Supplementary Information for

Uncertainties in tropical cyclone landfall decay

Kelvin T. F. CHAN[1,2,3]*, Johnny C. L. CHAN[4,5,6], Kailin ZHANG[1], and Yue WU[1]

[1]School of Atmospheric Sciences, Sun Yat-sen University, and Southern Marine Science and Engineering Guangdong Laboratory (Zhuhai), Zhuhai, China

[2]Guangdong Province Key Laboratory for Climate Change and Natural Disaster Studies, Sun Yat-sen University, Zhuhai, China

[3]Key Laboratory of Tropical Atmosphere-Ocean System (Sun Yat-sen University), Ministry of Education, Zhuhai, China

[4]School of Energy and Environment, City University of Hong Kong, Hong Kong, China

[5]Shanghai Typhoon Institute, China Meteorological Administration, Shanghai, China

[6]Asia-Pacific Typhoon Collaborative Research Center, Shanghai, China

*Corresponding Author: Kelvin T. F. CHAN (chenth25@mail.sysu.edu.cn)

Including:

Supplementary Table 1

Supplementary Figure 1

Supplementary Table 1 | Best-track data and corresponding availability in individual basins.

Basin	Best-track data	Data availability
North Atlantic	HURDAT2	1851–2020
Eastern North Pacific	HURDAT2	1876–2020
Western North Pacific	CMA, JTWC	1950–2019, 1945–2019
North Indian Ocean	JTWC	1945–2019
South Pacific	JTWC	1945–2018
South Indian Ocean	JTWC	1945–2018
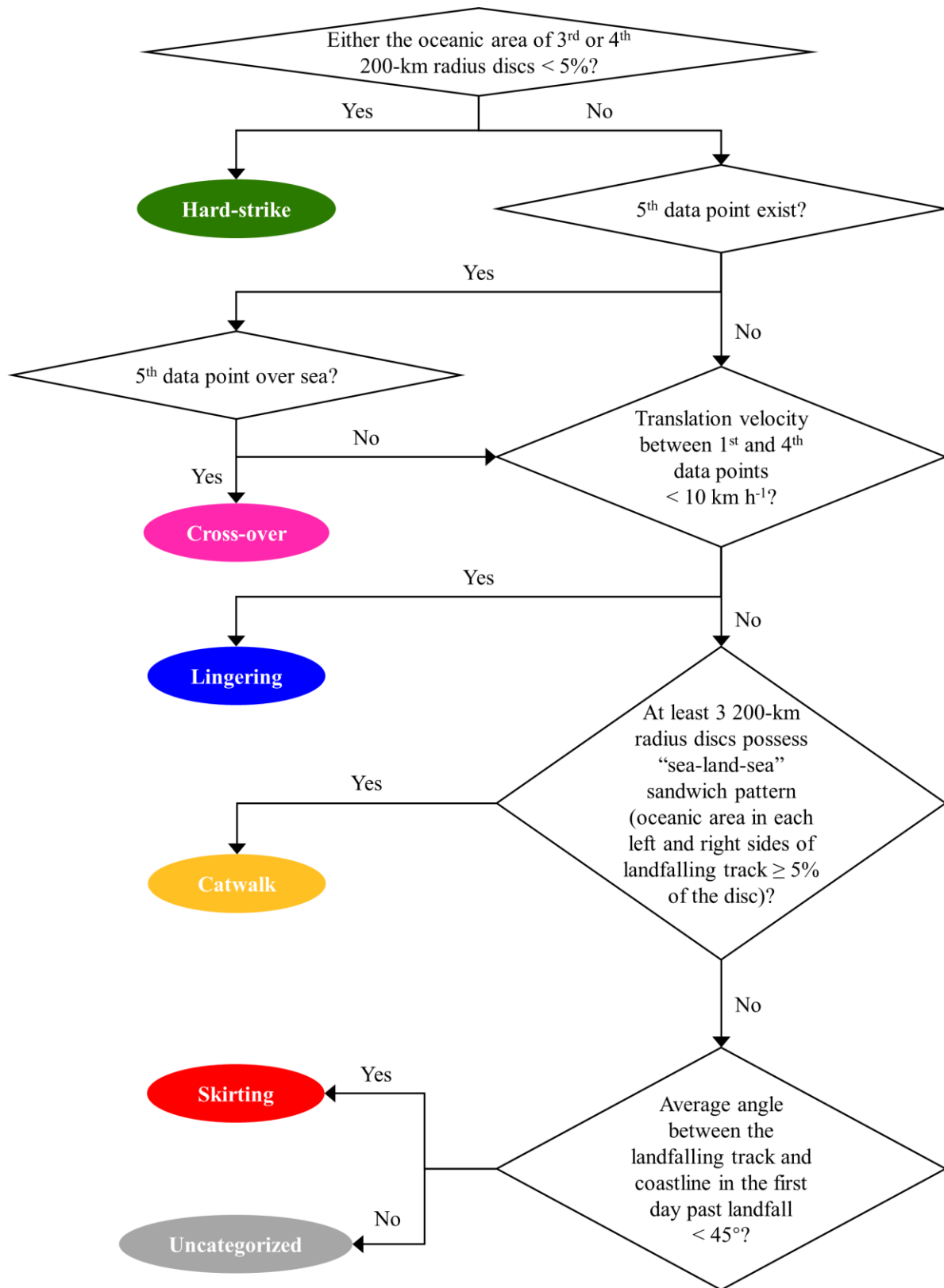
Supplementary Figure 1 | Categorization of landfalling track modes. An updated decision tree of that in CZ[12] (with slight modification on the Catwalk mode).