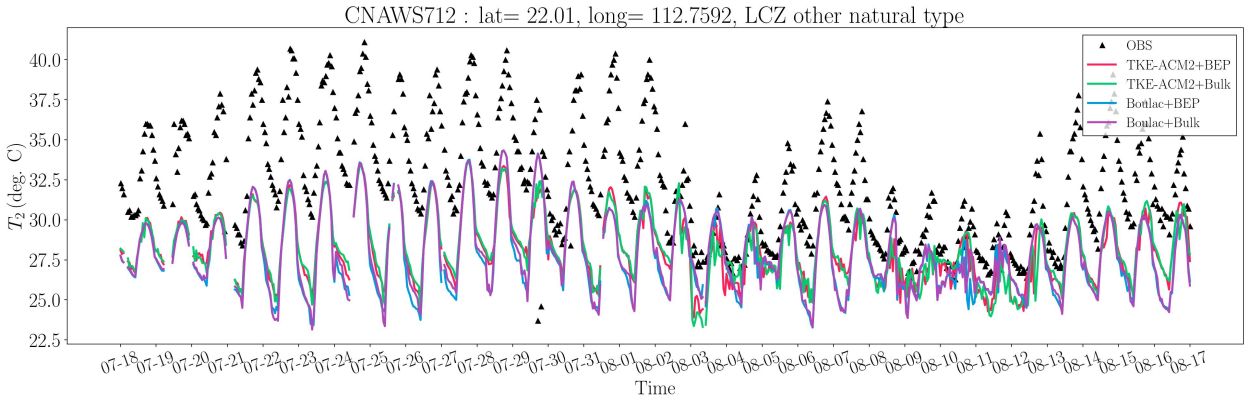

Figure S-40: T_{2} at CNAWS712 station.

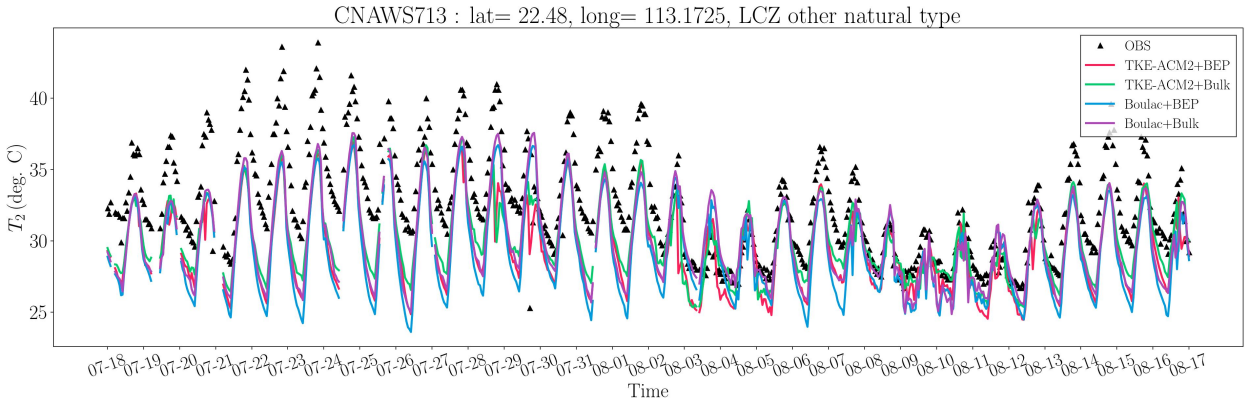

Figure S-41: T_{2} at CNAWS713 station.

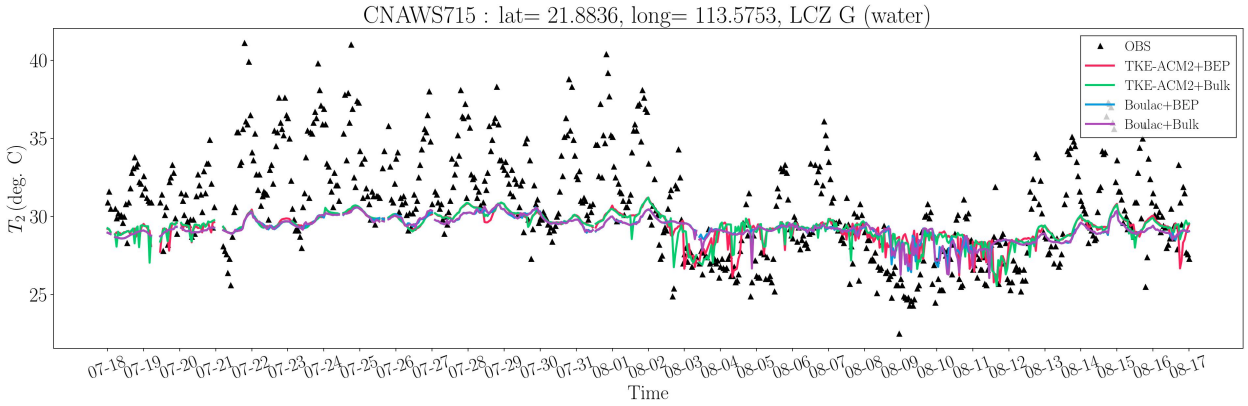

Figure S-42: T_{2} at CNAWS715 station.

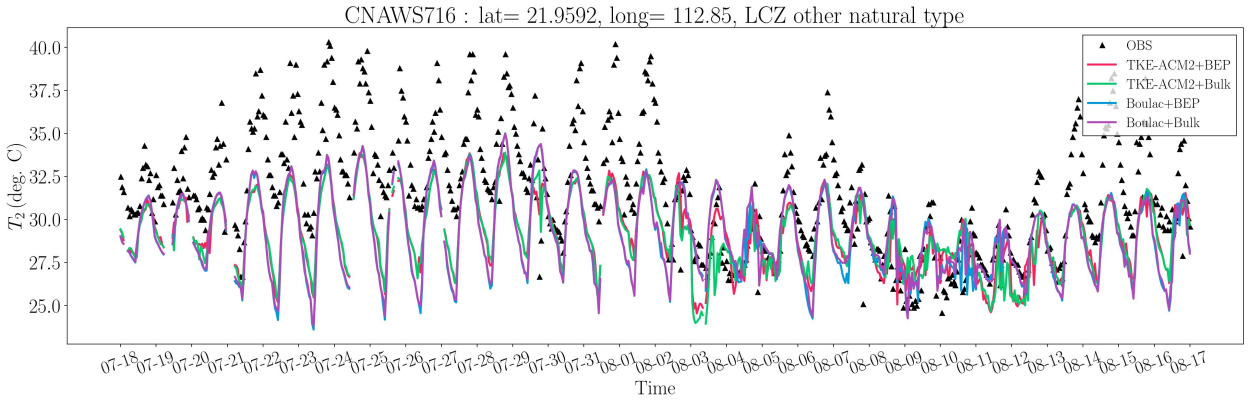

Figure S-43: T_{2} at CNAWS716 station.

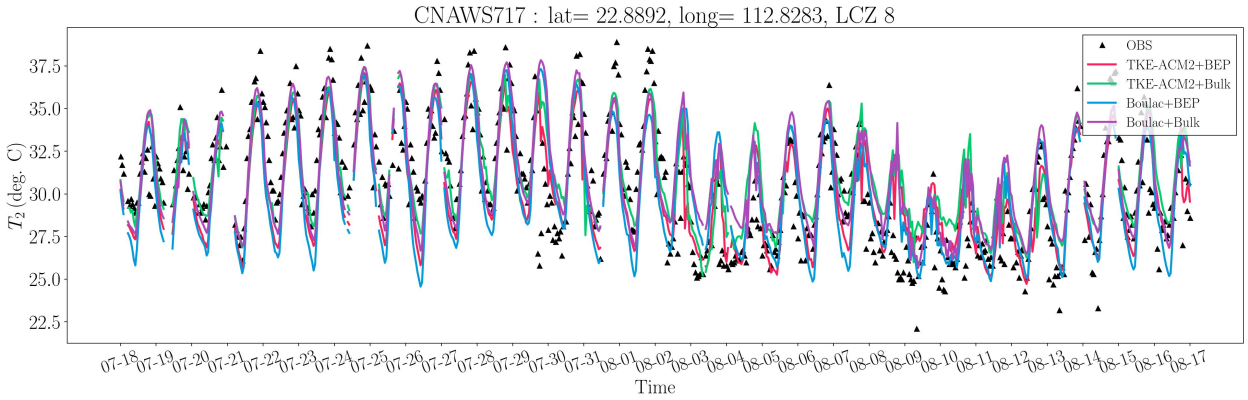

Figure S-44: T_{2} at CNAWS717 station.

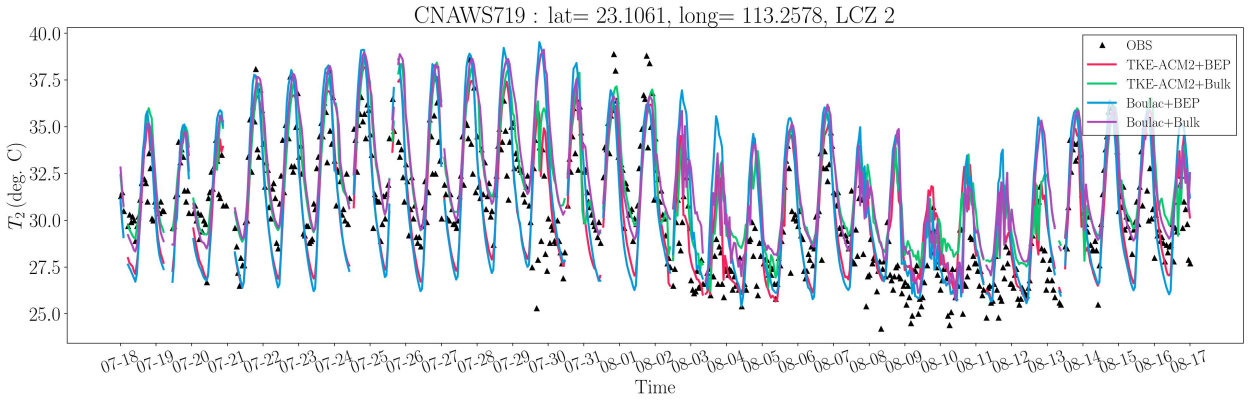

Figure S-45: T_{2} at CNAWS719 station.

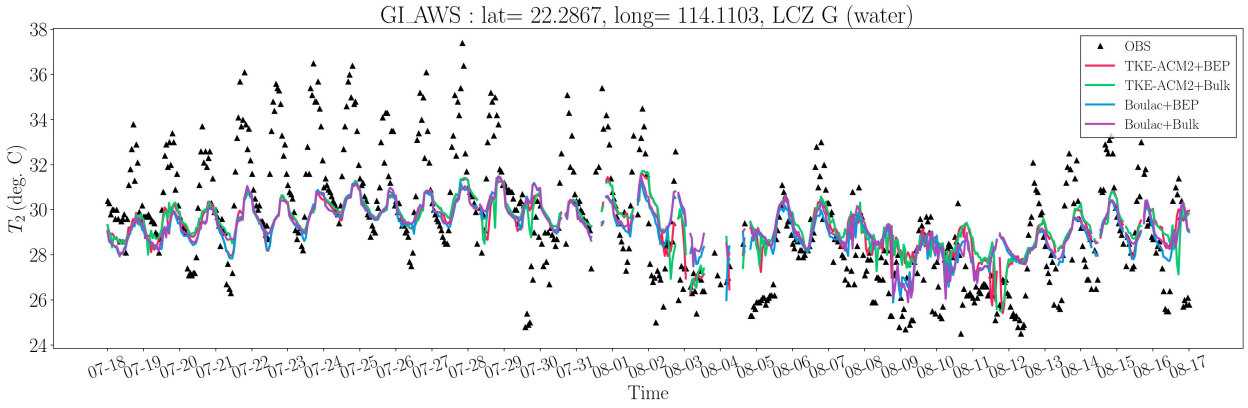

Figure S-46: T_{2} at GI_AWS station.

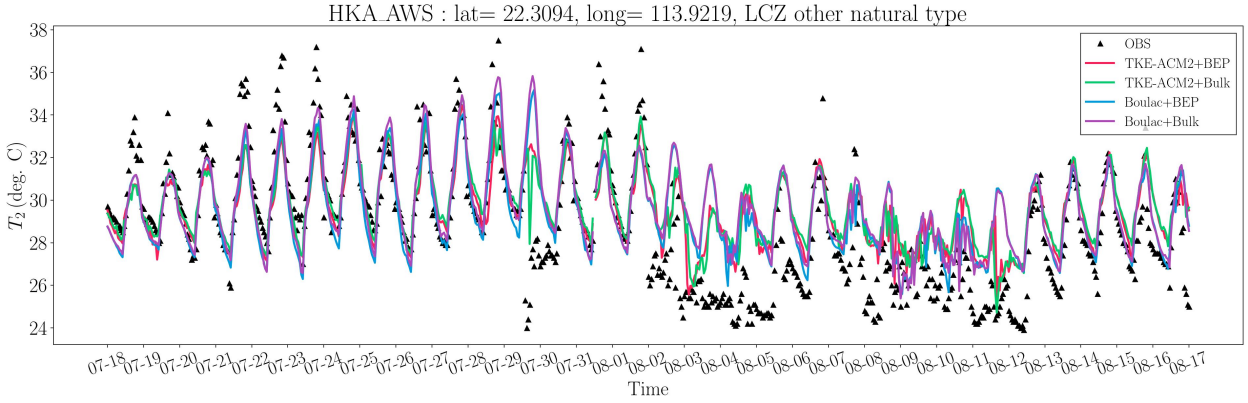

Figure S-47: T_{2} at HKA_AWS station.

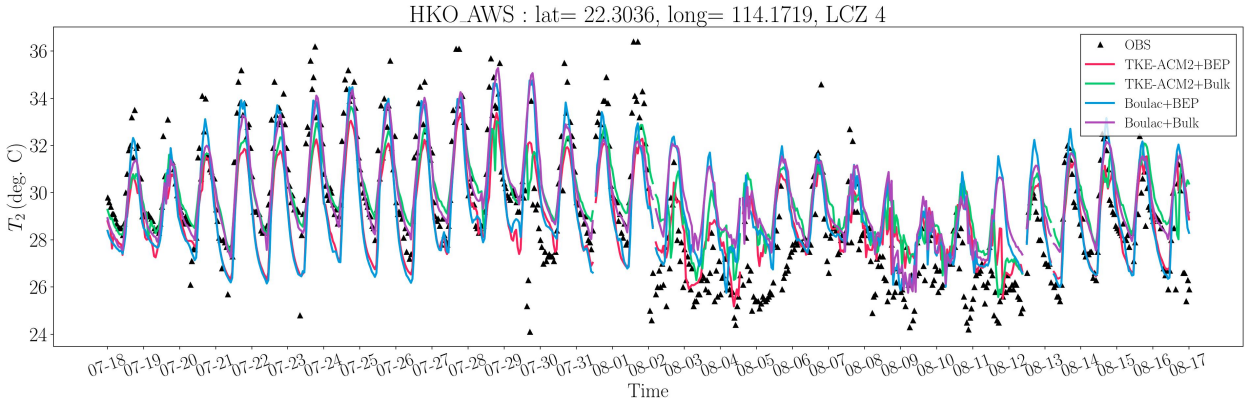

Figure S-48: T_{2} at HKO_AWS station.

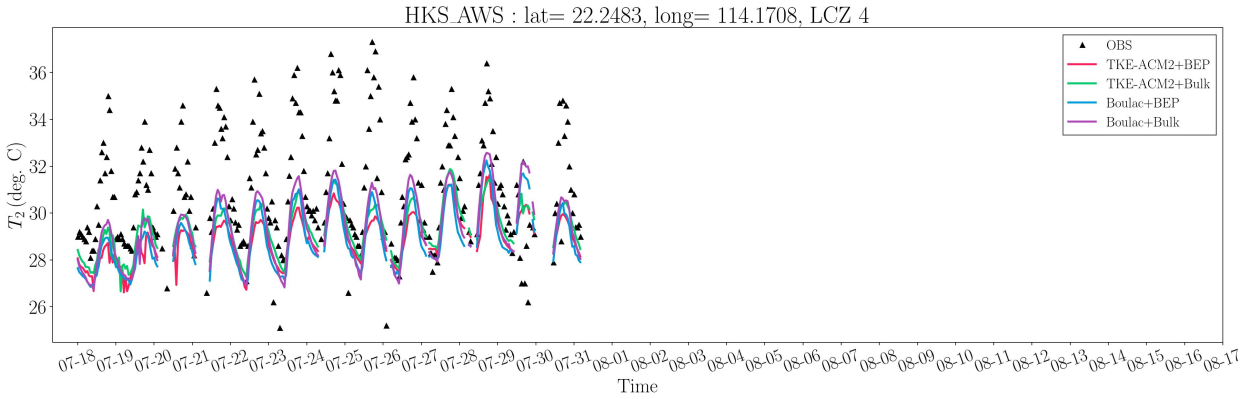

Figure S-49: T_{2} at HKS_AWS station.

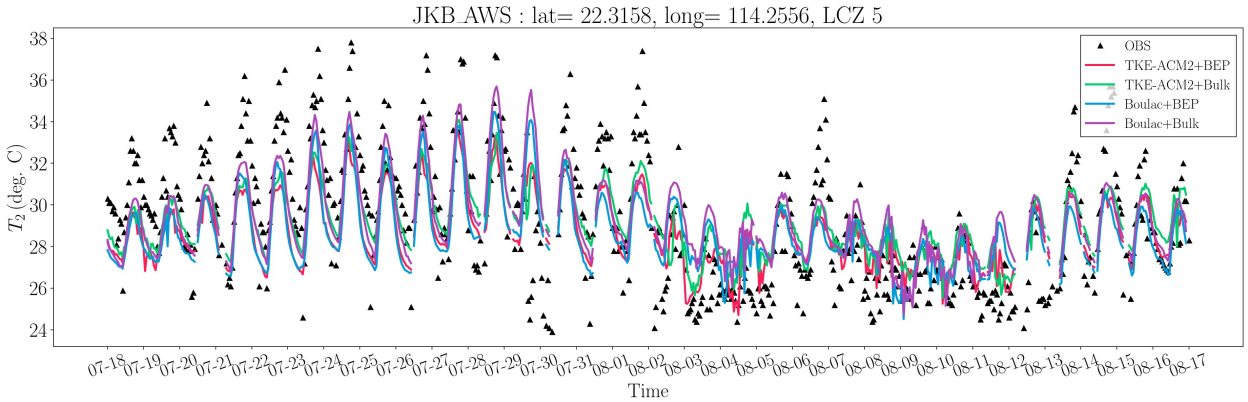

Figure S-50: T_{2} at JKB_AWS station.

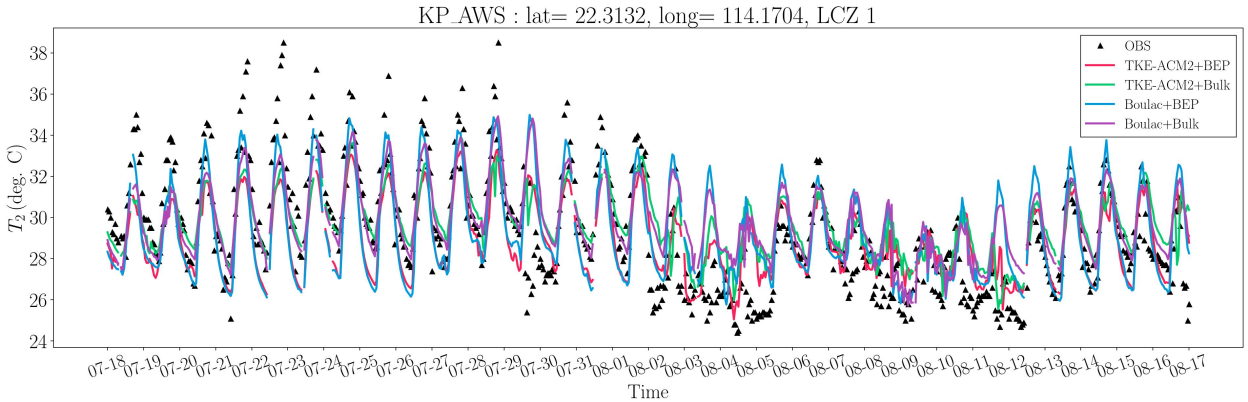

Figure S-51: T_{2} at KP_AWS station.

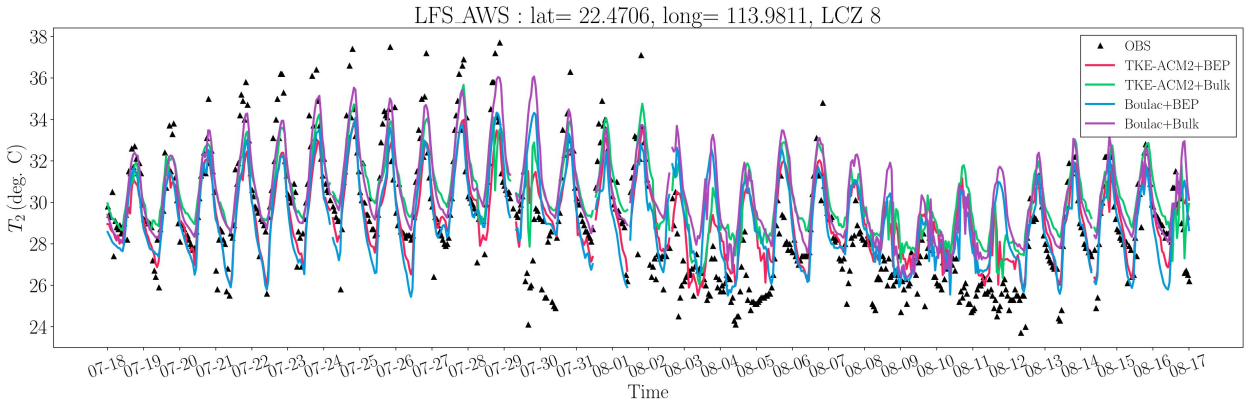

Figure S-52: T_{2} at LFS_AWS station.

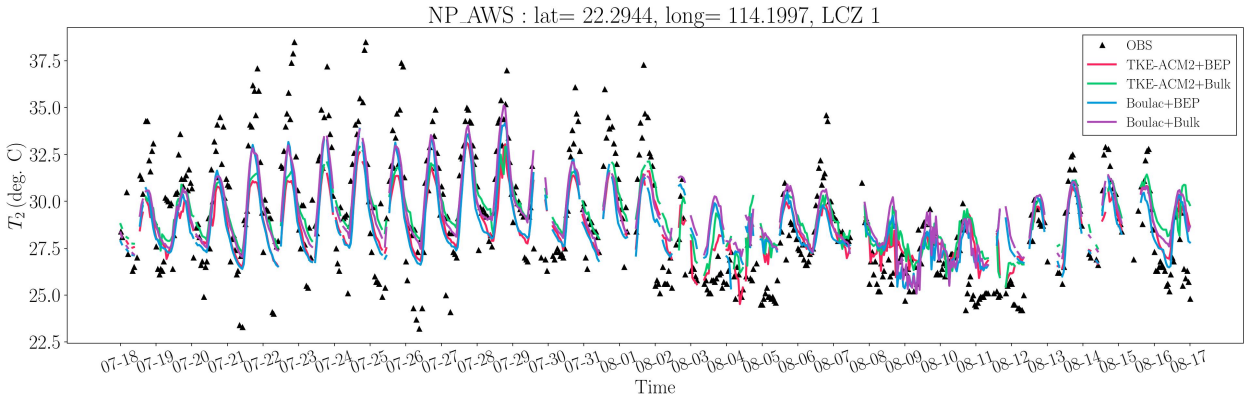

Figure S-53: T_{2} at NP_AWS station.

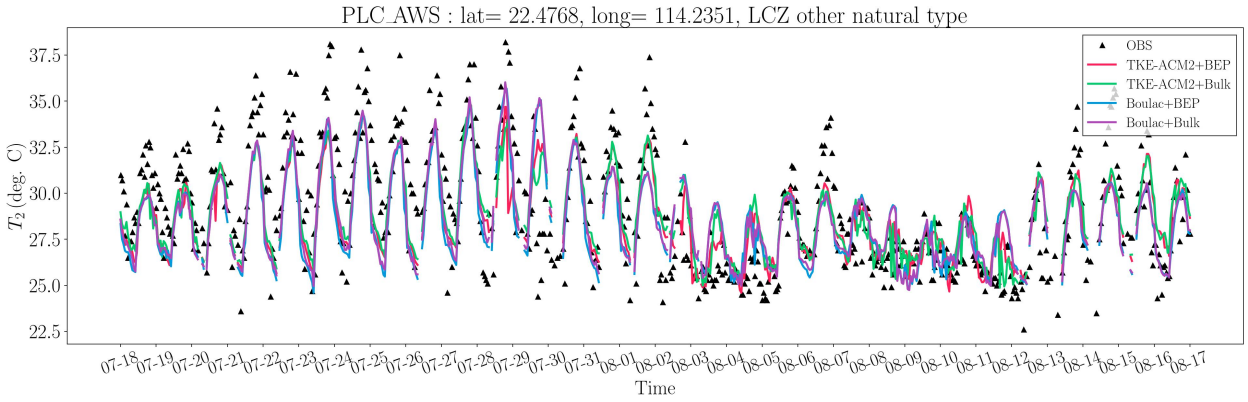

Figure S-54: T_{2} at PLC_AWS station.

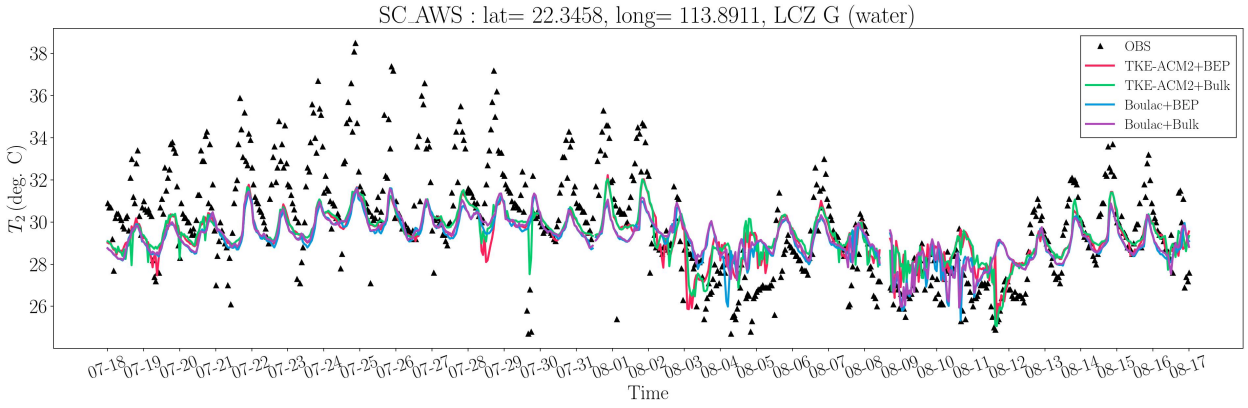

Figure S-55: T_{2} at SC_AWS station.

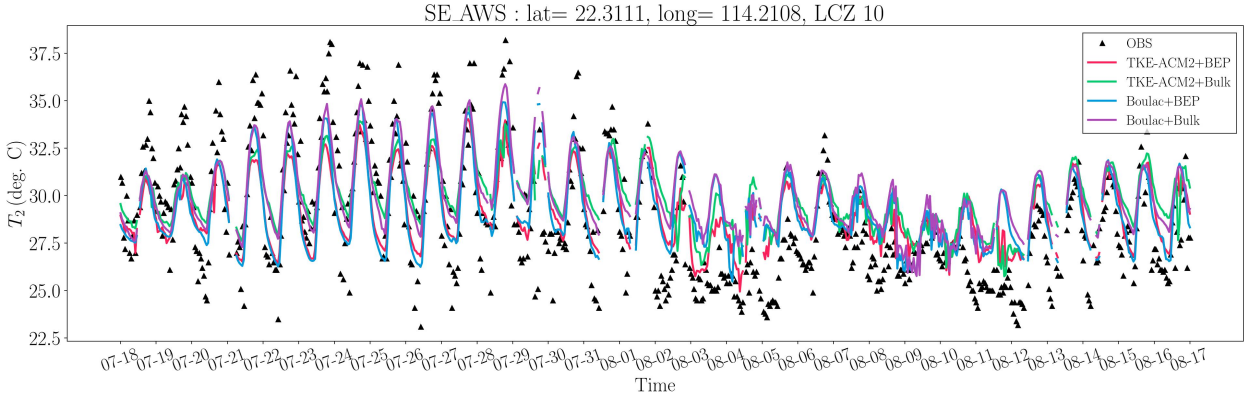

Figure S-56: T_{2} at SE_AWS station.

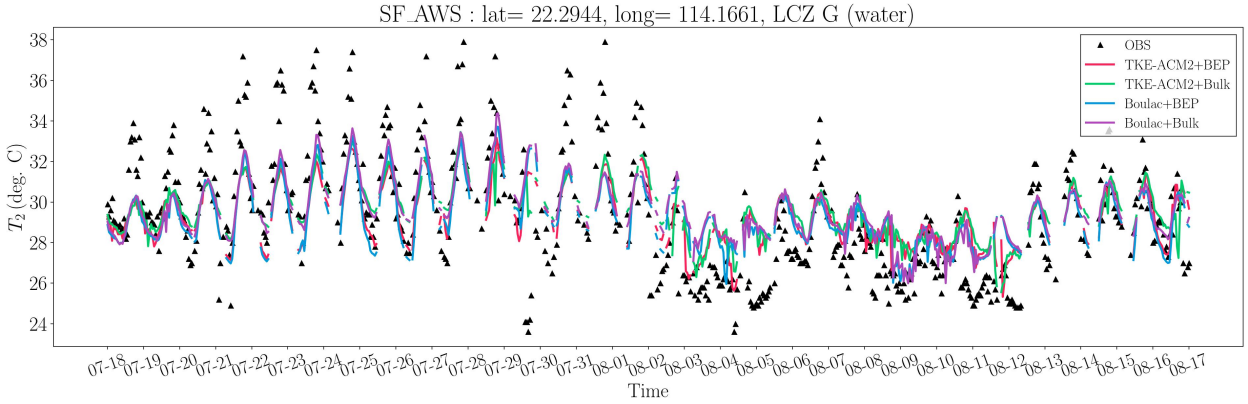

Figure S-57: T_{2} at SF_AWS station.

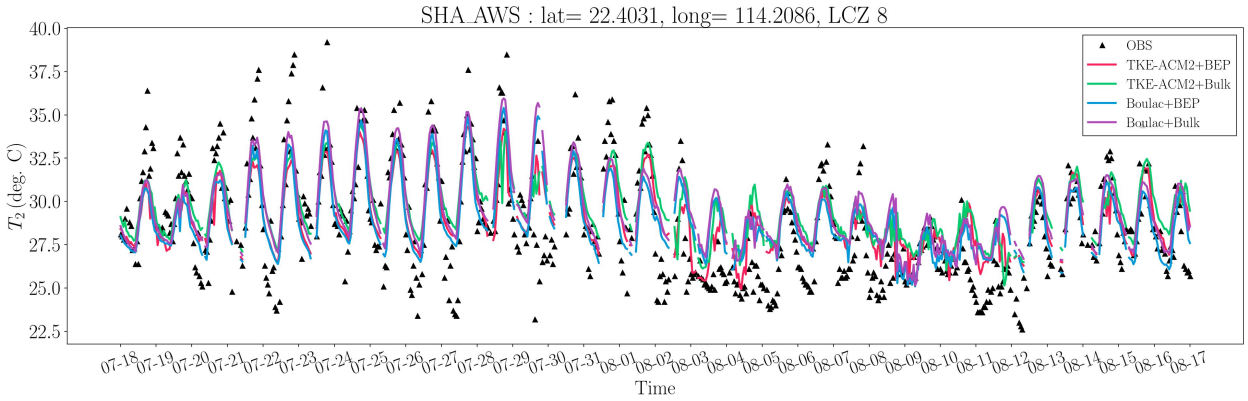

Figure S-58: T_{2} at SHA_AWS station.

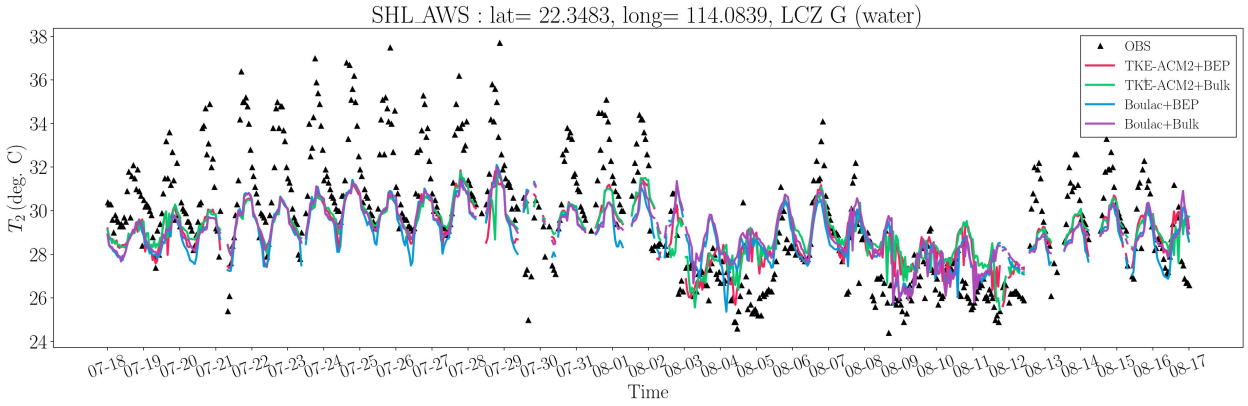

Figure S-59: T_{2} at SHL_AWS station.

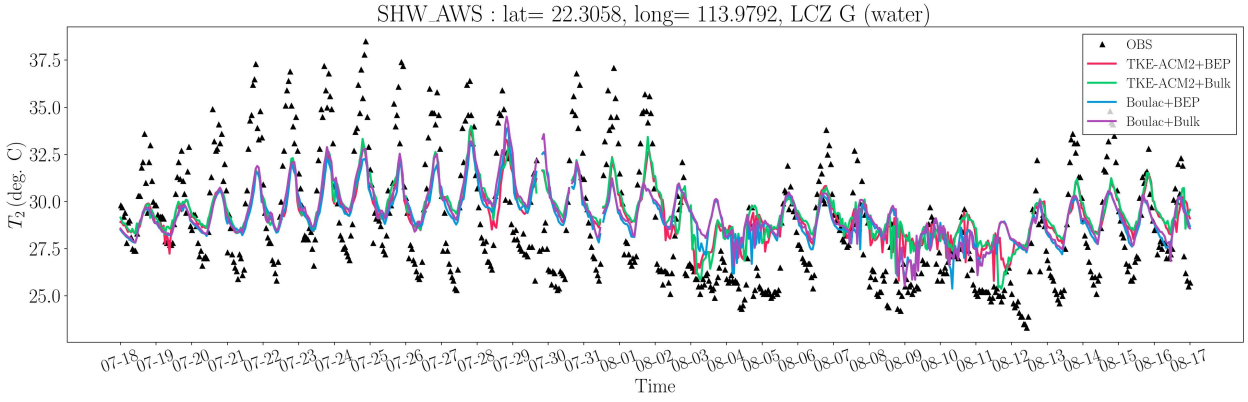

Figure S-60: T_{2} at SHW_AWS station.

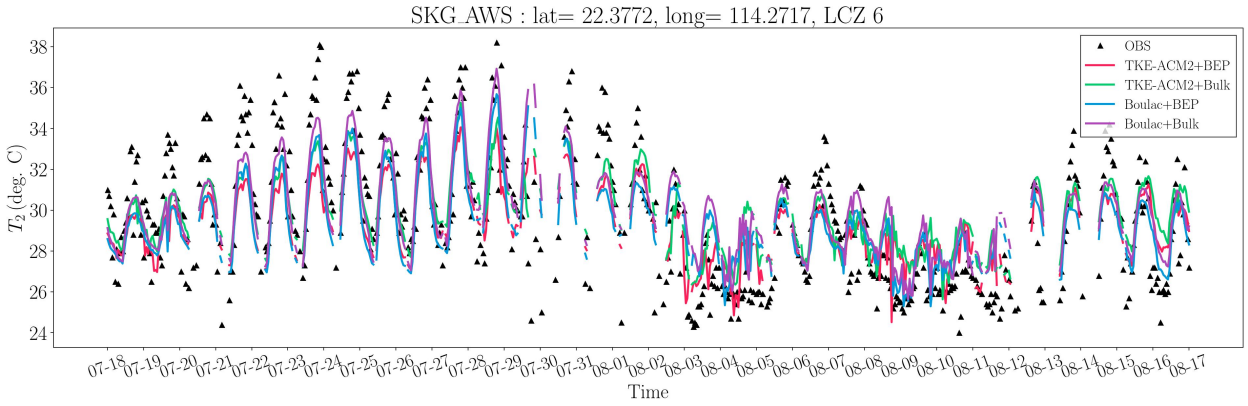

Figure S-61: T_{2} at SKG_AWS station.

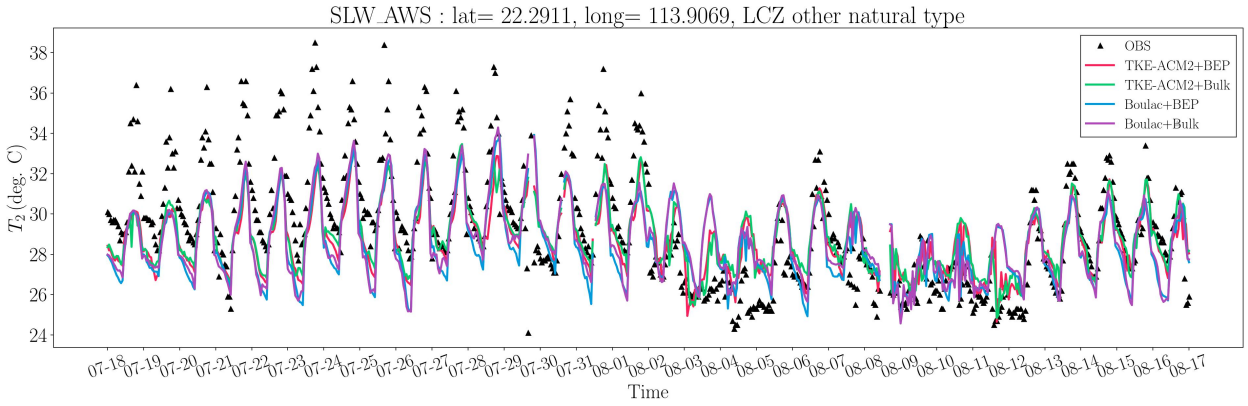

Figure S-62: T_{2} at SLW_AWS station.

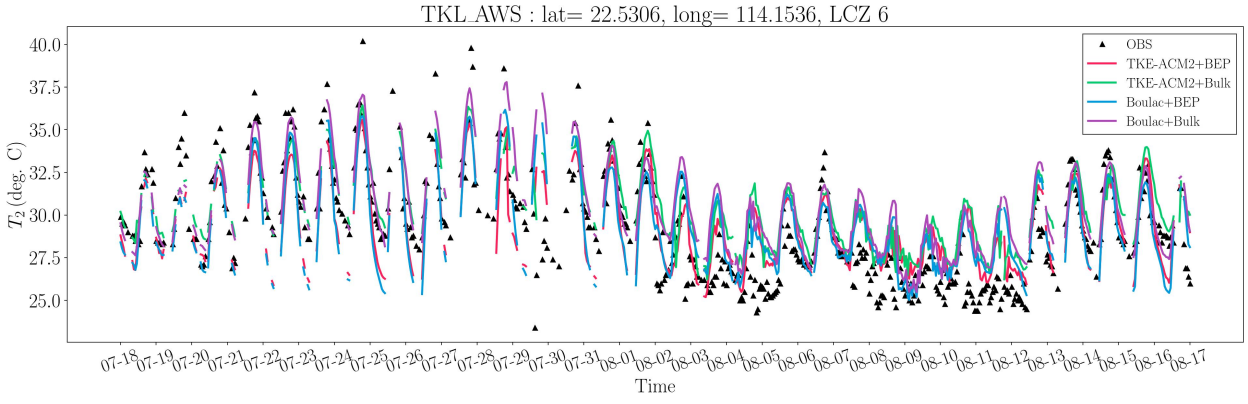

Figure S-63: T_{2} at TKL_AWS station.

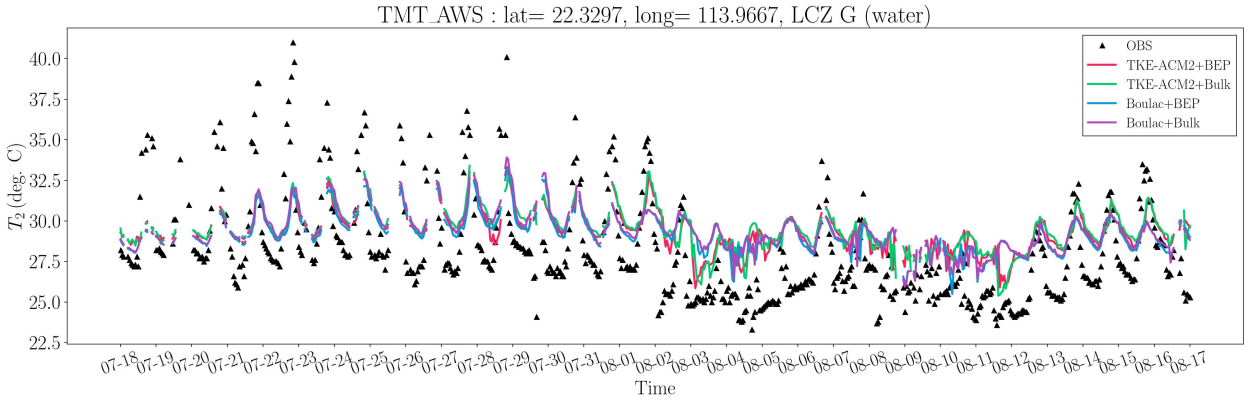

Figure S-64: T_{2} at TMT_AWS station.

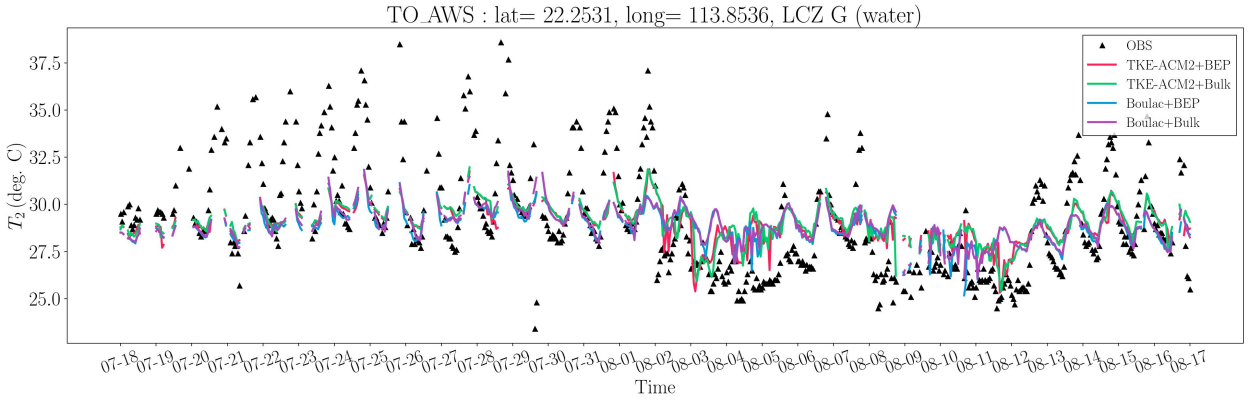

Figure S-65: T_{2} at TO_AWS station.

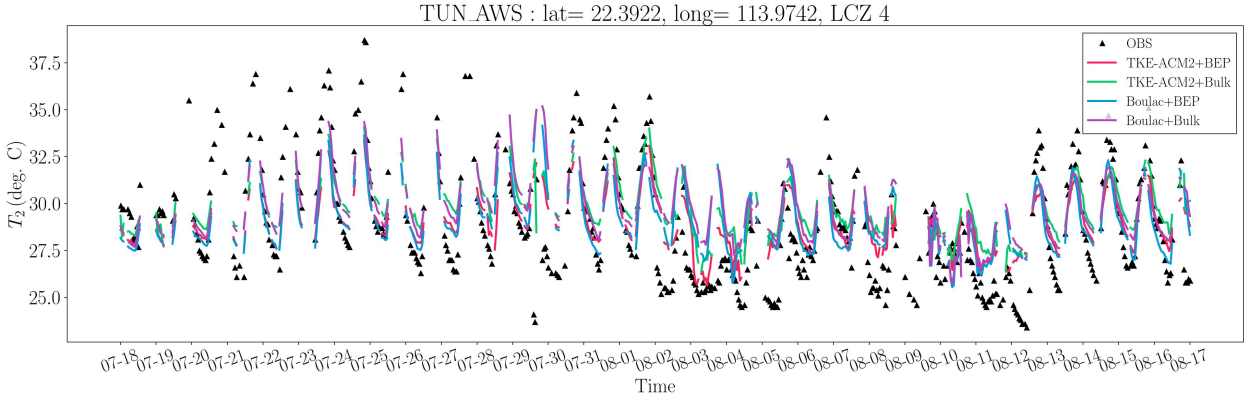

Figure S-66: T_{2} at TUN_AWS station.

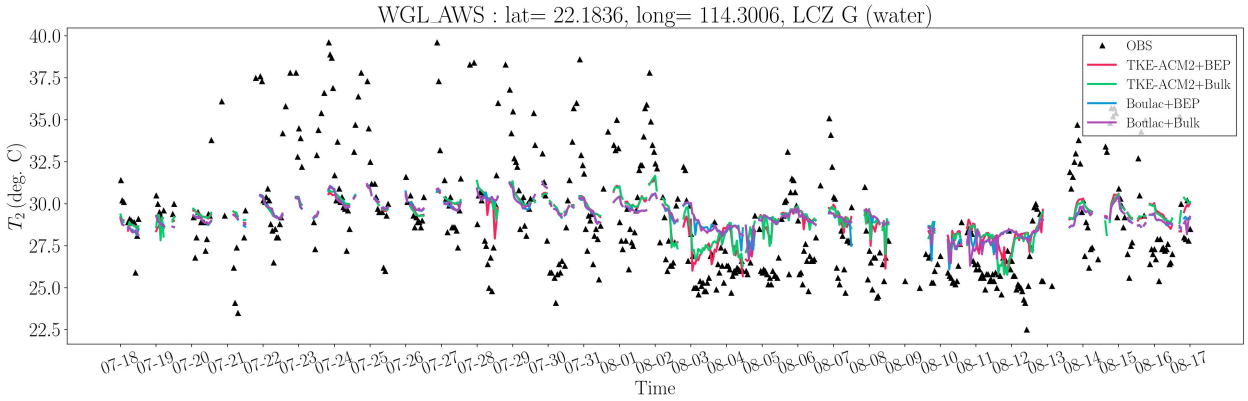

Figure S-67: T_{2} at WGL_AWS station.

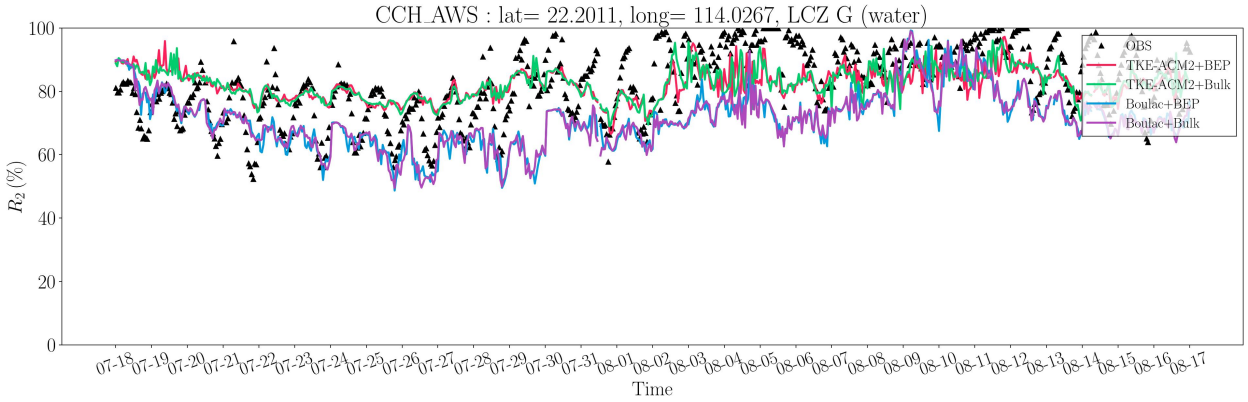

Figure S-68: RH_{2} at CCH_AWS station.

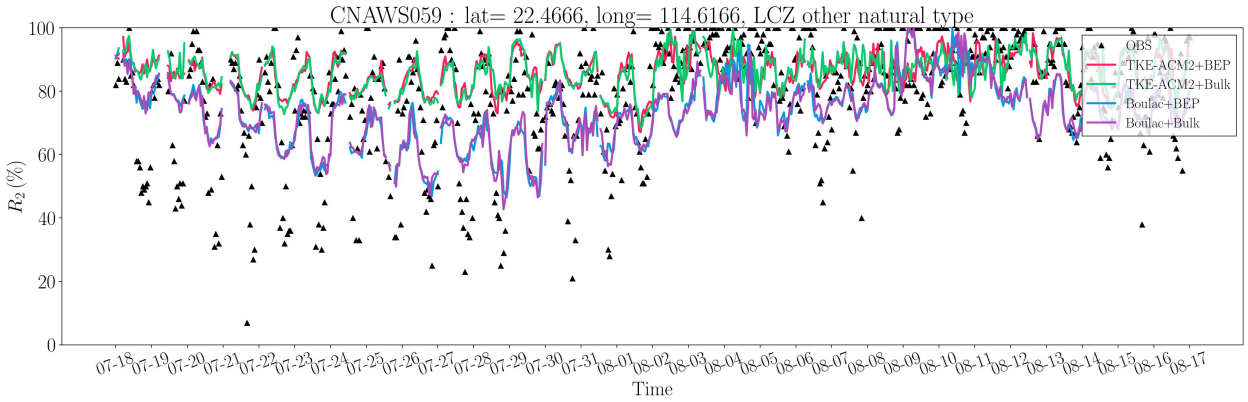

Figure S-69: RH_{2} at CNAWS059 station.

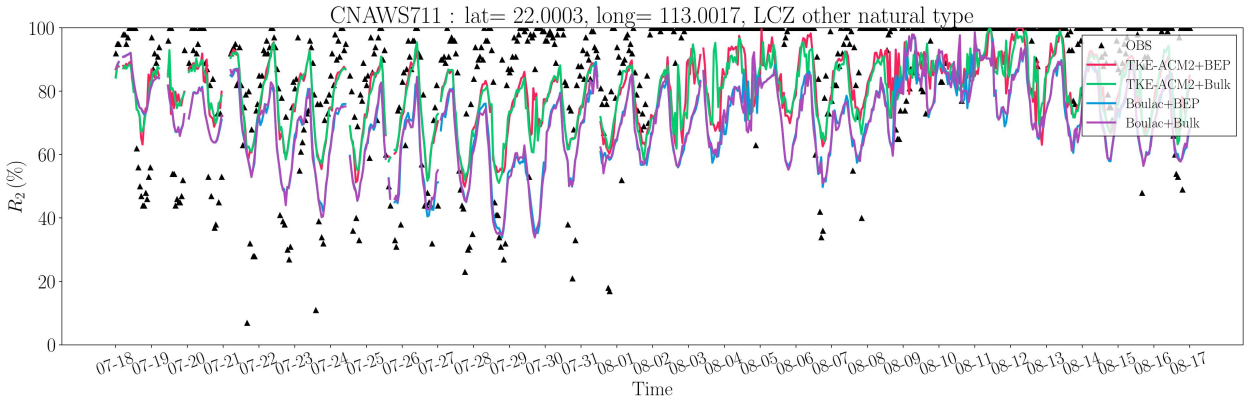

Figure S-70: RH_{2} at CNAWS711 station.

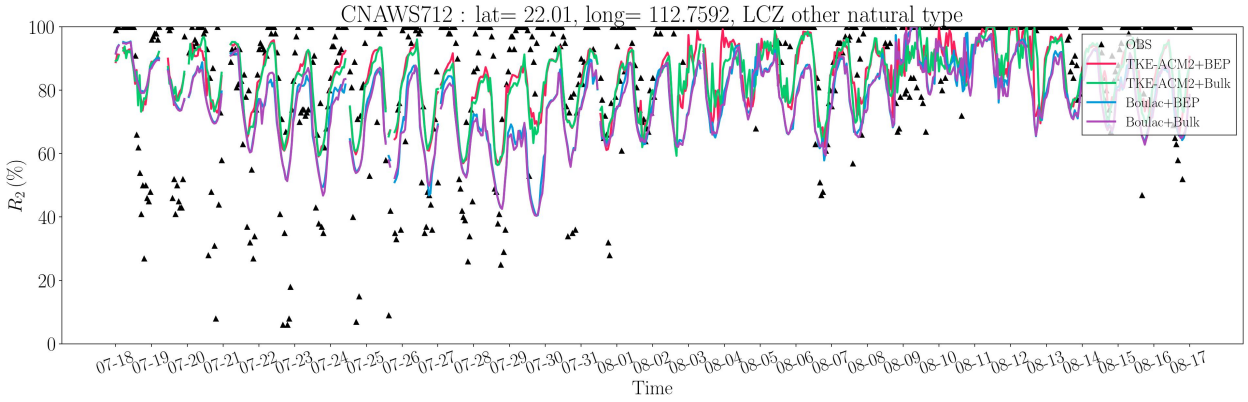

Figure S-71: RH_{2} at CNAWS712 station.

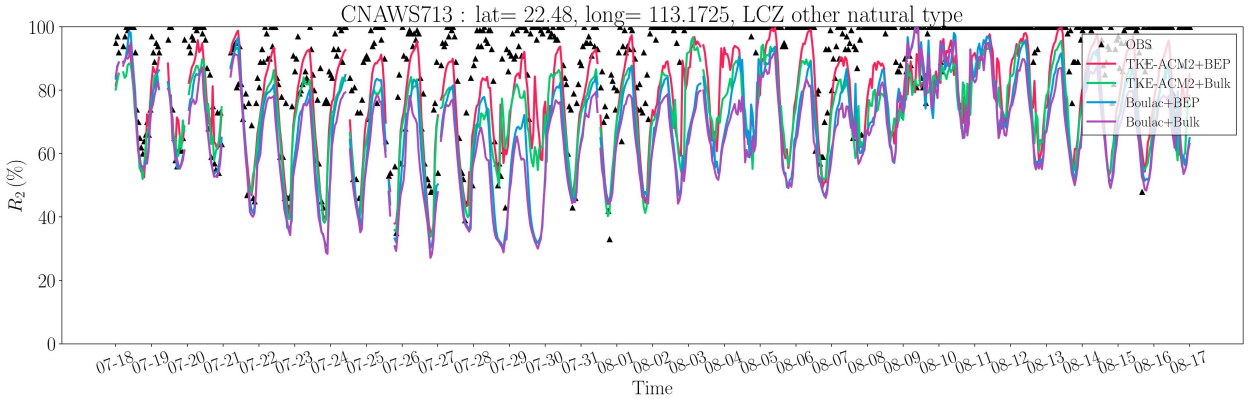

Figure S-72: RH_{2} at CNAWS713 station.

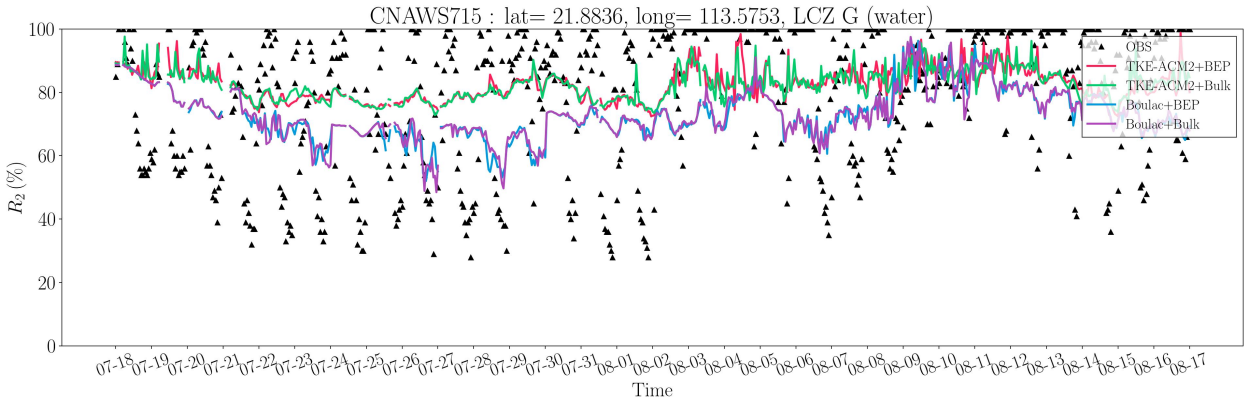

Figure S-73: RH_{2} at CNAWS715 station.

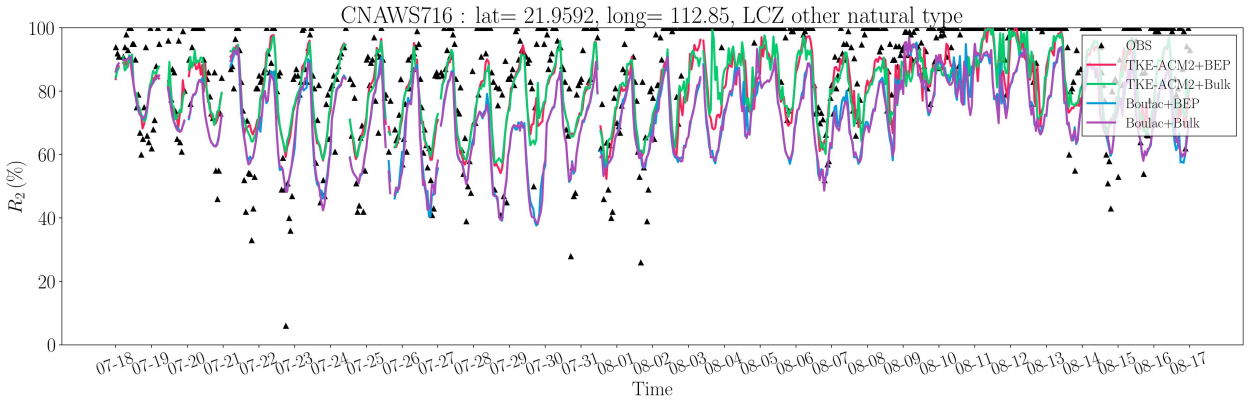

Figure S-74: RH_{2} at CNAWS716 station.

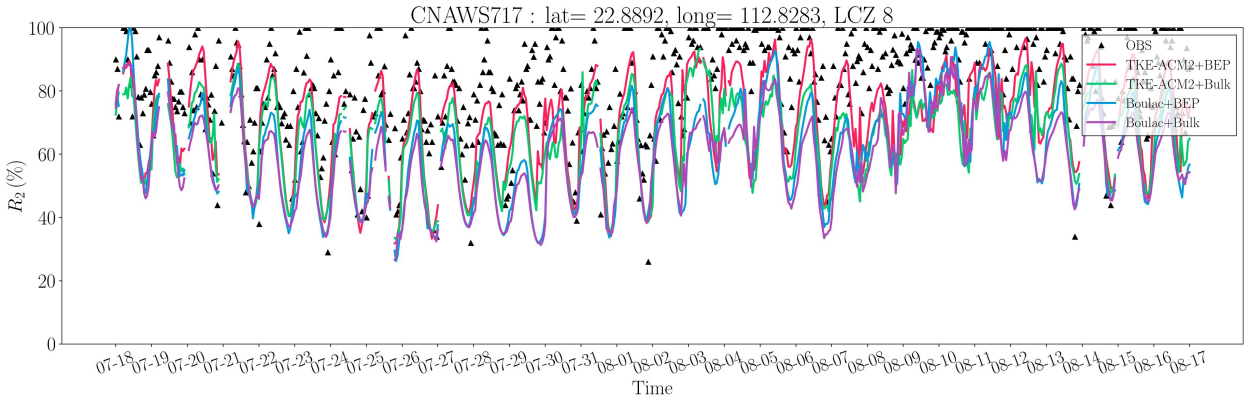

Figure S-75: RH_{2} at CNAWS717 station.

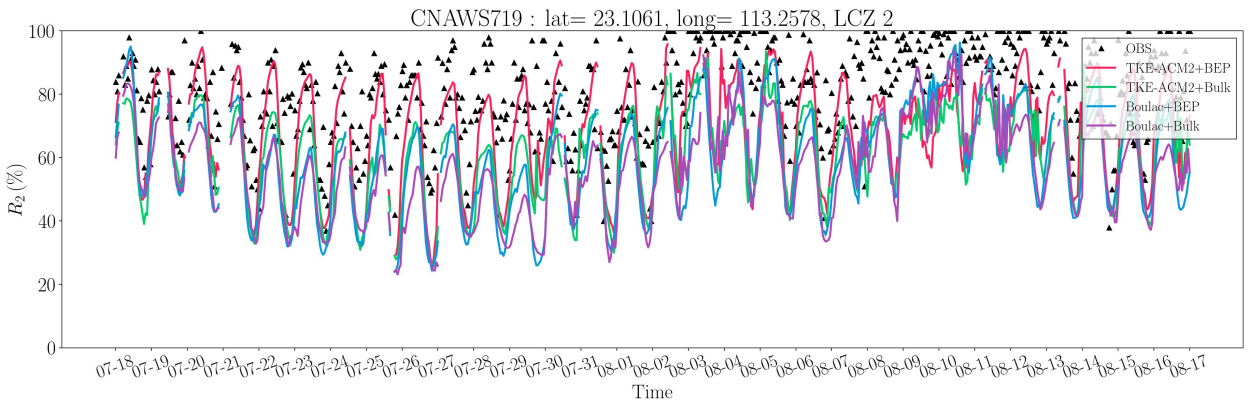

Figure S-76: RH_{2} at CNAWS719 station.

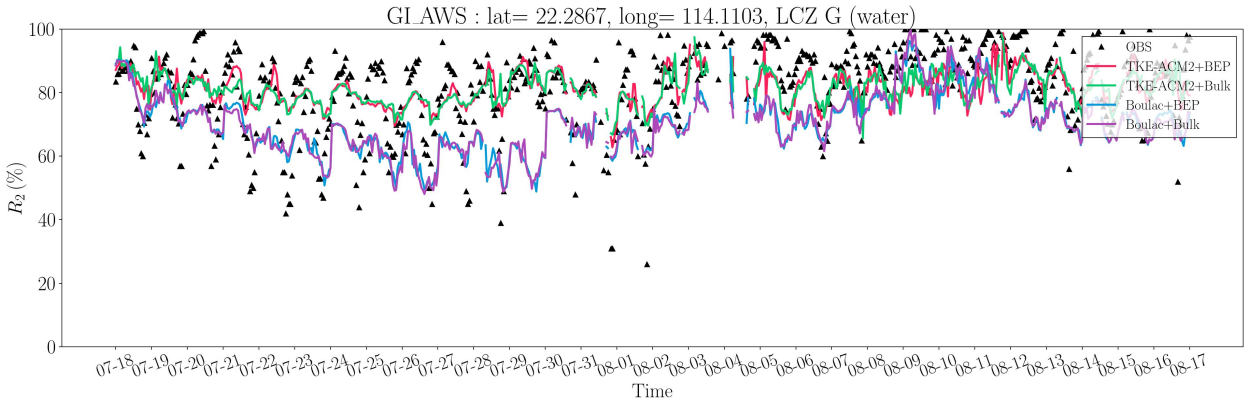

Figure S-77: RH_{2} at GI_AWS station.

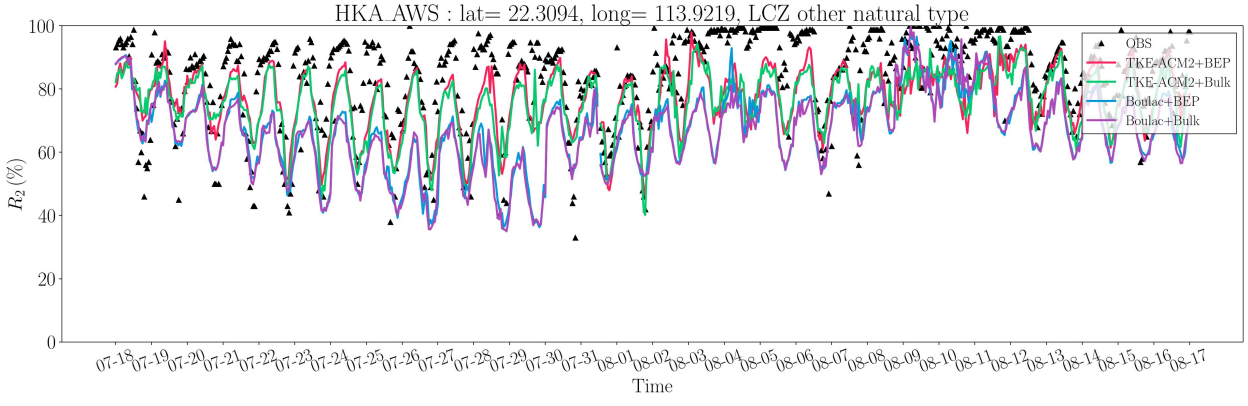

Figure S-78: RH_{2} at HKA_AWS station.

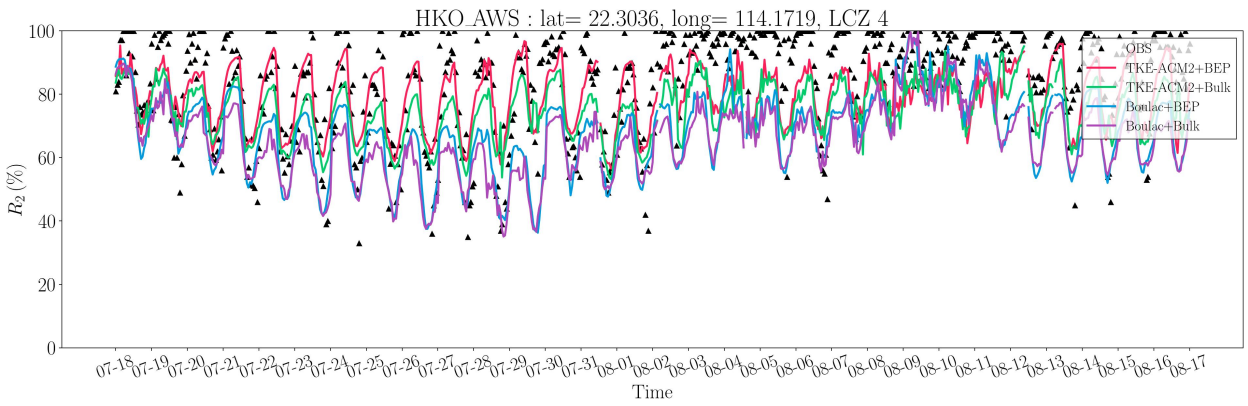

Figure S-79: RH_{2} at HKO_AWS station.

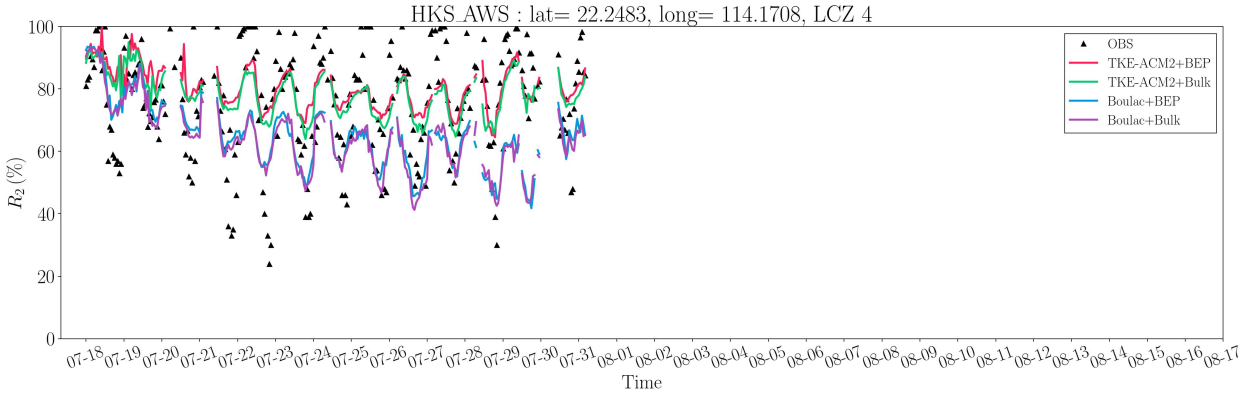

Figure S-80: RH_{2} at HKS_AWS station.

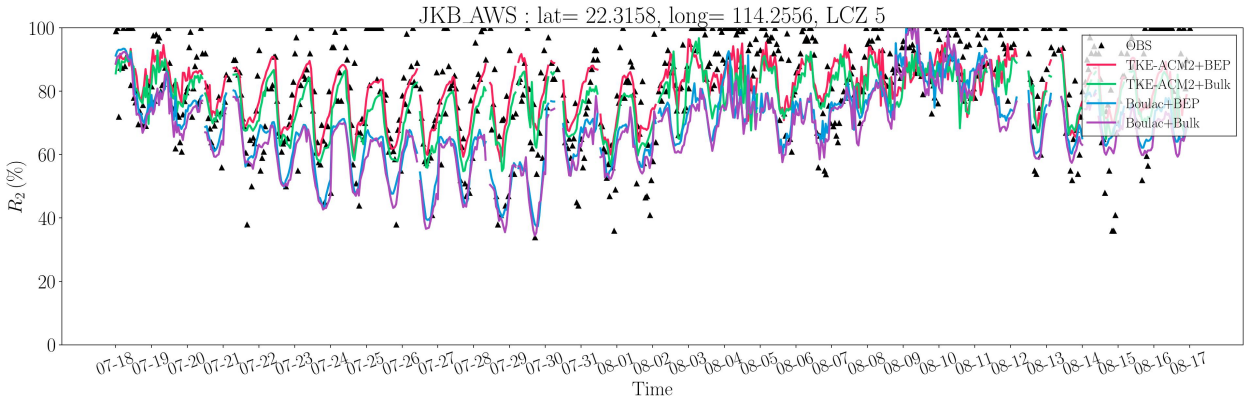

Figure S-81: RH_{2} at JKB_AWS station.

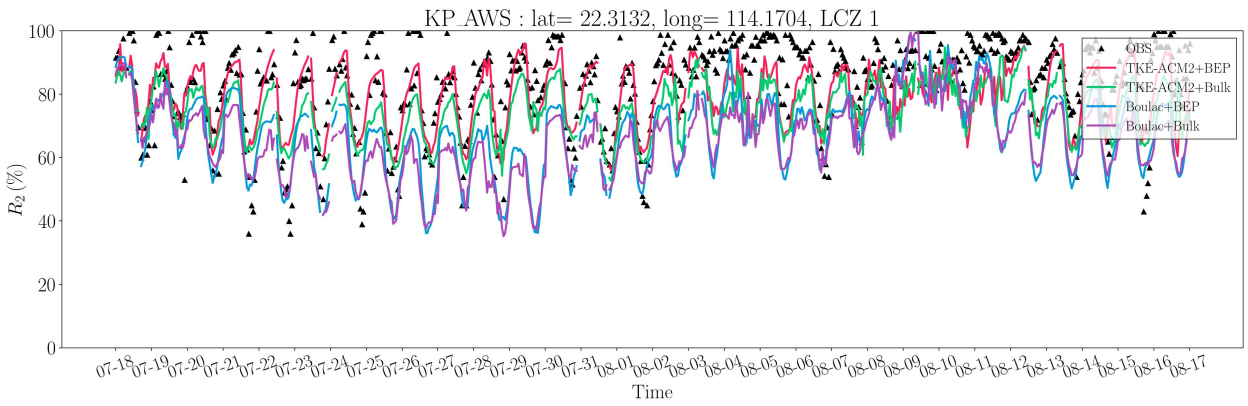

Figure S-82: RH_{2} at KP_AWS station.

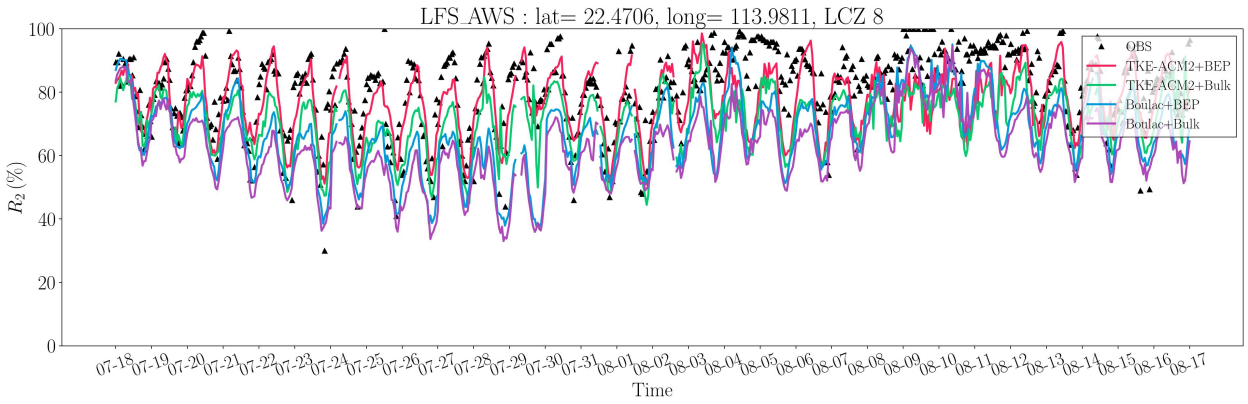

Figure S-83: RH_{2} at LFS_AWS station.

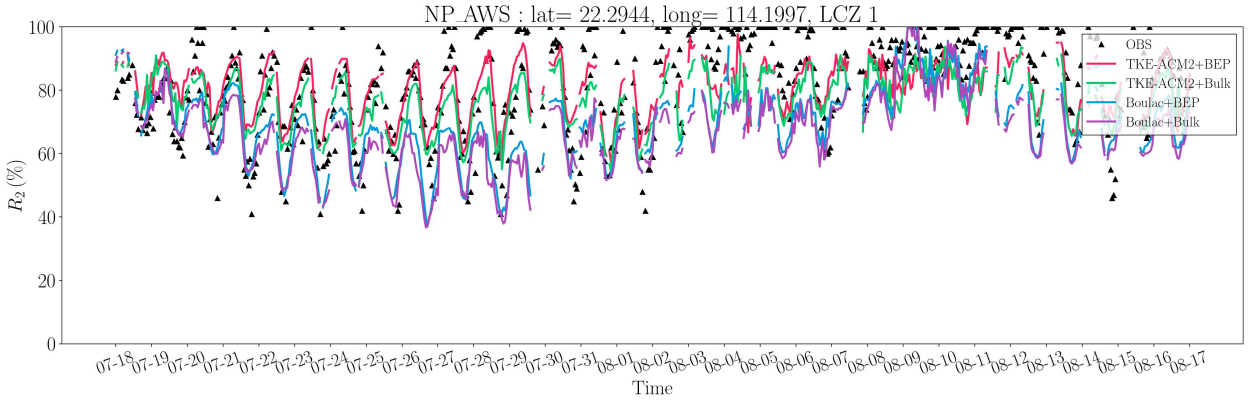

Figure S-84: RH_{2} at NP_AWS station.

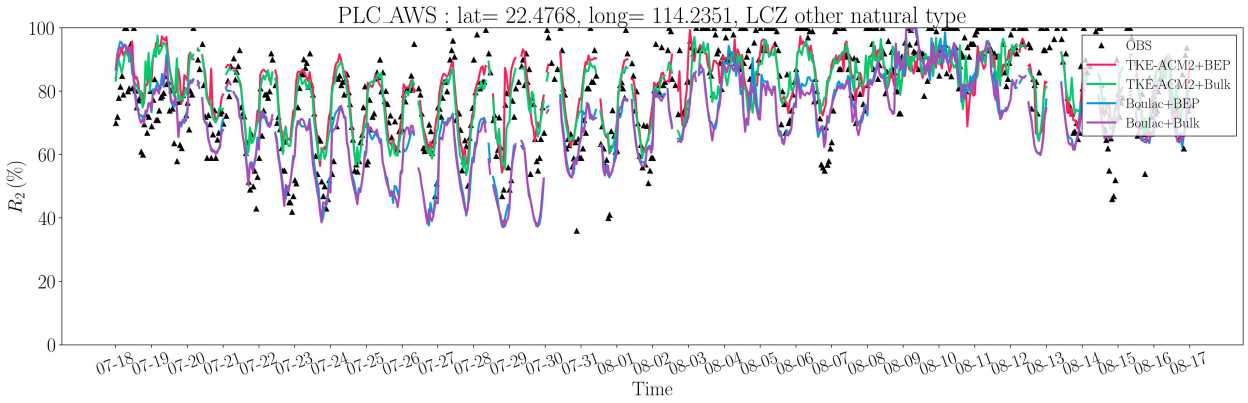

Figure S-85: RH_{2} at PLC_AWS station.

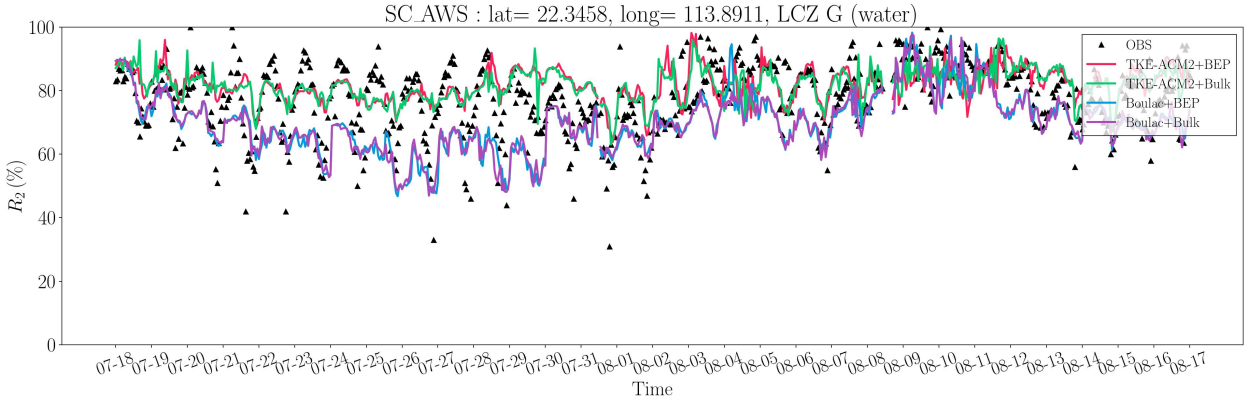

Figure S-86: RH_{2} at SC_AWS station.

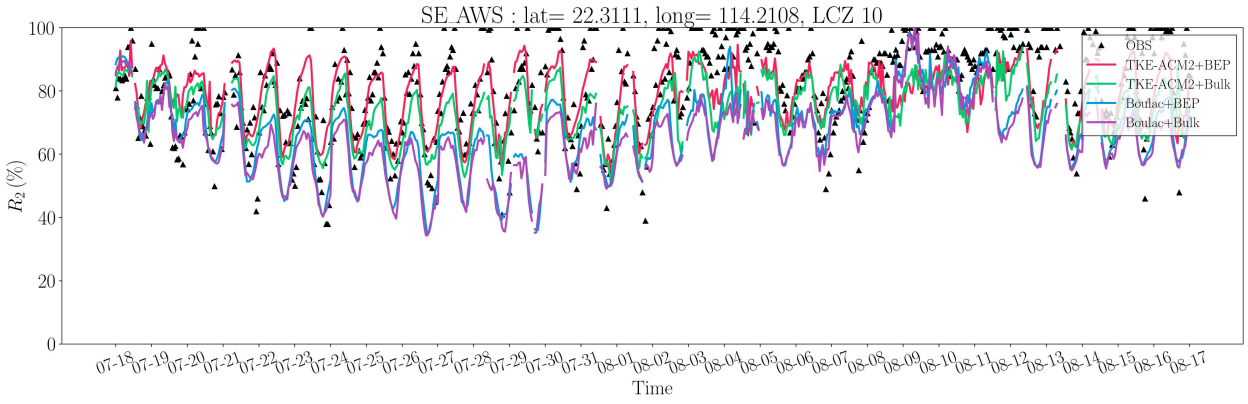

Figure S-87: RH_{2} at SE_AWS station.

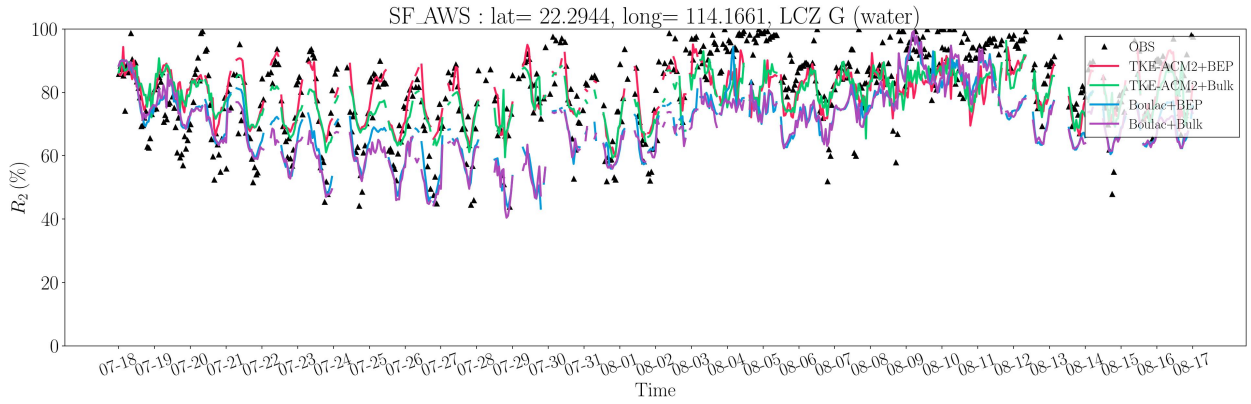

Figure S-88: RH_{2} at SF_AWS station.

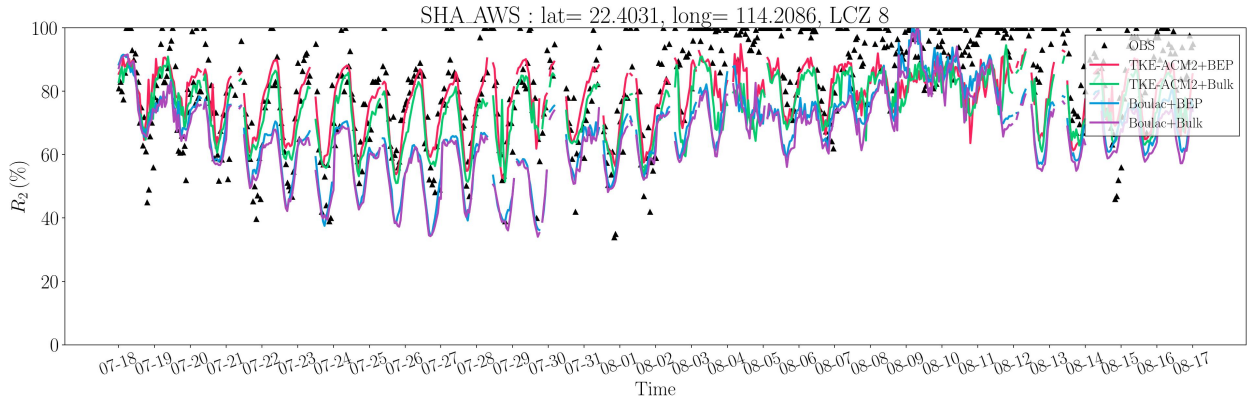

Figure S-89: RH_{2} at SHA_AWS station.

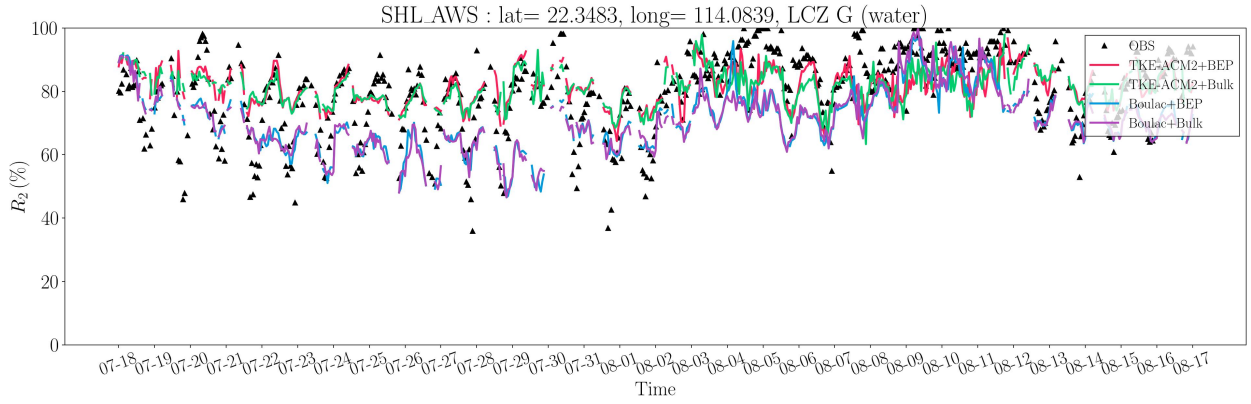

Figure S-90: RH_{2} at SHL_AWS station.

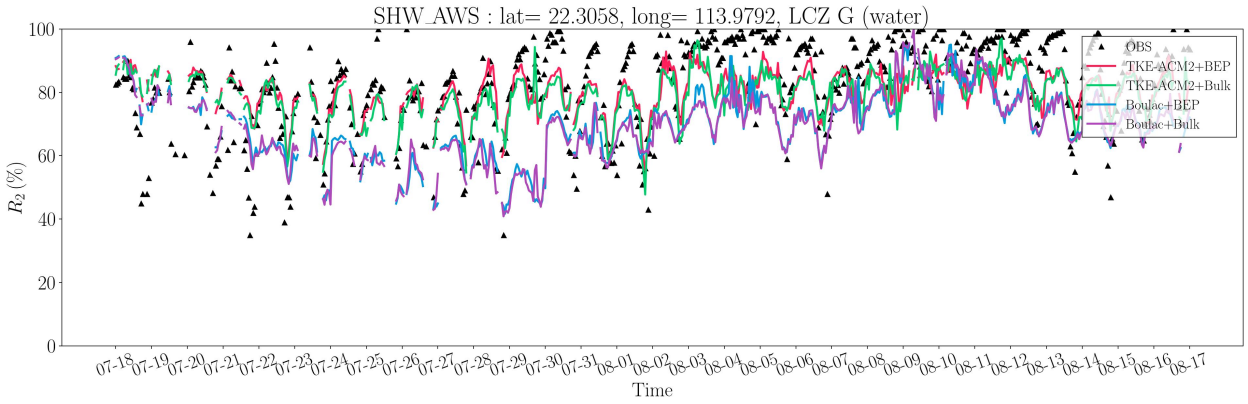

Figure S-91: RH_{2} at SHW_AWS station.

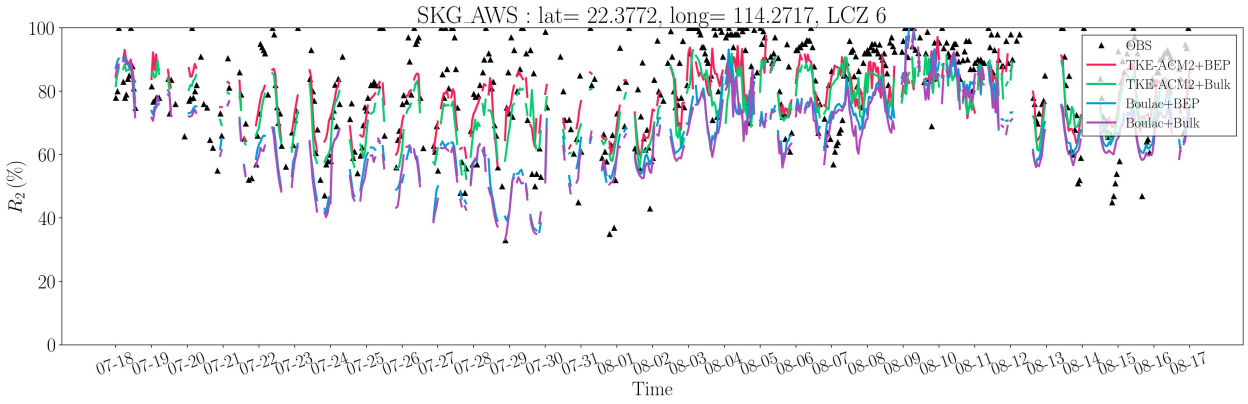

Figure S-92: RH_{2} at SKG_AWS station.

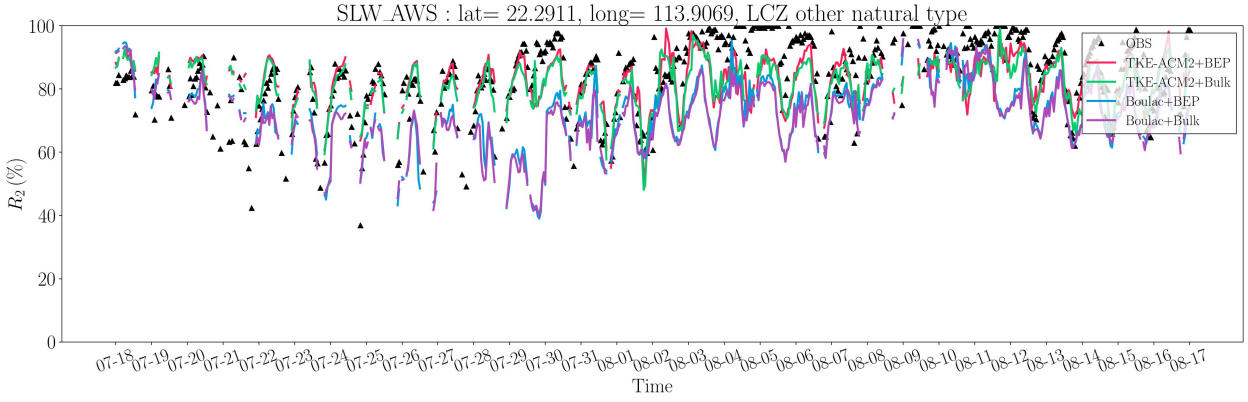

Figure S-93: RH_{2} at SLW_AWS station.

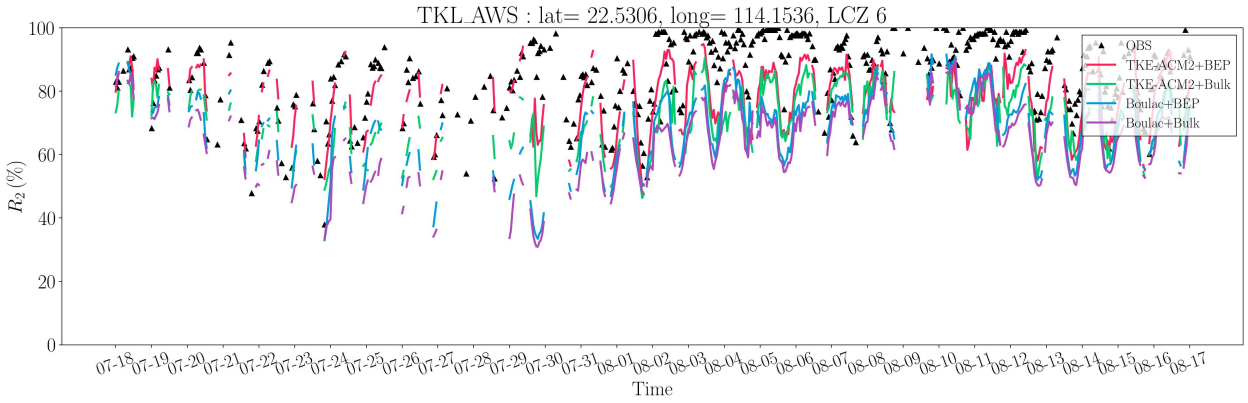

Figure S-94: RH_{2} at TKL_AWS station.

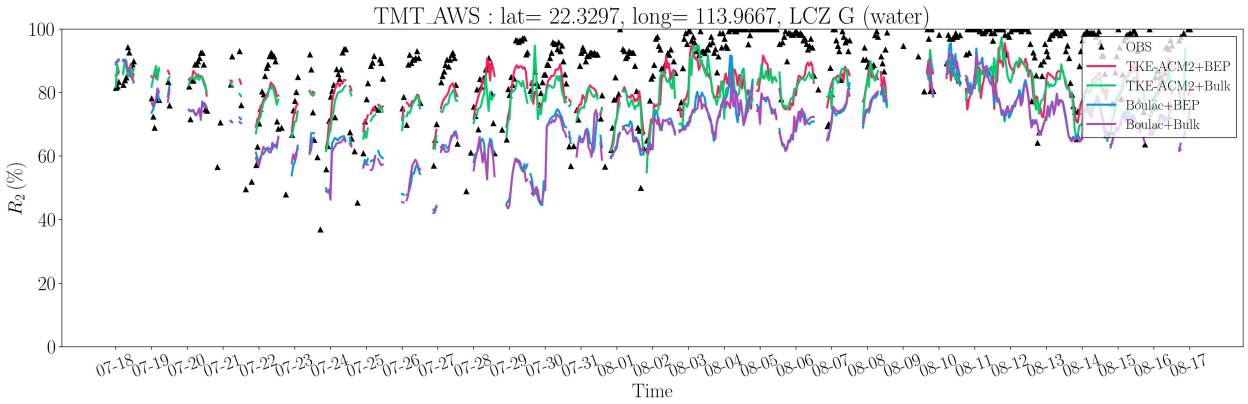

Figure S-95: RH_{2} at TMT_AWS station.

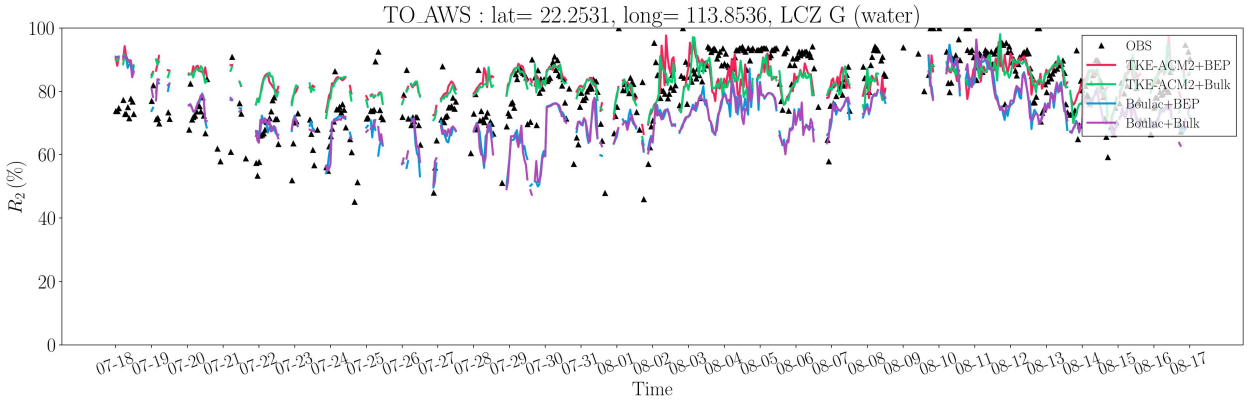

Figure S-96: RH_{2} at TO_AWS station.

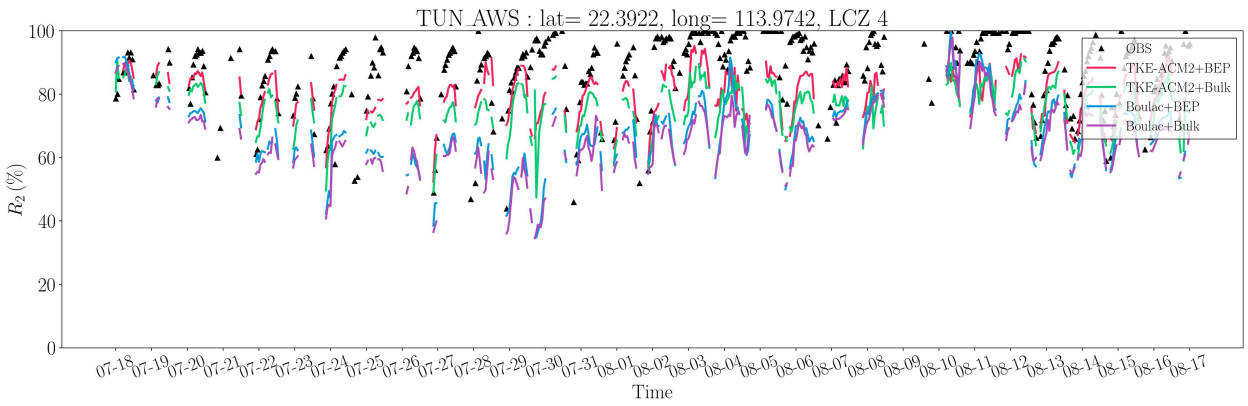

Figure S-97: RH_{2} at TUN_AWS station.

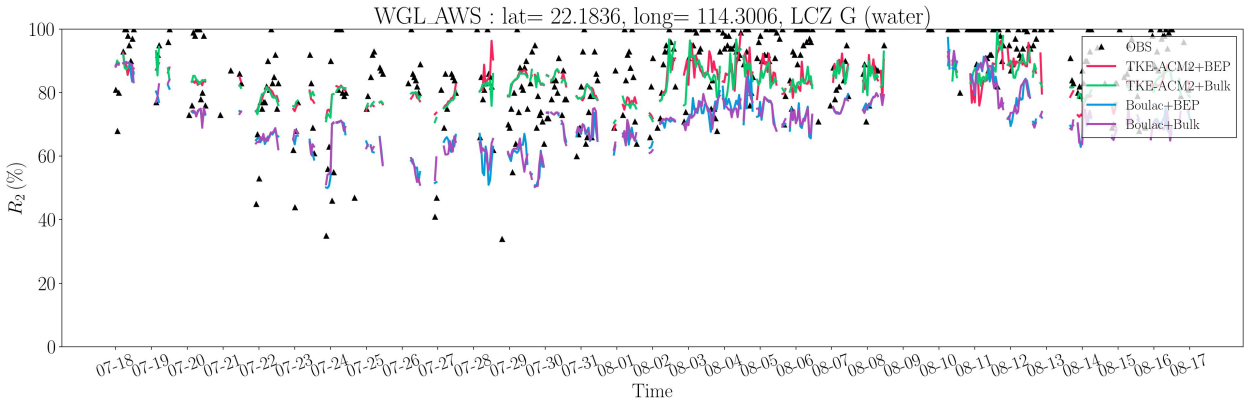

Figure S-98: RH_{2} at WGL_AWS station.