

Supporting Information for “SCALE ANALYSIS OF INFRARED WATER VAPOR  
BRIGHTNESS TEMPERATURES FOR TROPICAL CYCLONE ALL-SKY RADIANCE  
ASSIMILATION”

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1. Figure S1

**Introduction** This supporting information contains an additional figure that supplements the discussion in the text.

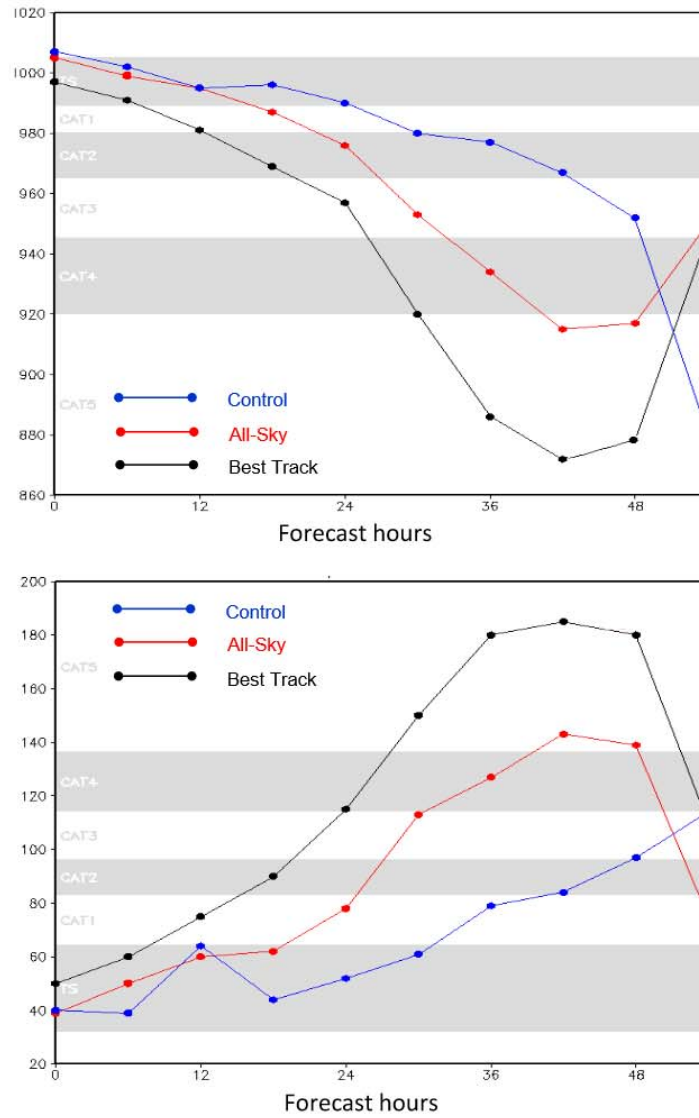


Figure S1. COAMPS-TC forecasts of TC center minimum sea level pressure (a, hPa) and maximum surface wind speed (b, ms<sup>-1</sup>) starting at 1800 UTC 21 October 2015 for Hurricane Patricia. The Control and All-Sky are without and with all-sky T<sub>b</sub> assimilation, respectively. The improvement in TC intensity forecast by high-resolution T<sub>b</sub> assimilation into the TC inner core is substantial. But there is still a large room for further improvement.