1 PHS model

Below I am comparing the results obtained with the PHS and the SMA tables. Please note that we are using both models outside their limits.

1.1 Core temperature - PHS model - Sport category 3

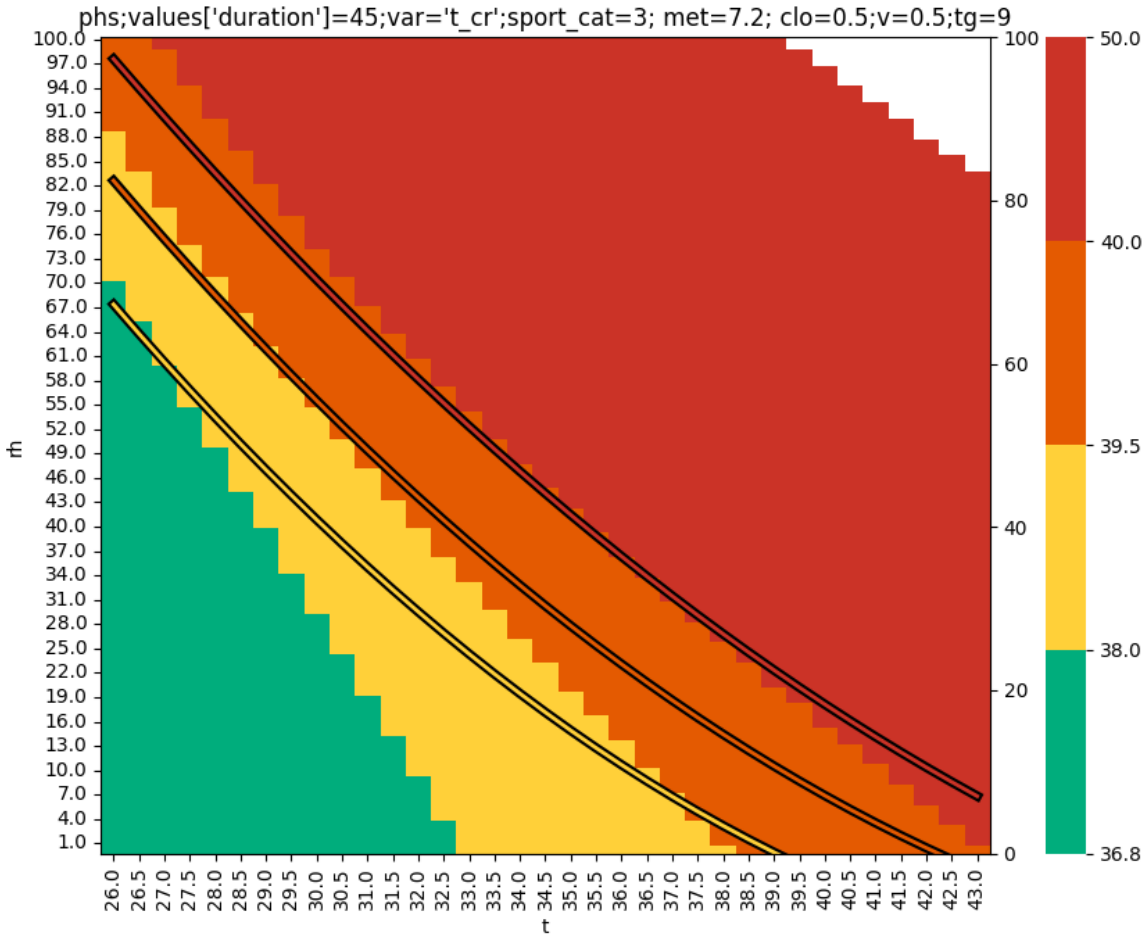
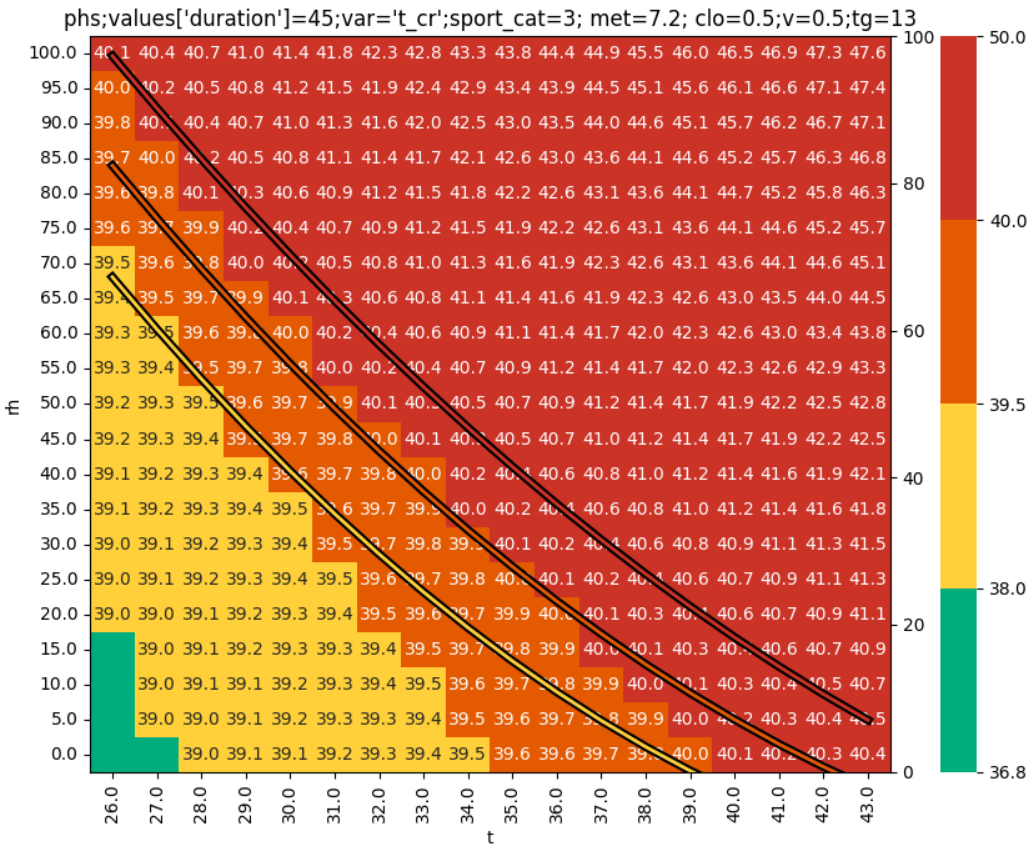
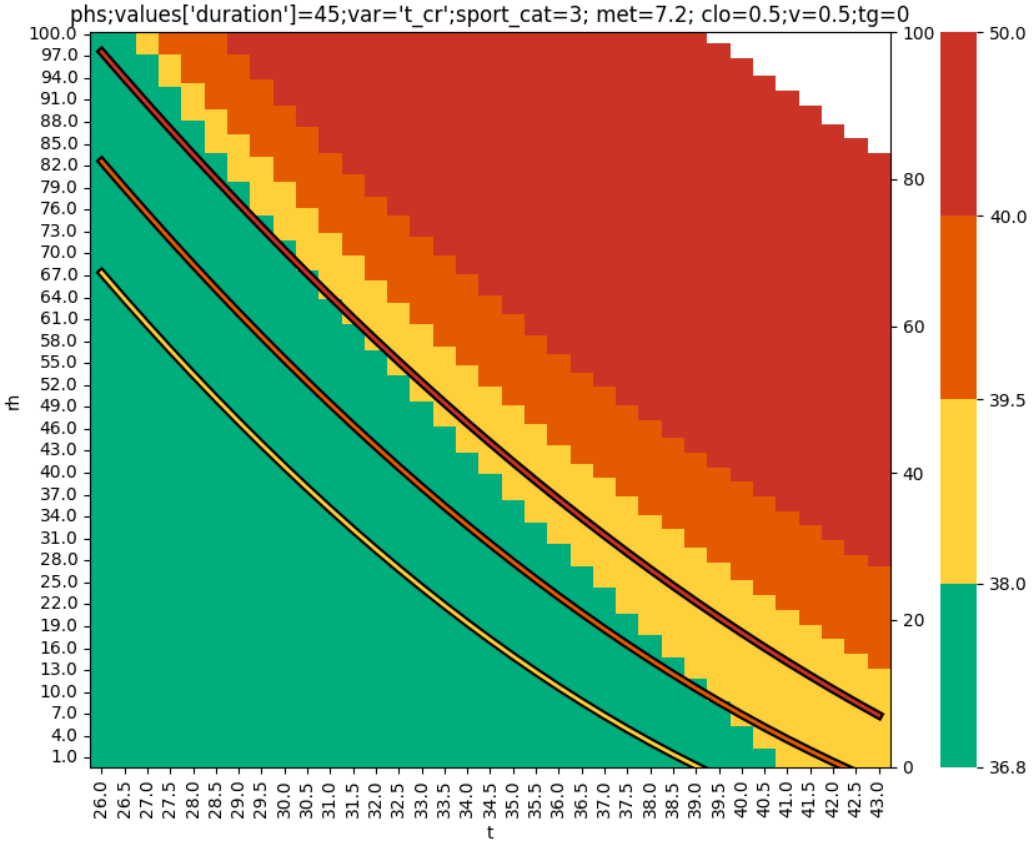


Figure 1: Sport category 3

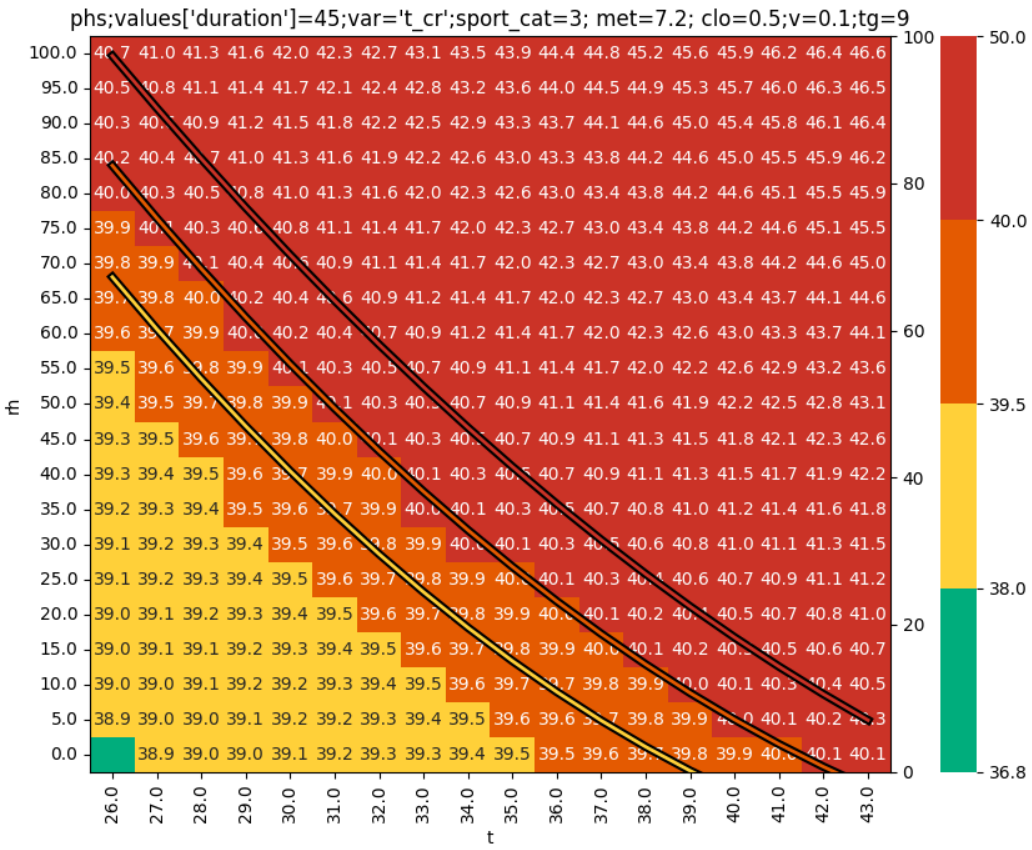


(a)

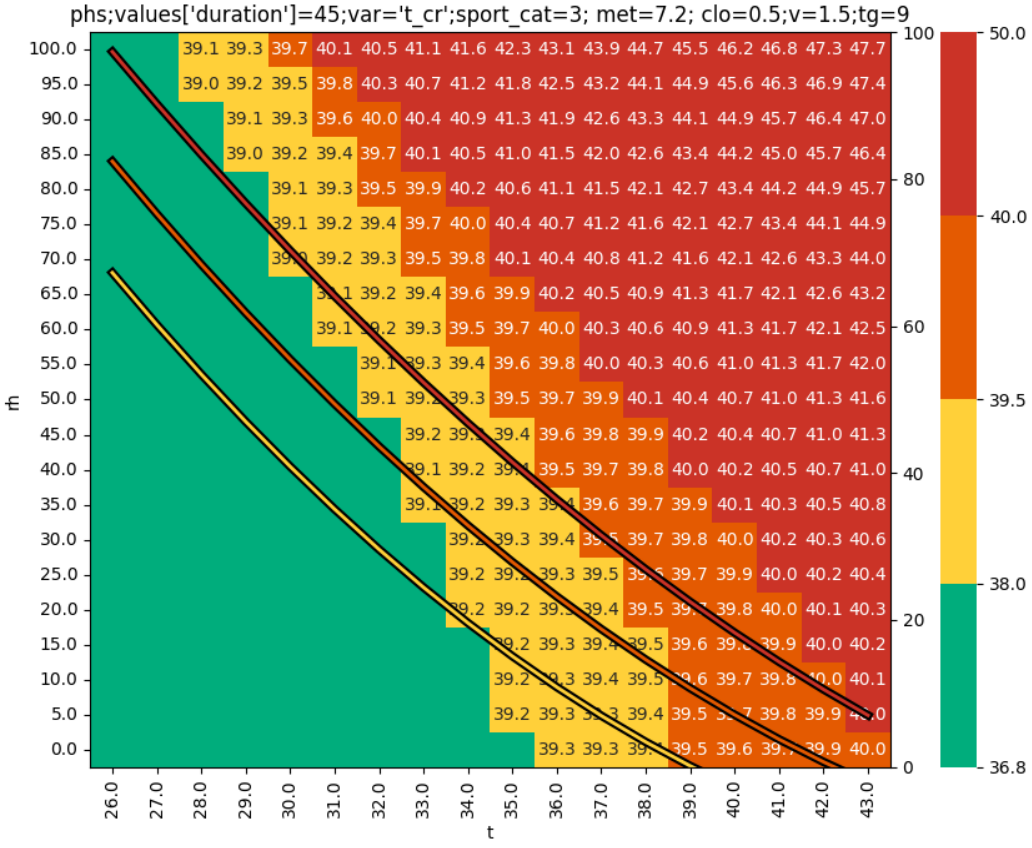


2

(b) no solar radiation and wind 1m/s



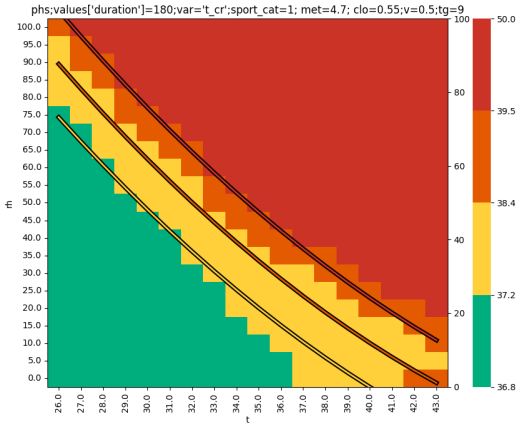
(a)



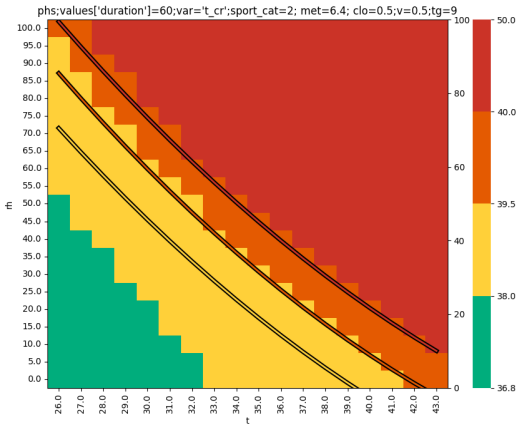
(b) no solar radiation and wind 1m/s

2 Core temperature - Side by side comparison different sport categories

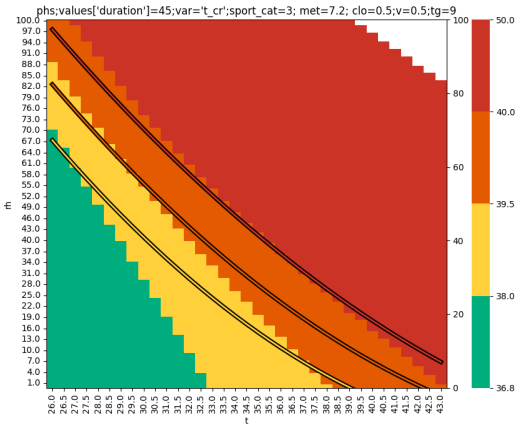
(a) phs Sport category 1



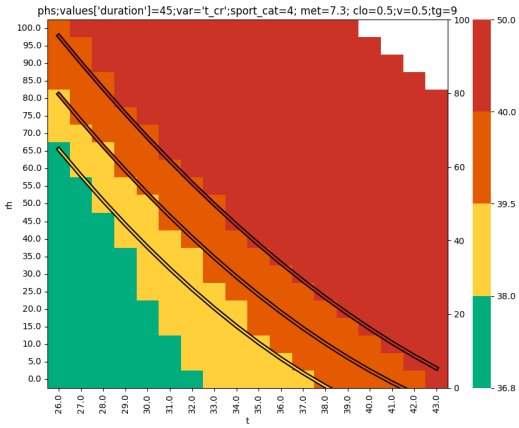
(b) phs Sport category 2



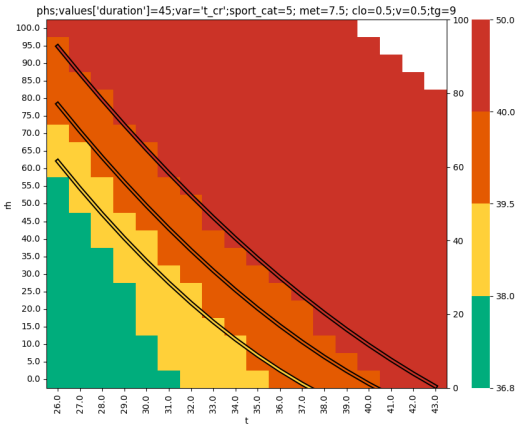
(c) phs Sport category 3



(d) phs Sport category 4



(e) phs Sport category 5



2.1 Analysis climate data

Below the preliminary results for Sydney. The third figure depicts an issue with the model since it is assumed tha the heat stress risk is always moderate even at very low ambient temperatures. This is something to be aware of and it could be an issue. It is not a problem if we decide to limit the final plot to 26 degrees how it was previously done in the SMA policy.

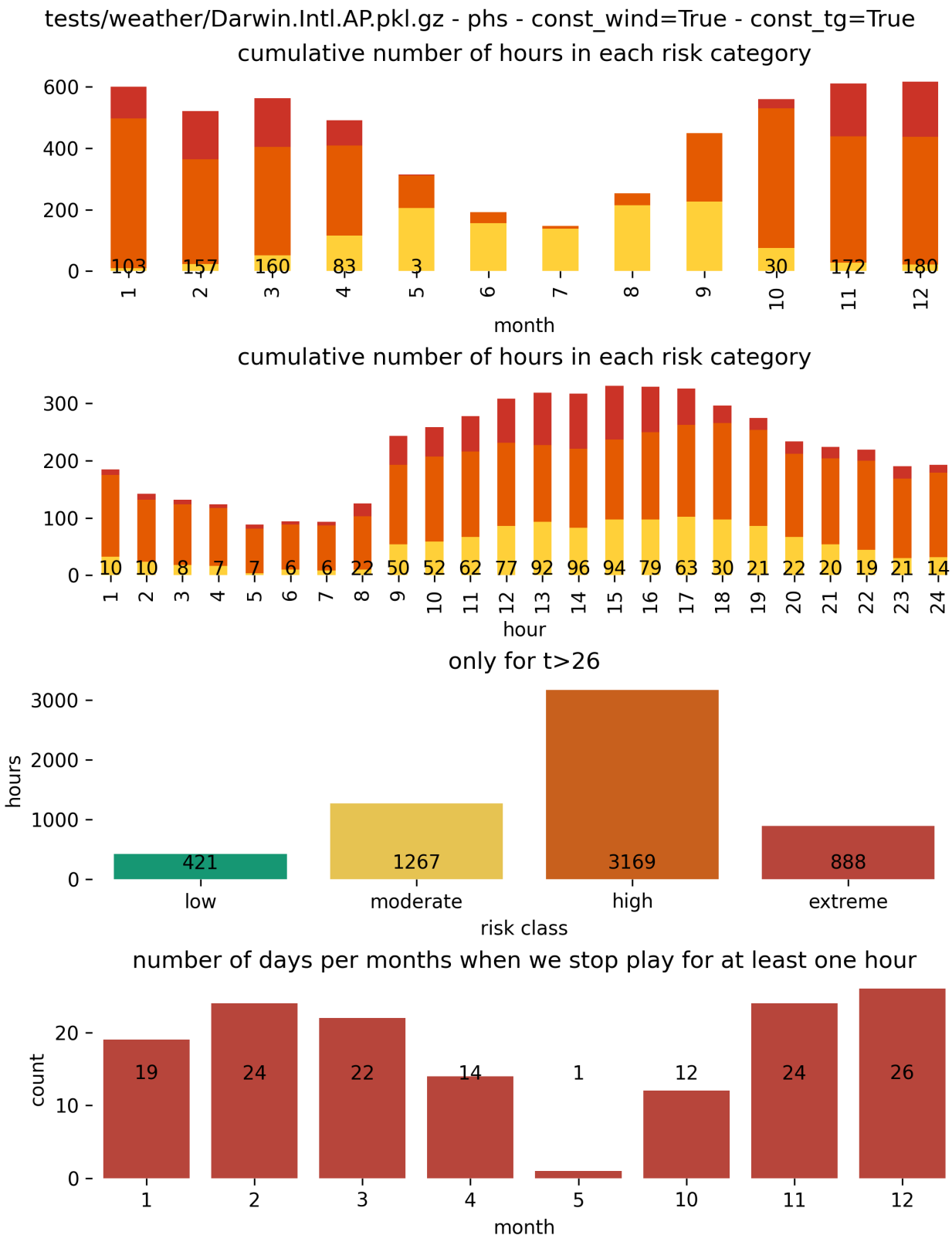


Figure 5: Sport category 3

Figure 6: Sport category 3

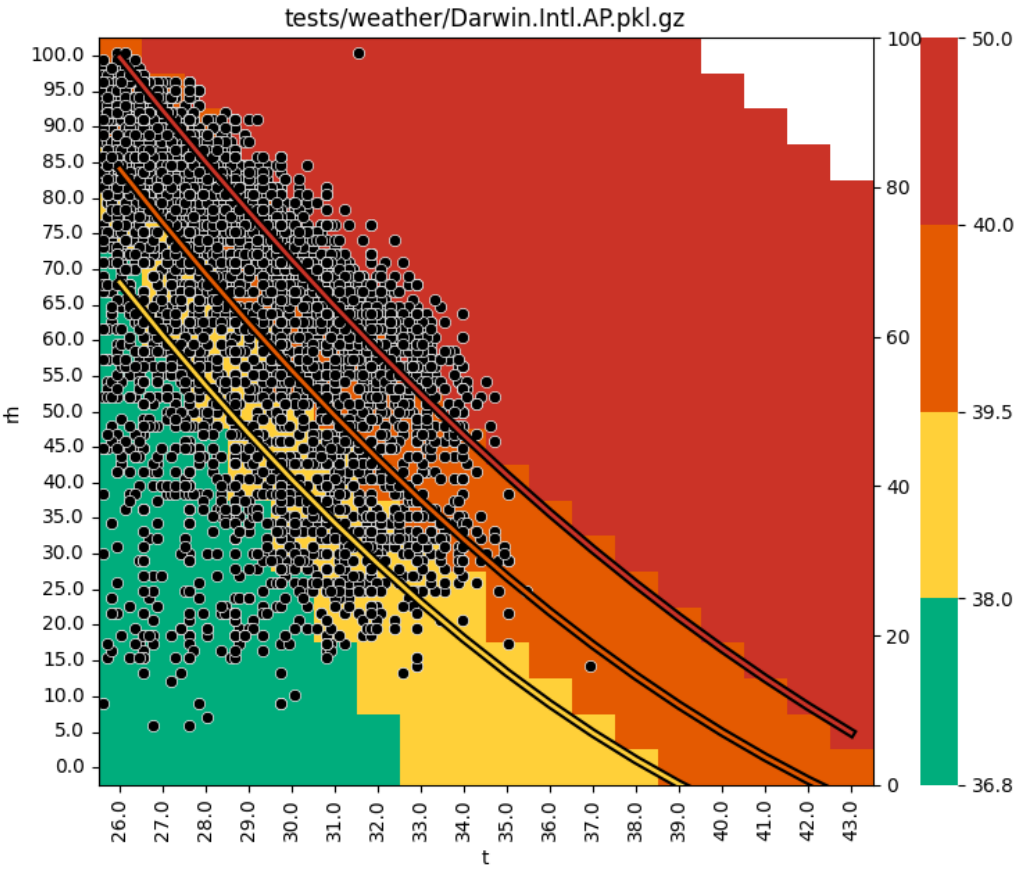


Figure 7: Sport category 3

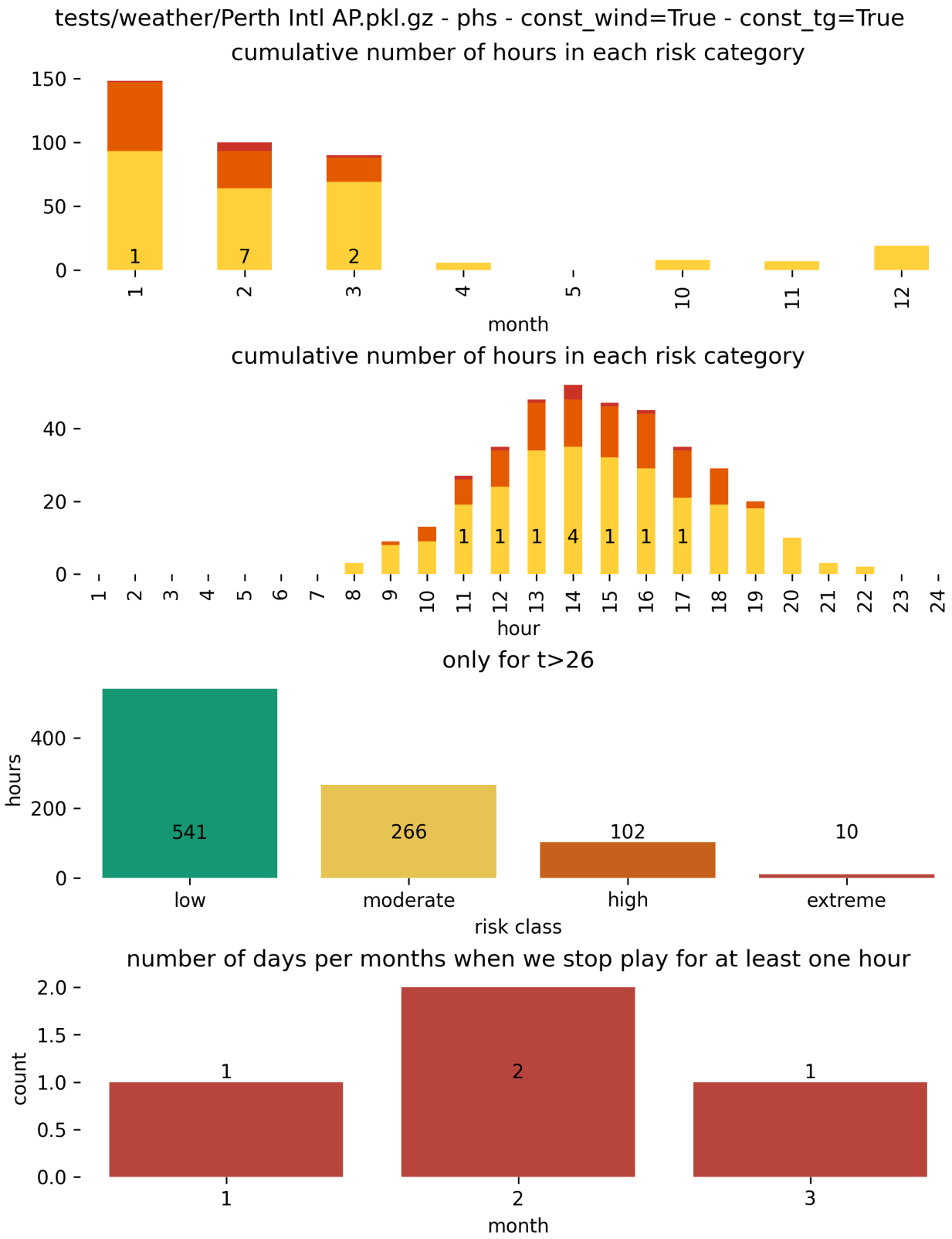


Figure 8: Sport category 3

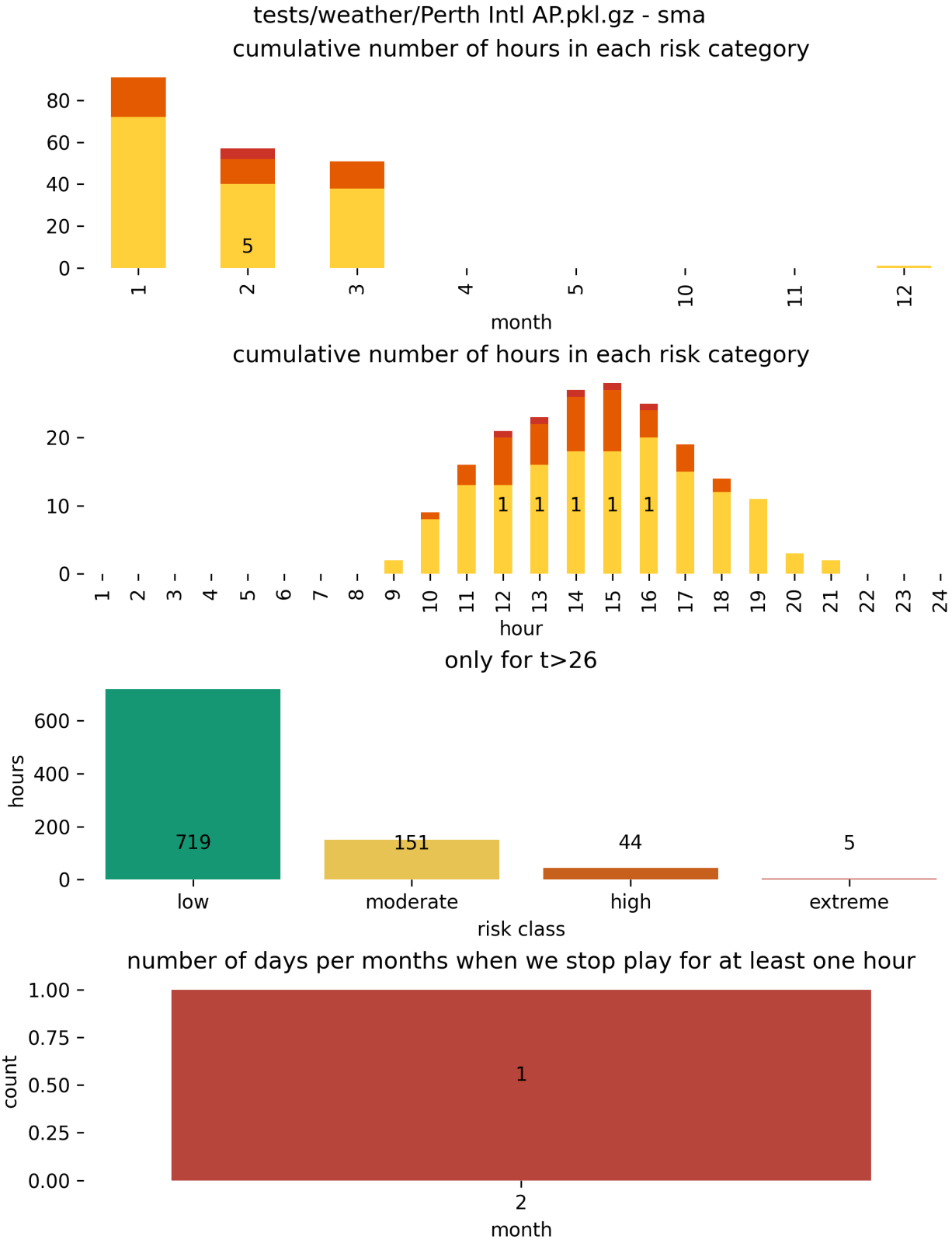


Figure 9: Sport category 3

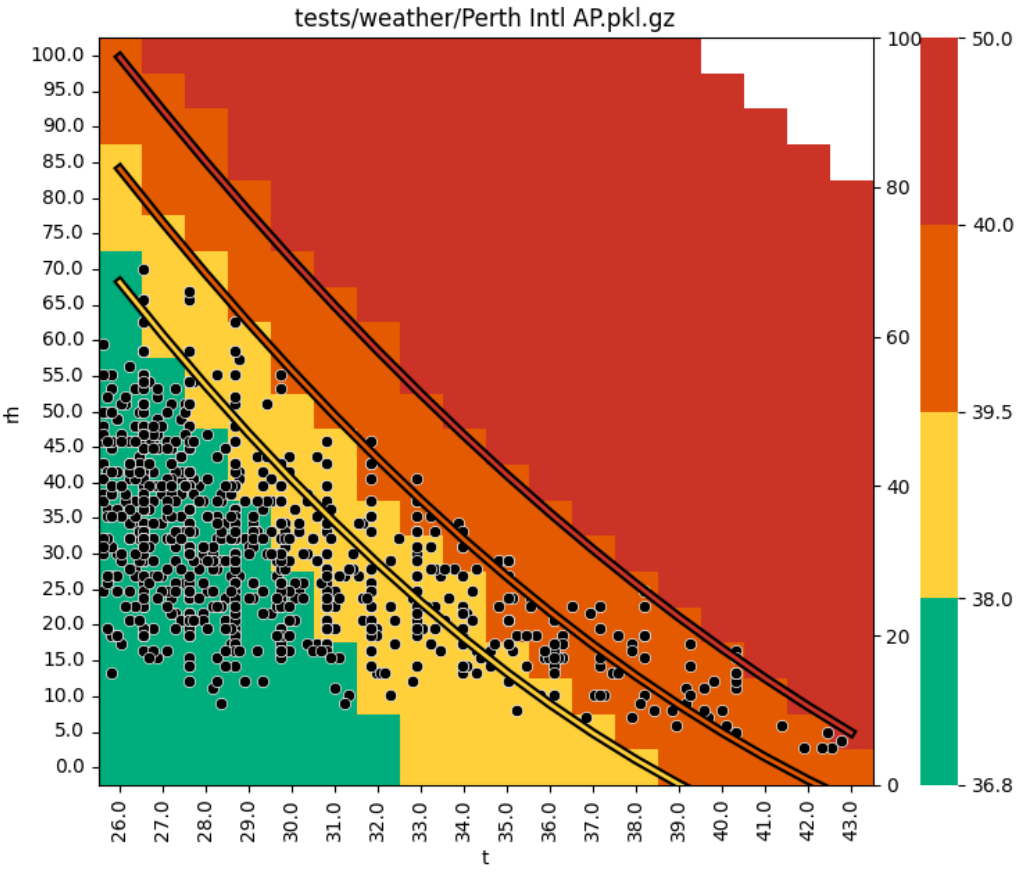


Figure 10: Sport category 3

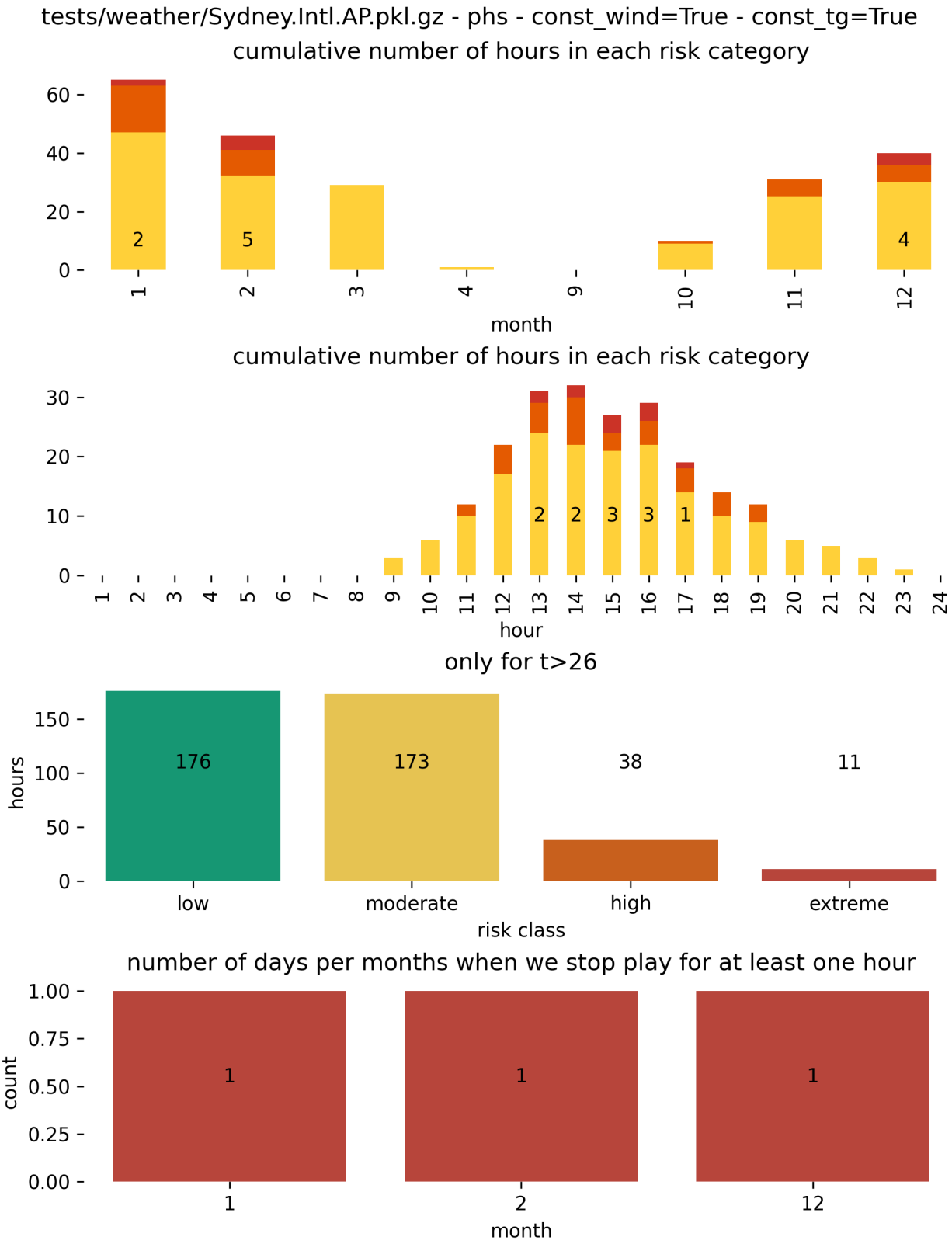


Figure 11: Sport category 3

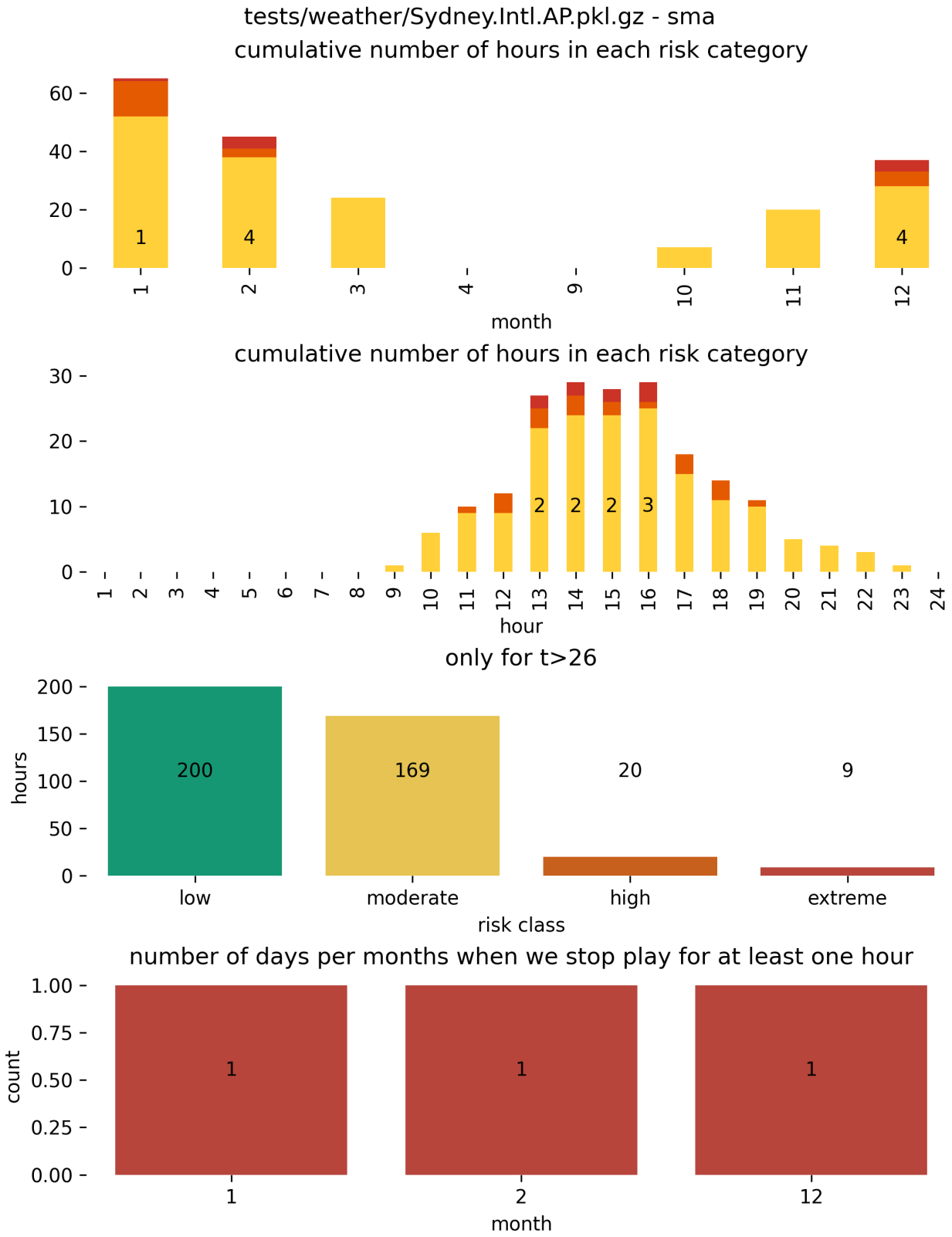


Figure 12: Sport category 3

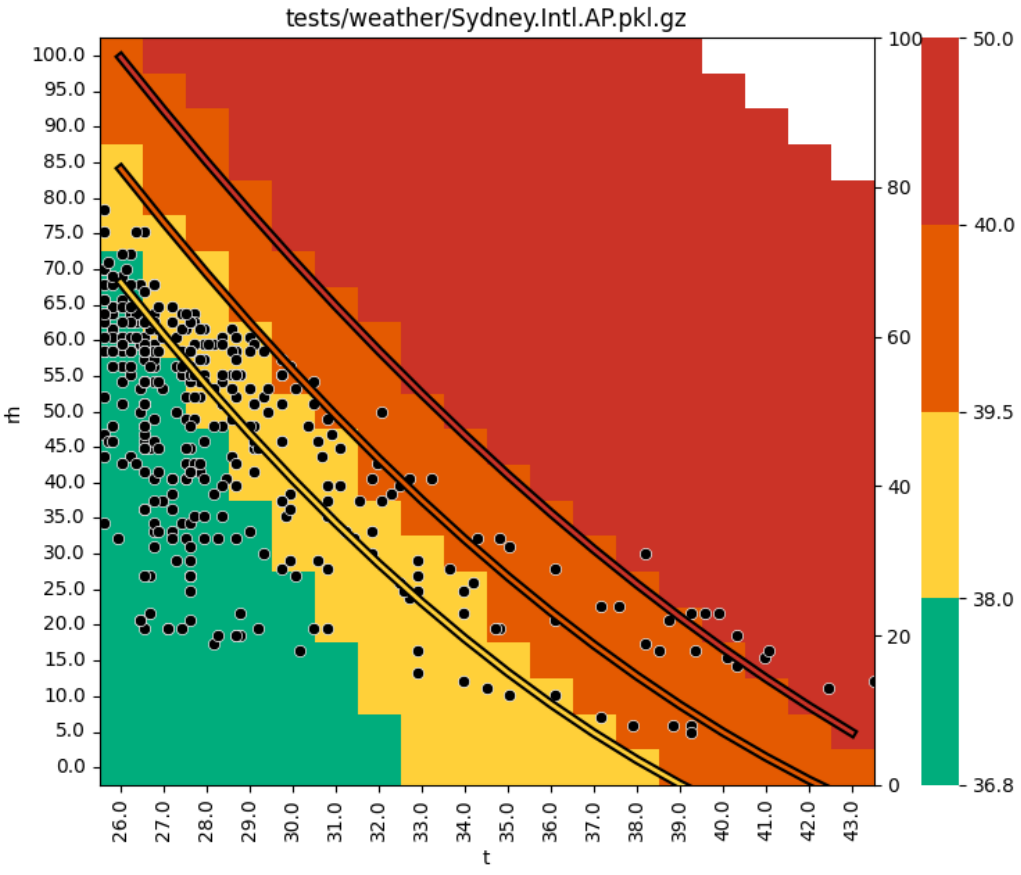


Figure 13: Sport category 3