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Accelerated estimation of sea-spray-mediated heat flux using Gaussian quadrature: case studies with a coupled CFSv2.0-WW3 system

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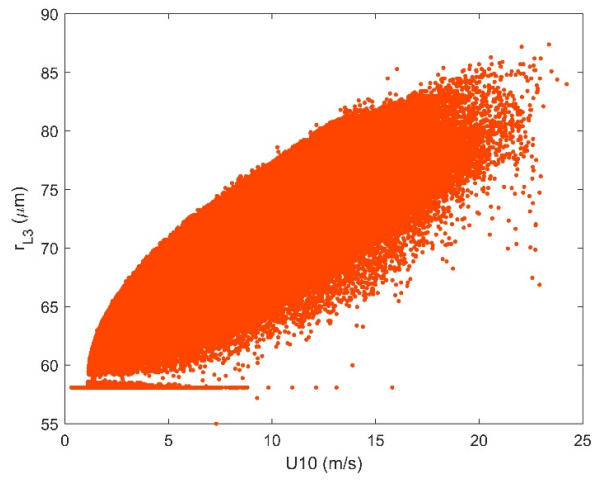
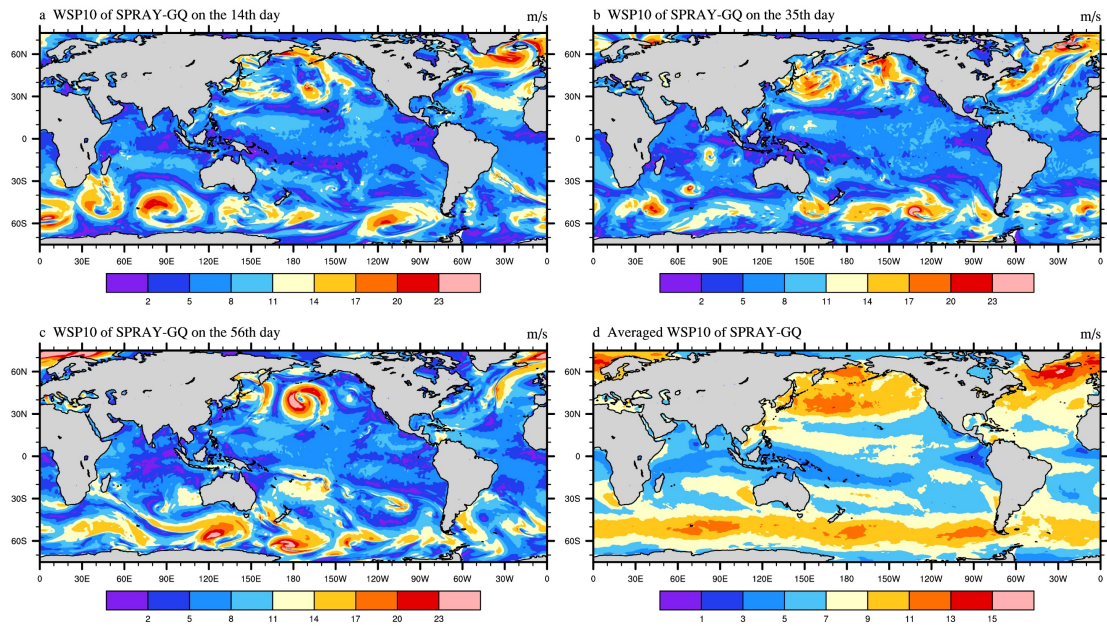**Figure S1.** The scatter plot of r_{L3} (y-axis) vs 10-m wind speed (x-axis)

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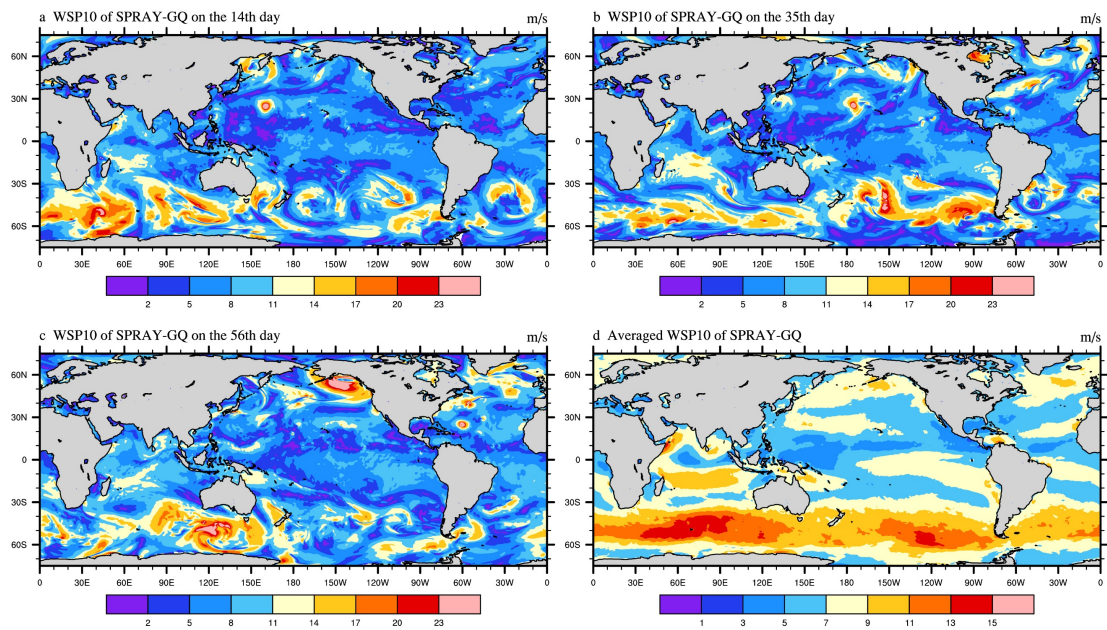

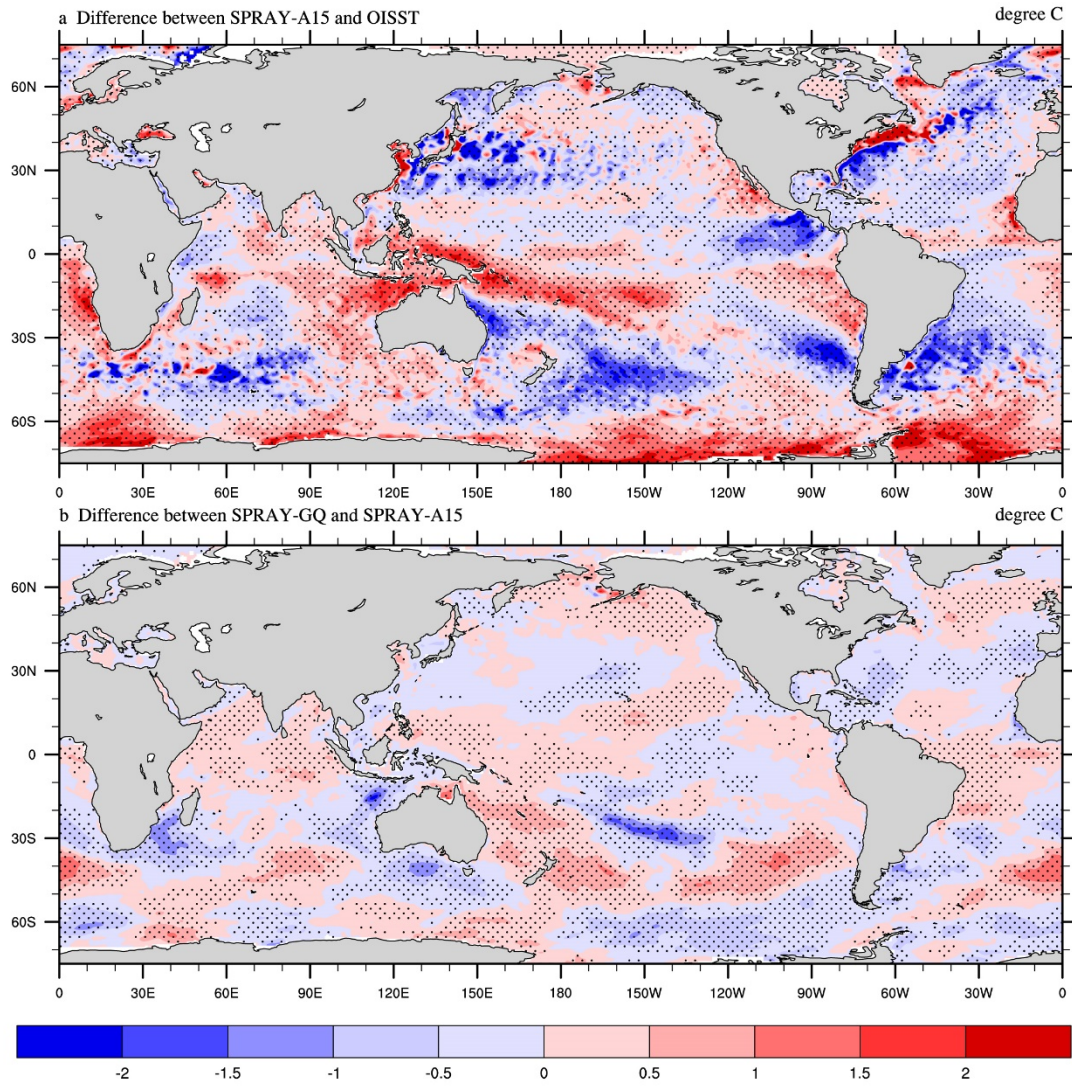**Figure S3**. The same as Figure S2, but for Aug-Sep, 2018.

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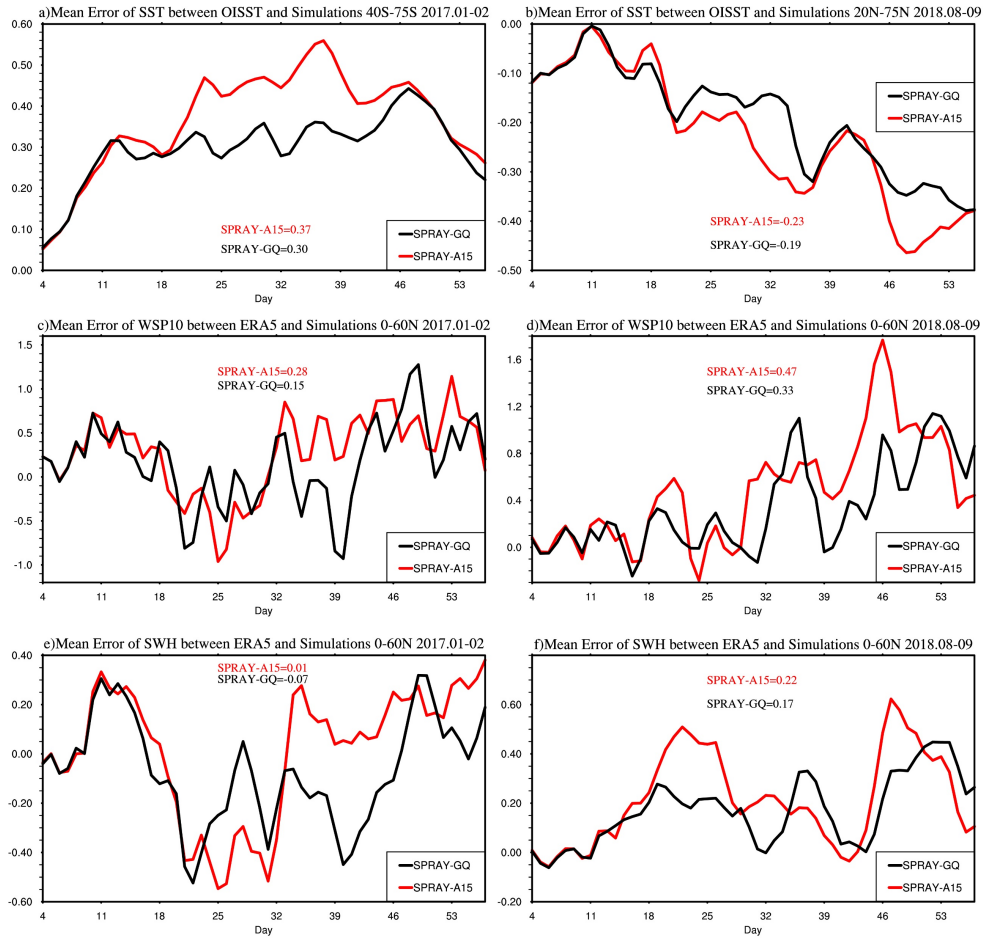
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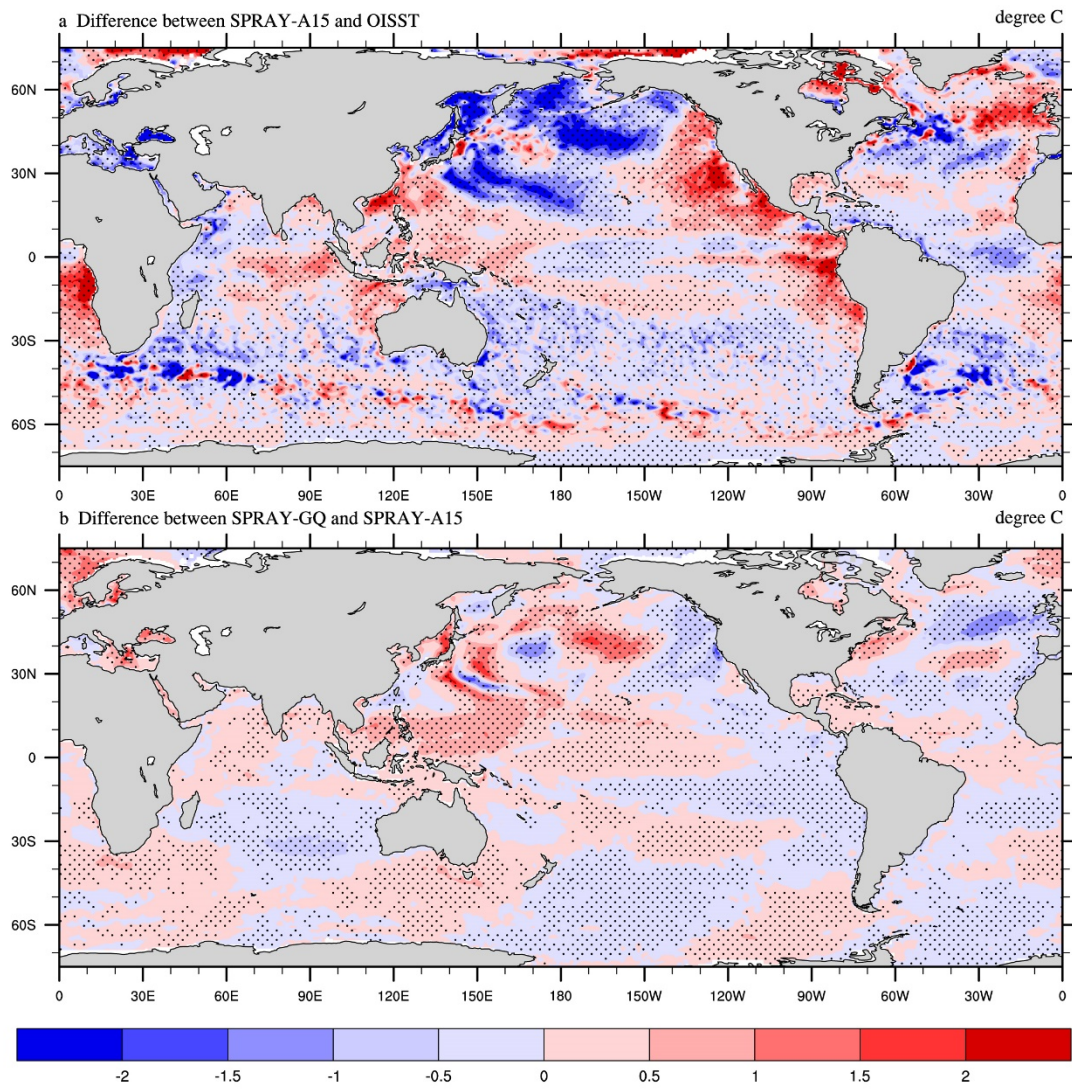
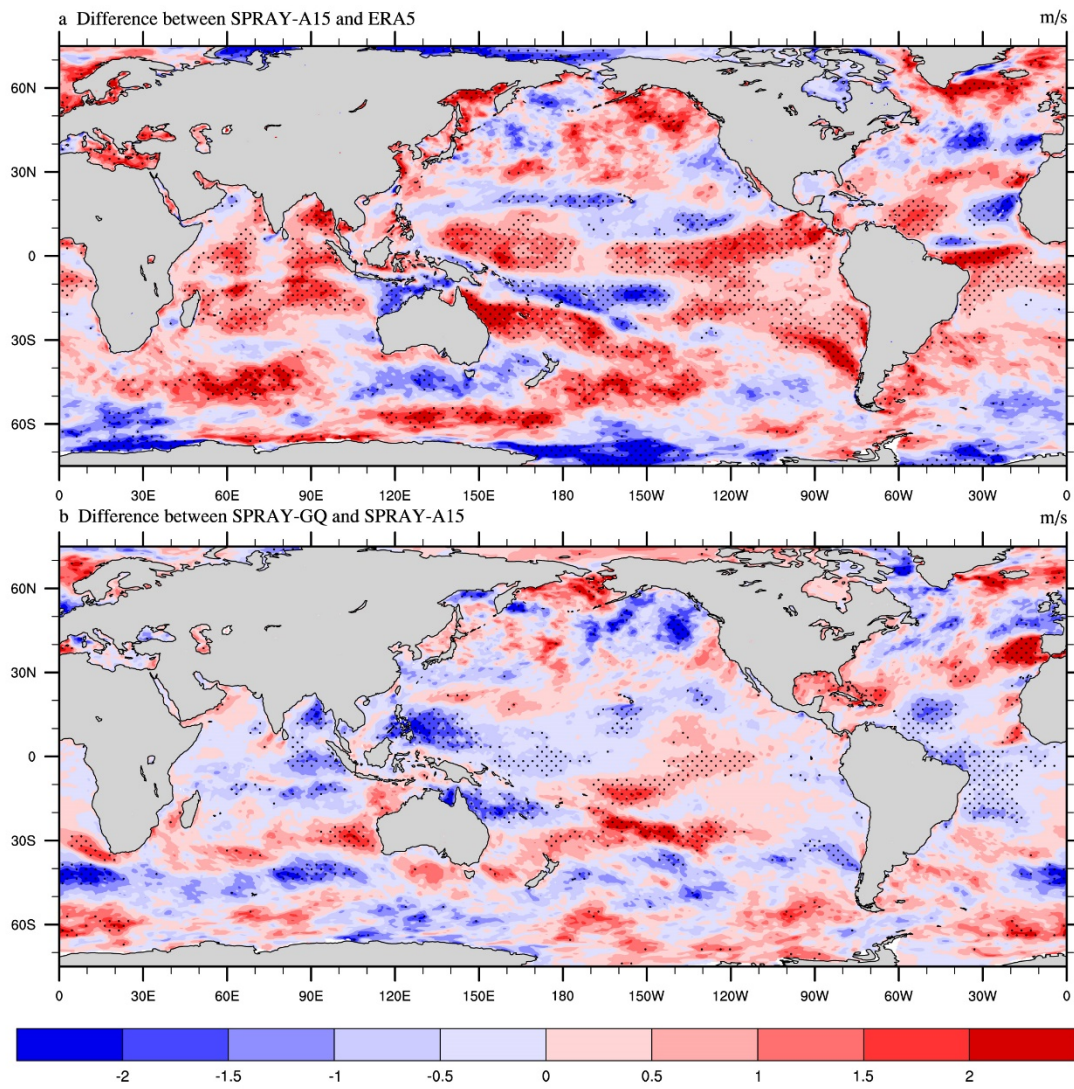**Figure S6**. The same as Figure S4, but for Aug-Sep, 2018.

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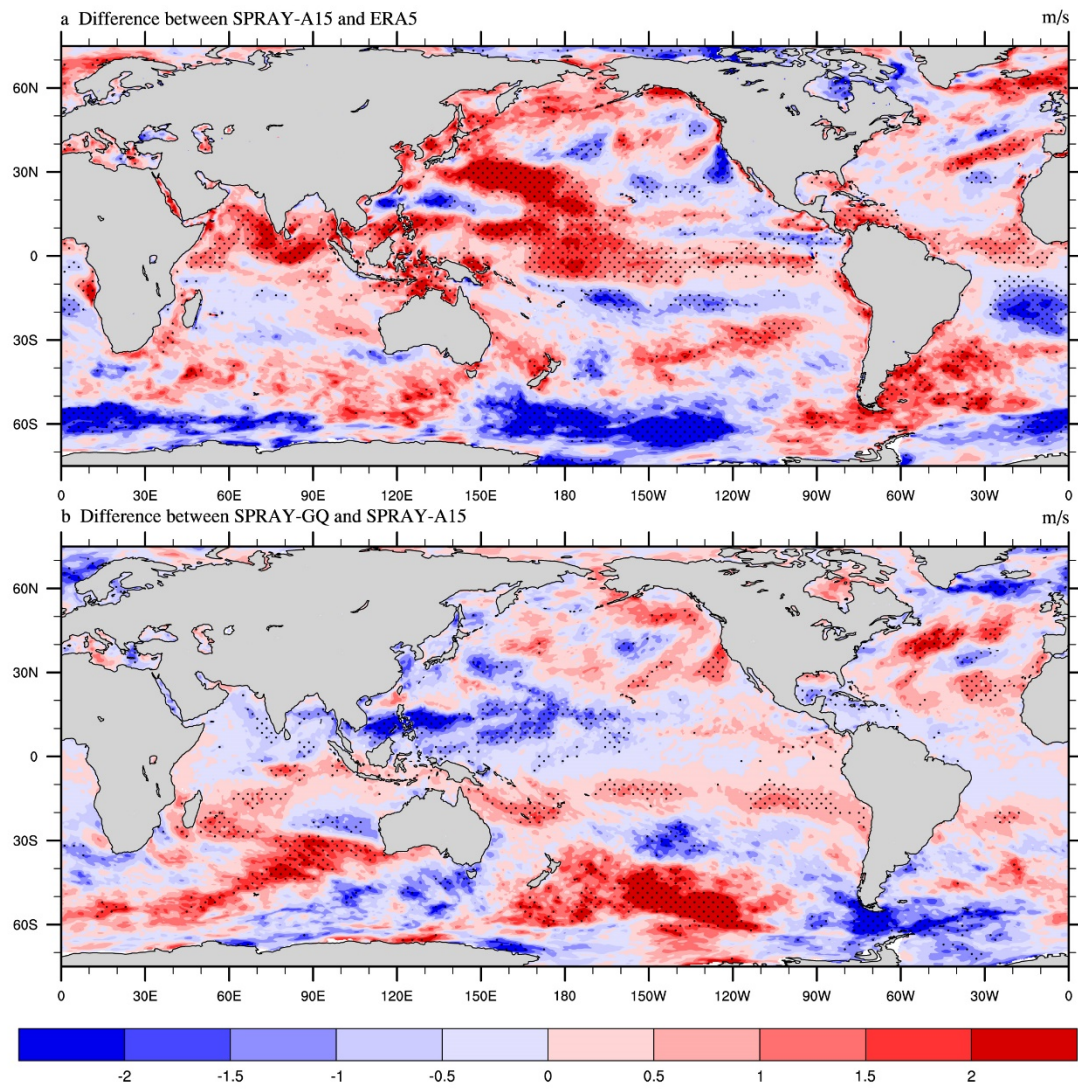
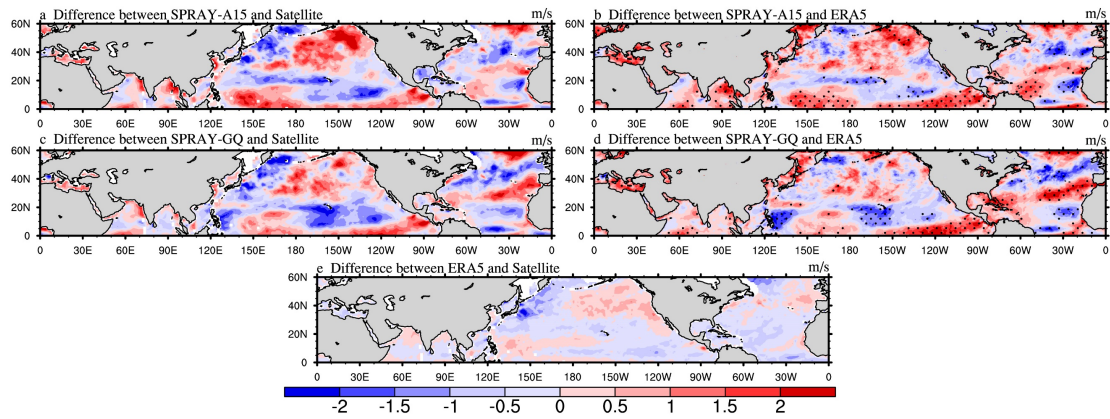**Figure S8**. The same as Figure S7, but for Aug-Sep, 2018.

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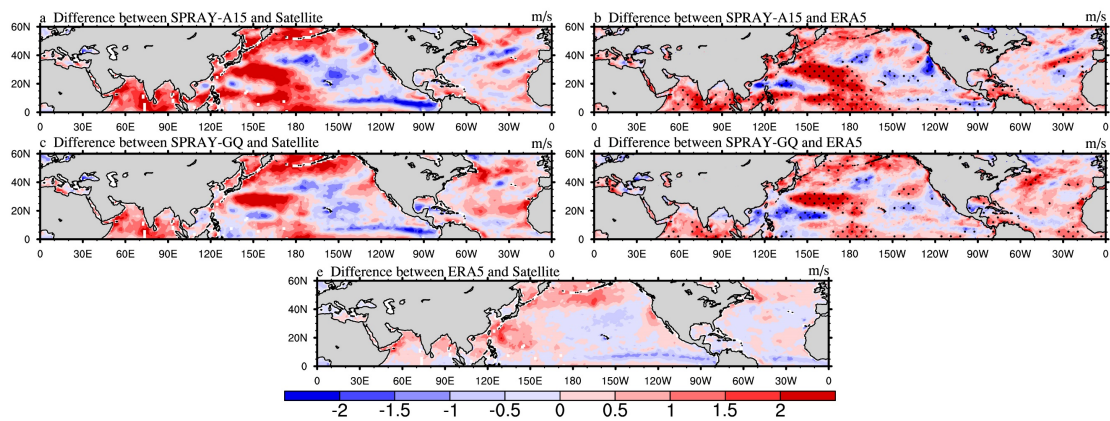

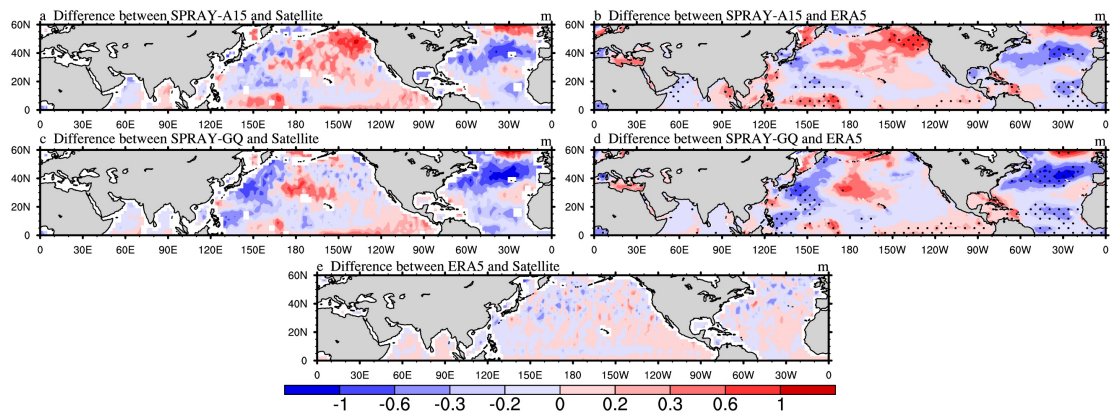**Figure S10**. The same as Figure S9, but for Aug-Sep, 2018.

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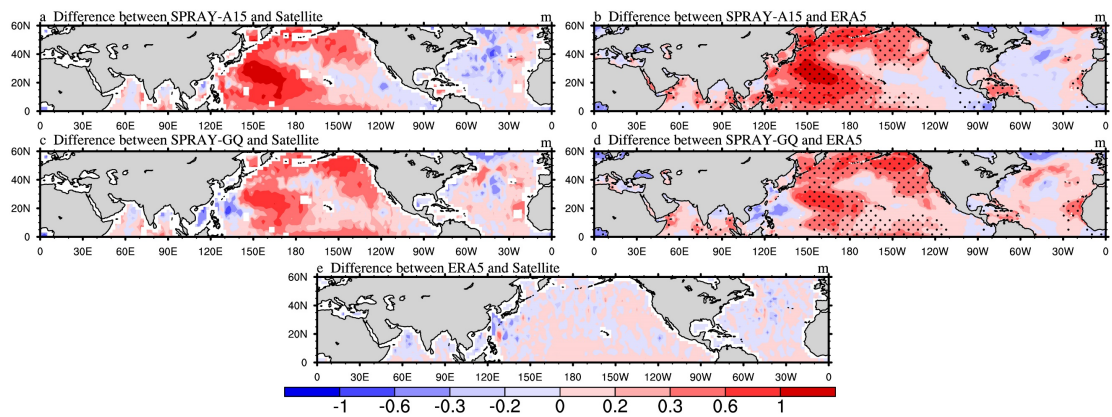

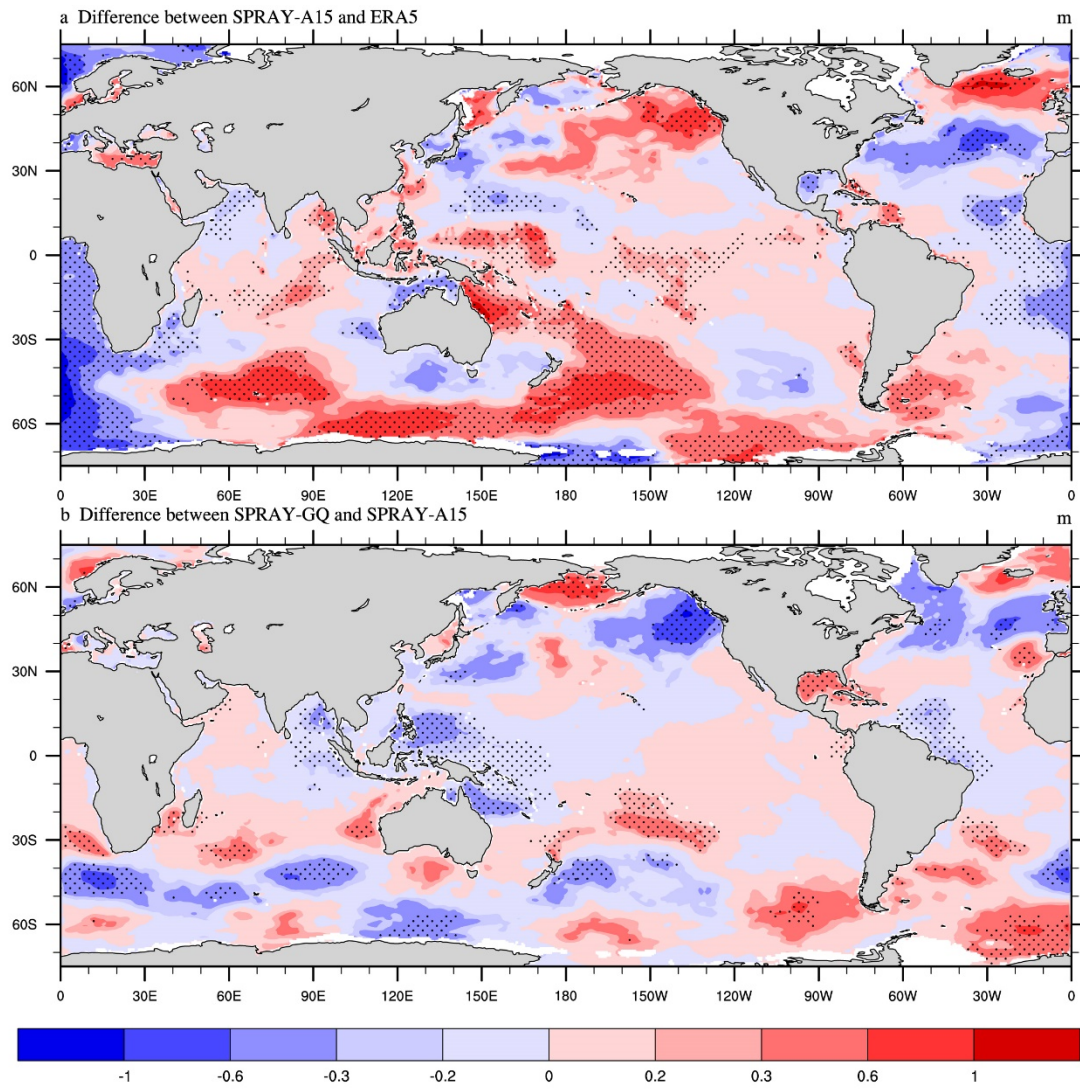**Figure S12**. The same as Figure S11, but for Aug-Sep, 2018.

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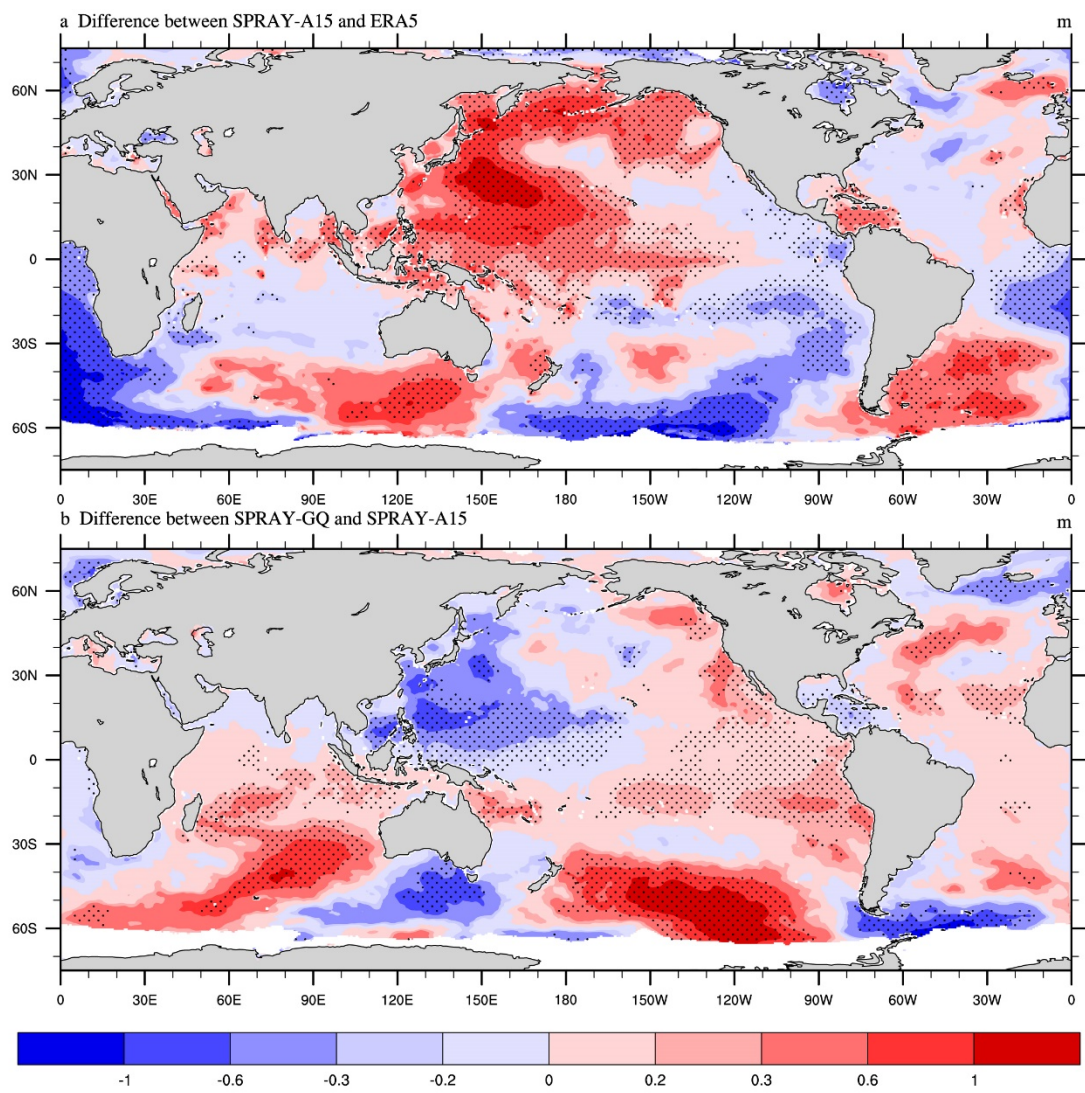
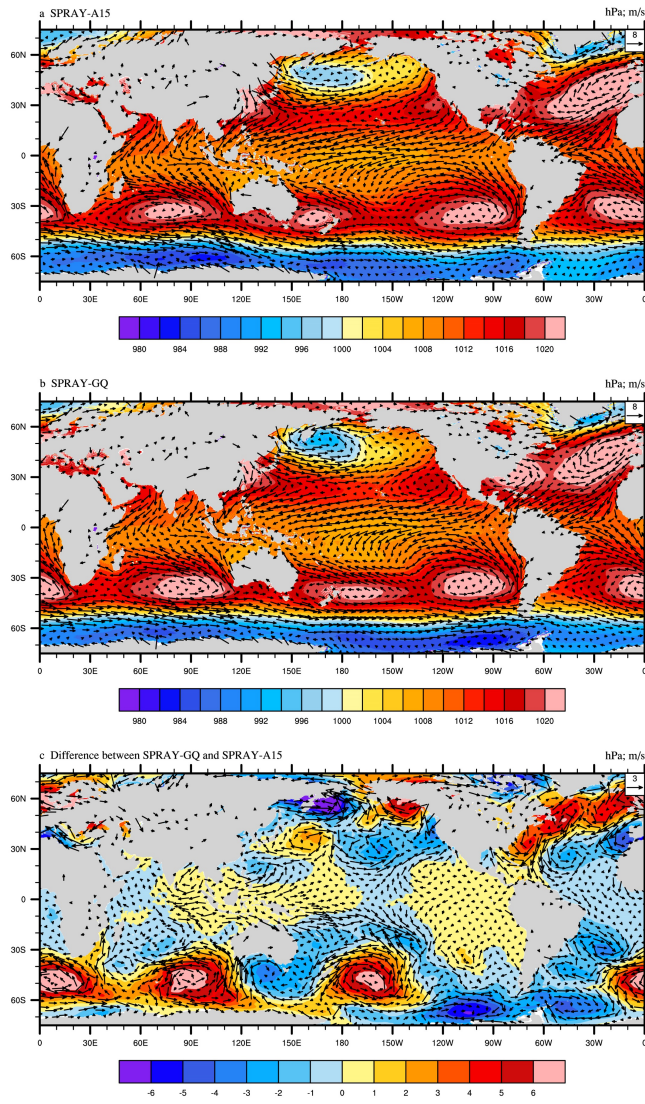**Figure S14**. The same as Figure S13, but for Aug-Sep, 2018.

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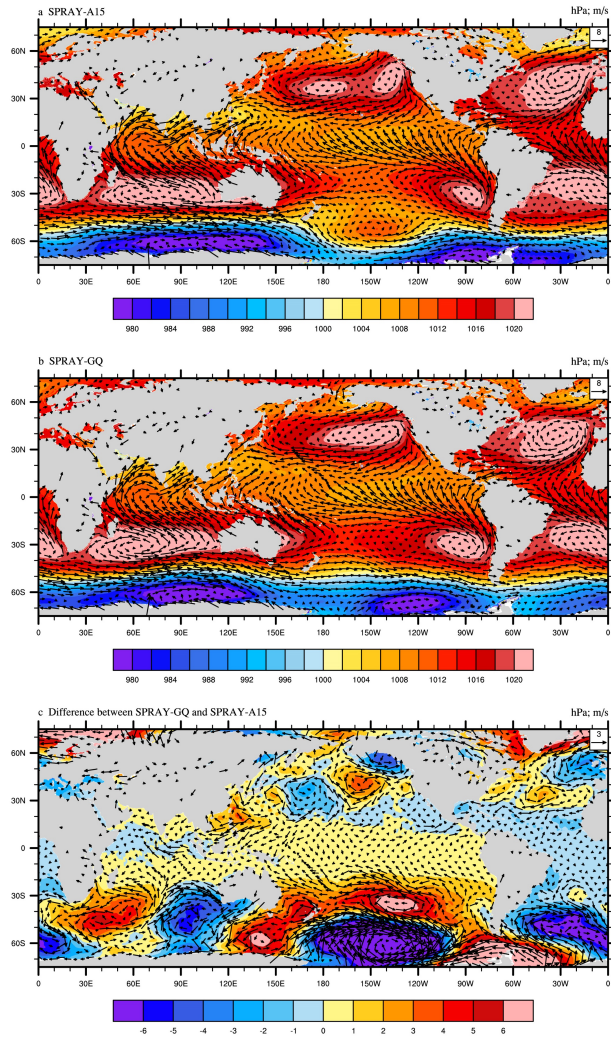
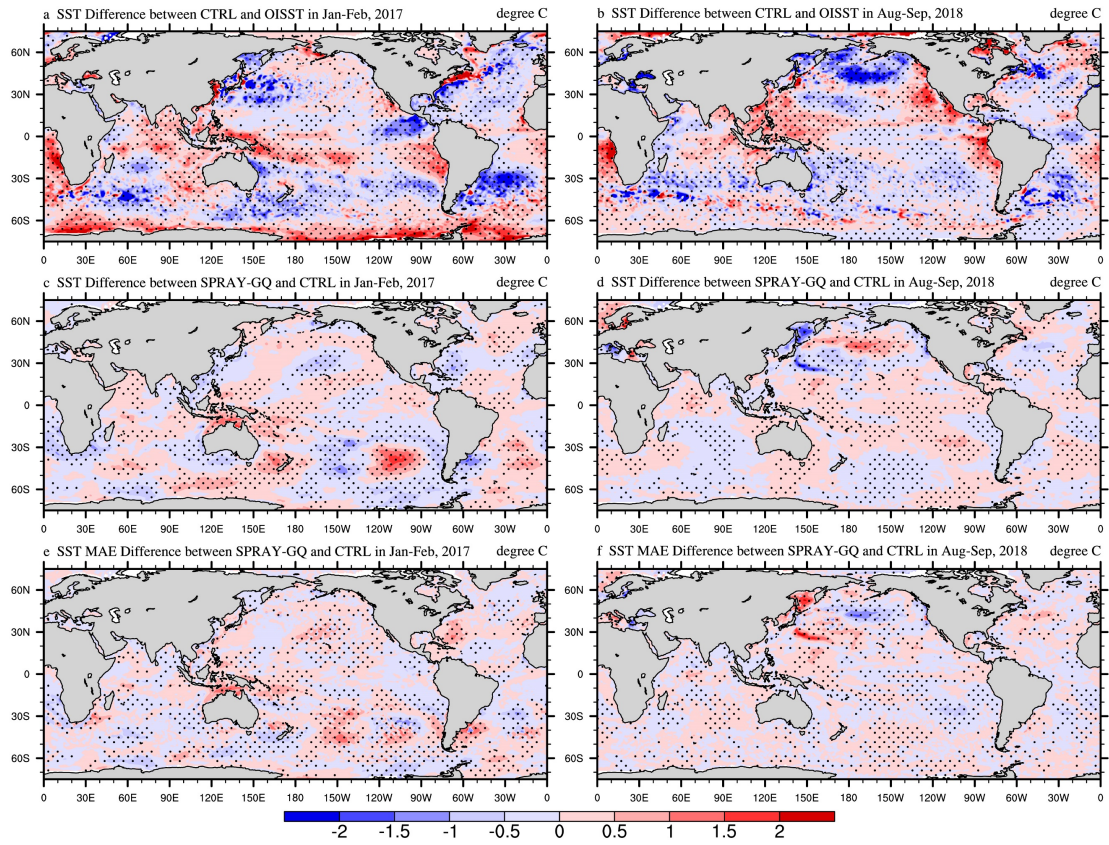**Figure S16**. The same as Figure S15, but for Aug-Sep, 2018.

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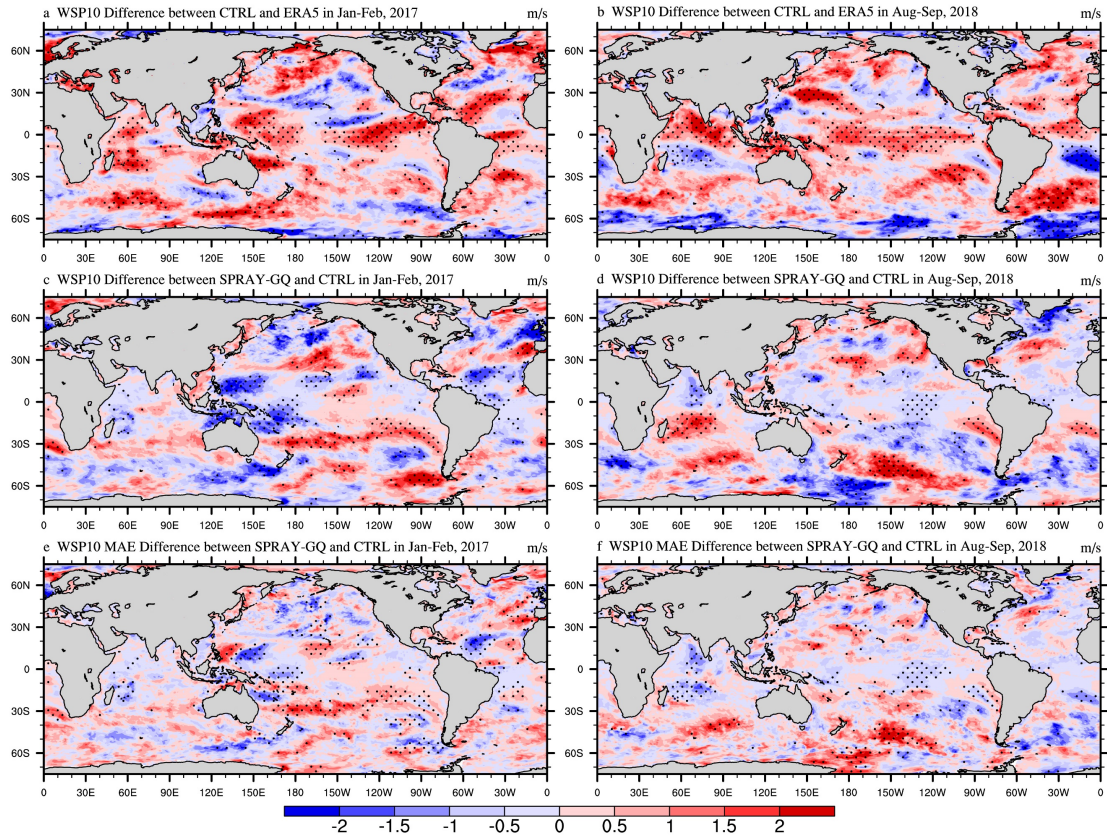
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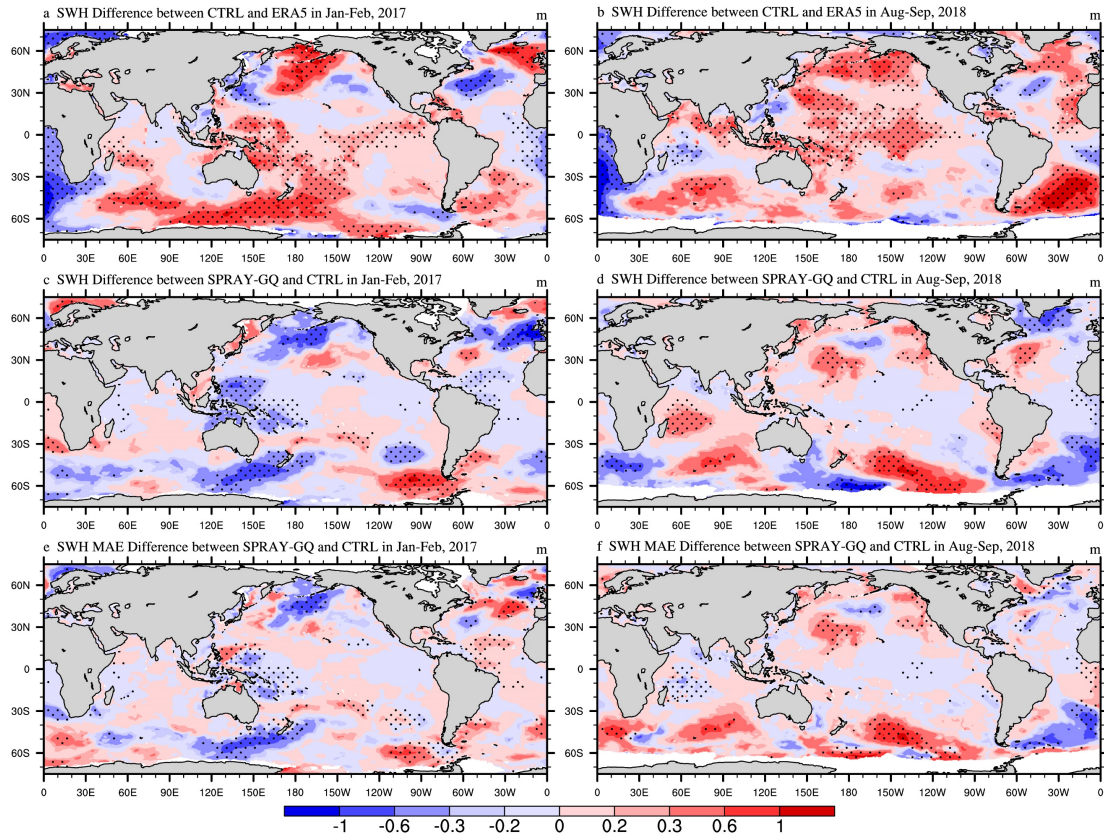
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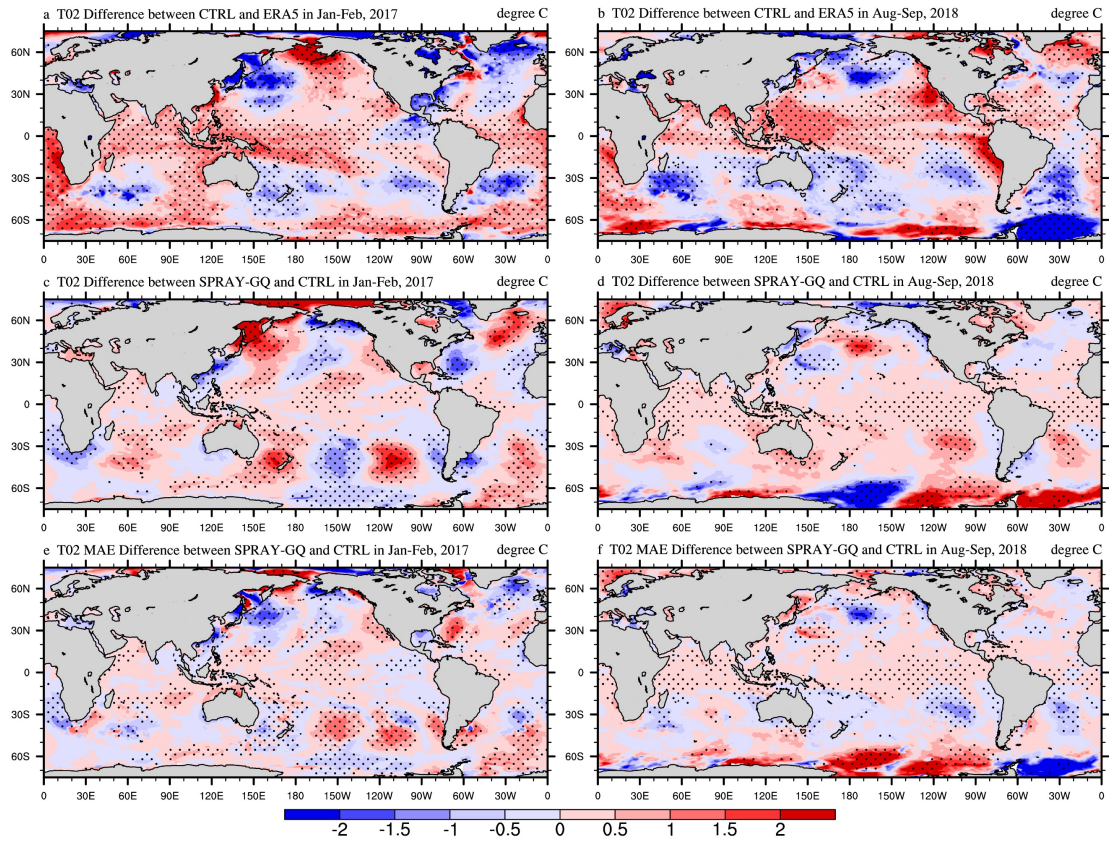
Figure S21. The 53-day average SPH differences between CTRL and ERA5 (a&b; CTRL minus ERA5), differences between SPRAY-GQ and CTRL (c&d; SPRAY-GQ minus CTRL), and MAE differences between SPRAY-GQ and CTRL (e&f) in Jan-Feb, 2017 (a, c, e) and in Aug-Sep, 2018 (b, d, f). The first 3-day simulation is discarded. The dotted areas are statistically 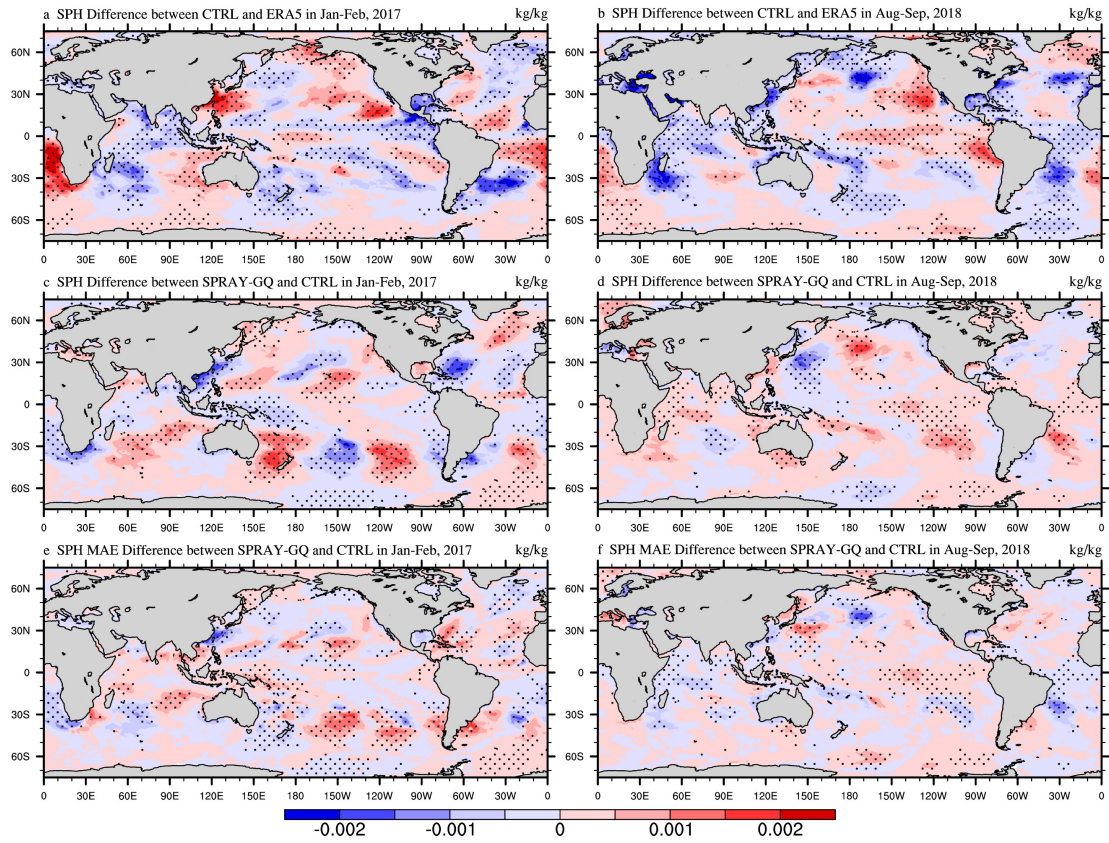significant at 95% confidence level.