

Electronic Supplementary Material to: Recent Enhancement in Co-Variability of the Western North Pacific Summer Monsoon and the Equatorial Zonal Wind*

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Table S1. Information of the 20 CMIP6 models employed in this study.

Number	Model	Modeling centers	Horizontal resolution (Lat × Lon)
1	ACCESS_CM2	CSIRO-ARCCSS, Australia	144 × 192
2	BCC_CSM2_MR	Beijing Climate Center, China	160 × 320
3	CAMS_CSM1_0	Chinese Academy of Meteorological Sciences, China	160 × 320
4	CESM2	NCAR, USA	192 × 288
5	CESM2_WACCM	NCAR, USA	192 × 288
6	E3SM_1_0	Lawrence Livermore National Laboratory, USA	90 × 90
7	EC_Earth3	EC-Earth-Consortium, European Union	256 × 512
8	EC_Earth3_Veg	EC-Earth-Consortium, European Union	256 × 512
9	FGOALS_g3	IAP-CAS, China	180 × 288
10	GFDL_ESM4	NOAA-GFDL, USA	180 × 288
11	GISS_E2_1_G	Goddard Institute for Space Studies, USA	144 × 90
12	GISS_E2_1_H	Goddard Institute for Space Studies, USA	144 × 90
13	HadGEM3_GC31_MM	Met Office Hadley Centre, UK	144 × 192
14	INM_CM4_8	Institute for Numerical Mathematics, Russia	120 × 180
15	INM_CM5_0	Institute for Numerical Mathematics, Russia	120 × 180
16	MCM_UA_1_0	University of Arizona, USA	80 × 96
17	MIROC6	JAMSTEC, AORI, NIES, and R-CCS, Japan	128 × 256
18	MRI_ESM2_0	Meteorological Research Institute, Japan	160 × 320
19	NorESM2_LM	CICERO, NERSC, NILU, UiB, UiO, and UNI, Norway	96 × 144
20	NorESM2_MM	CICERO, NERSC, NILU, UiB, UiO, and UNI, Norway	192 × 288

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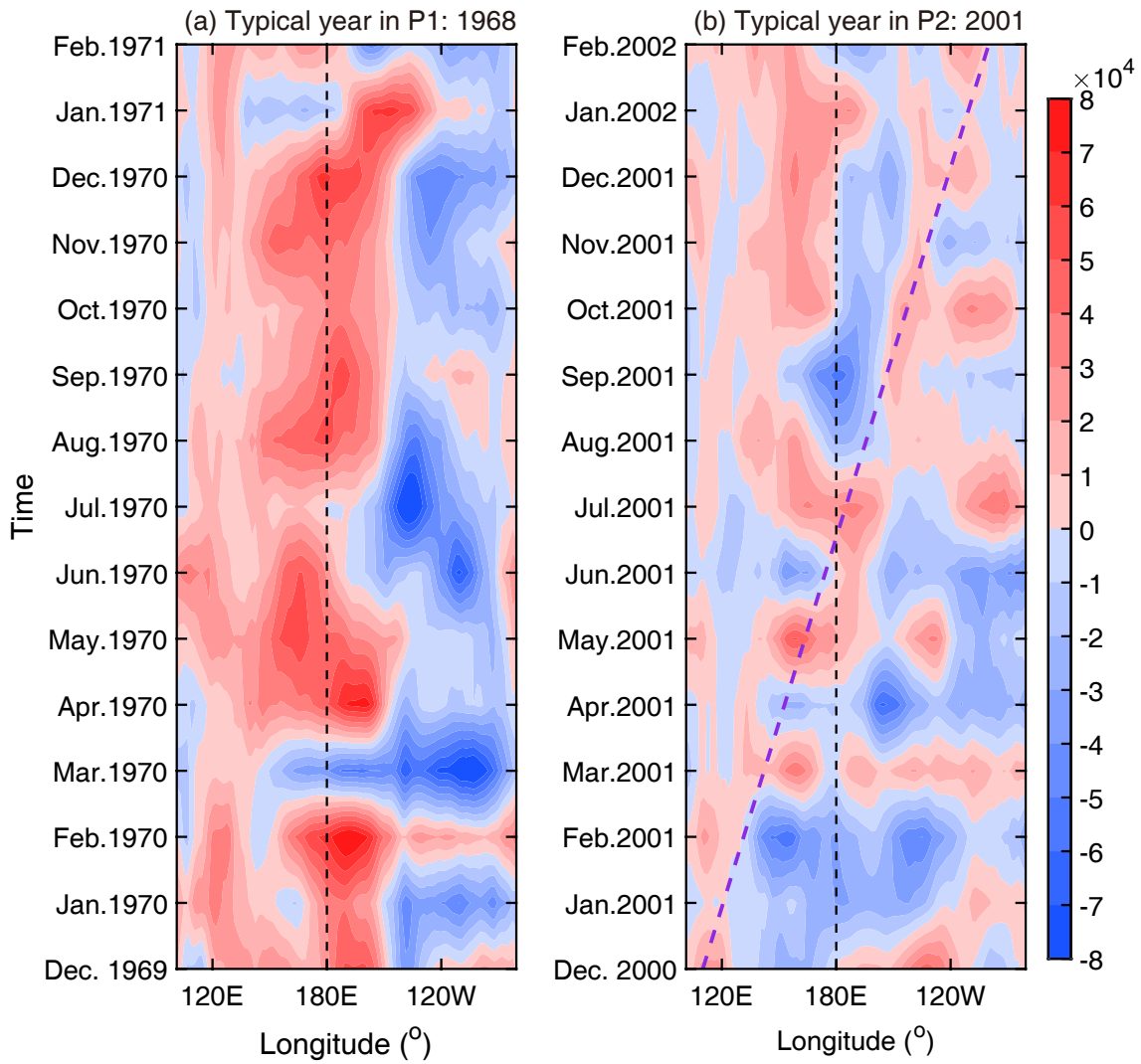


Fig. S1. Longitude–time diagram of the KWF (shading; N m^{-1}) in the typical year of (a) P1 and (b) P2. The purple dashed line in (b), tilting from bottom left to top right, indicates the eastward propagation of the signal.