Major comment 1:

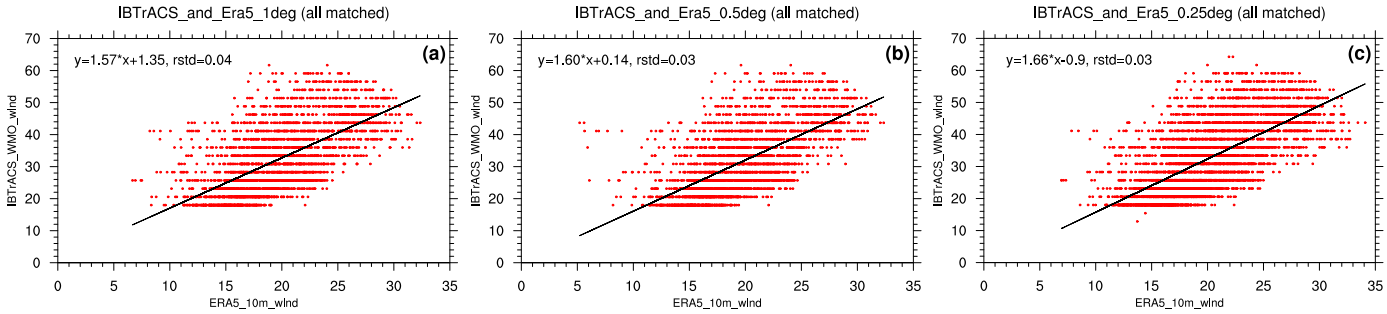

Figure 1-1. Linear regression between IBTrACS and ERA5 regridded to (a) 1.0°, (b) 0.5° (c) 0.25°.

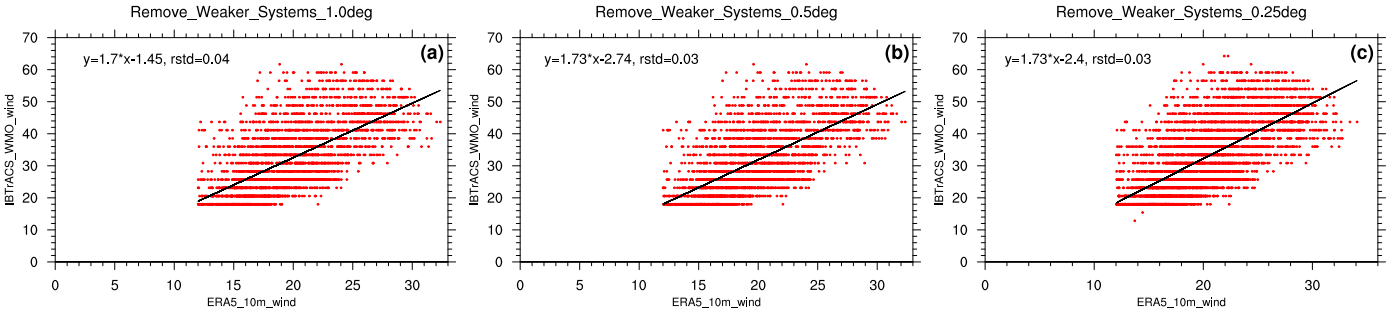

Figure 1-2. Like Figure 1-1, but only using data pairs (timesteps for each TC) where ERA5 wind speed ⩾ 12 m/s.

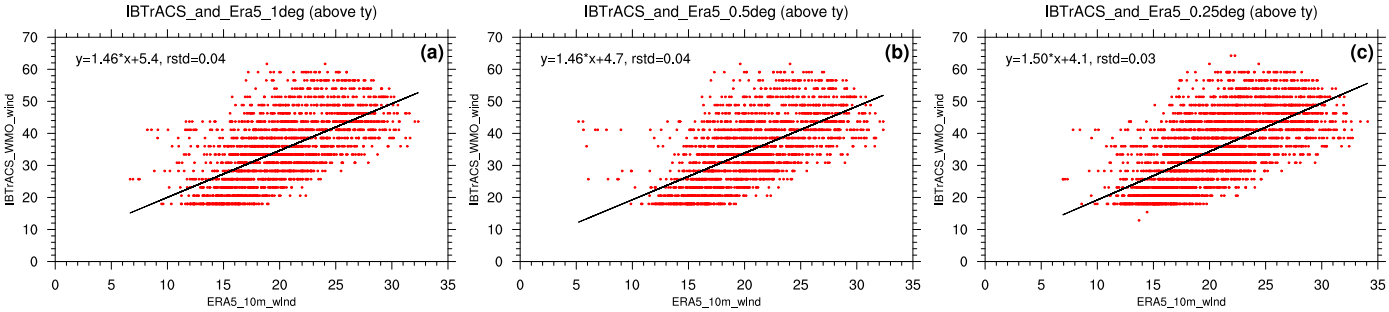

Figure 1-3. Like Figure 1-1, but only using TCs which have at any time reached “typhoon” strength (IBTrACS MSW⩾32.7 m/s).

Major comment 2:

Table 2-1. TCs (number/year) using different data sources, with the range calculated from using a scaling correction factor of 1.7 and 1.9, and the standard deviations in parentheses.

row	Grid	Scale factor	TCs by category (/year)				Total TCs (/year)
			<TY	TY	STY	SPTY	
1	IBTrACS (2001–2020)	N/A	12 (3)	5 (2)	4 (2)	4 (3)	25 (4) + 5
2	0.25°ERA5 (2011–2020)	1.7	8 (3)	9 (2)	6 (3)	2 (1)	25 (6)
3		1.9	6 (3)	7 (3)	7 (3)	5 (3)	25 (5)
4	ne30	1.7	4 (2)	1 (1)	0.4 (0.6)	0	6 (2)
5		1.9	3 (1)	2 (2)	0.5 (0.6)	0.2 (0.5)	6 (2)
6	ne30×2	1.7	9 (3)	6 (2)	3 (2)	1 (1)	19 (4)
7		1.9	8 (3)	7 (3)	3 (1)	3 (2)	21 (5)
8	ne30×4	1.7	13 (4)	6 (3)	4 (2)	4 (2)	27 (6)
9		1.9	12 (5)	7 (3)	5 (3)	6 (3)	30 (7)

Major comment 3:

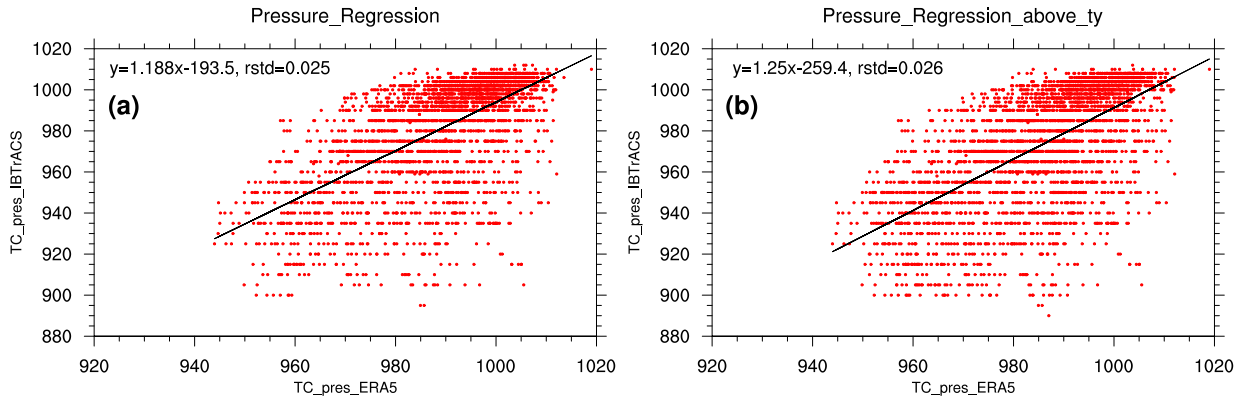

Figure 3-1. Linear regression of minimum MSLP between IBTrACS and 0.25° ERA5, using (a) all data, (b) but only using TCs which have at any time reached "typhoon" strength (IBTrACS MSW⩾32.7 m/s)