

# The Case for Band 5 Proposals



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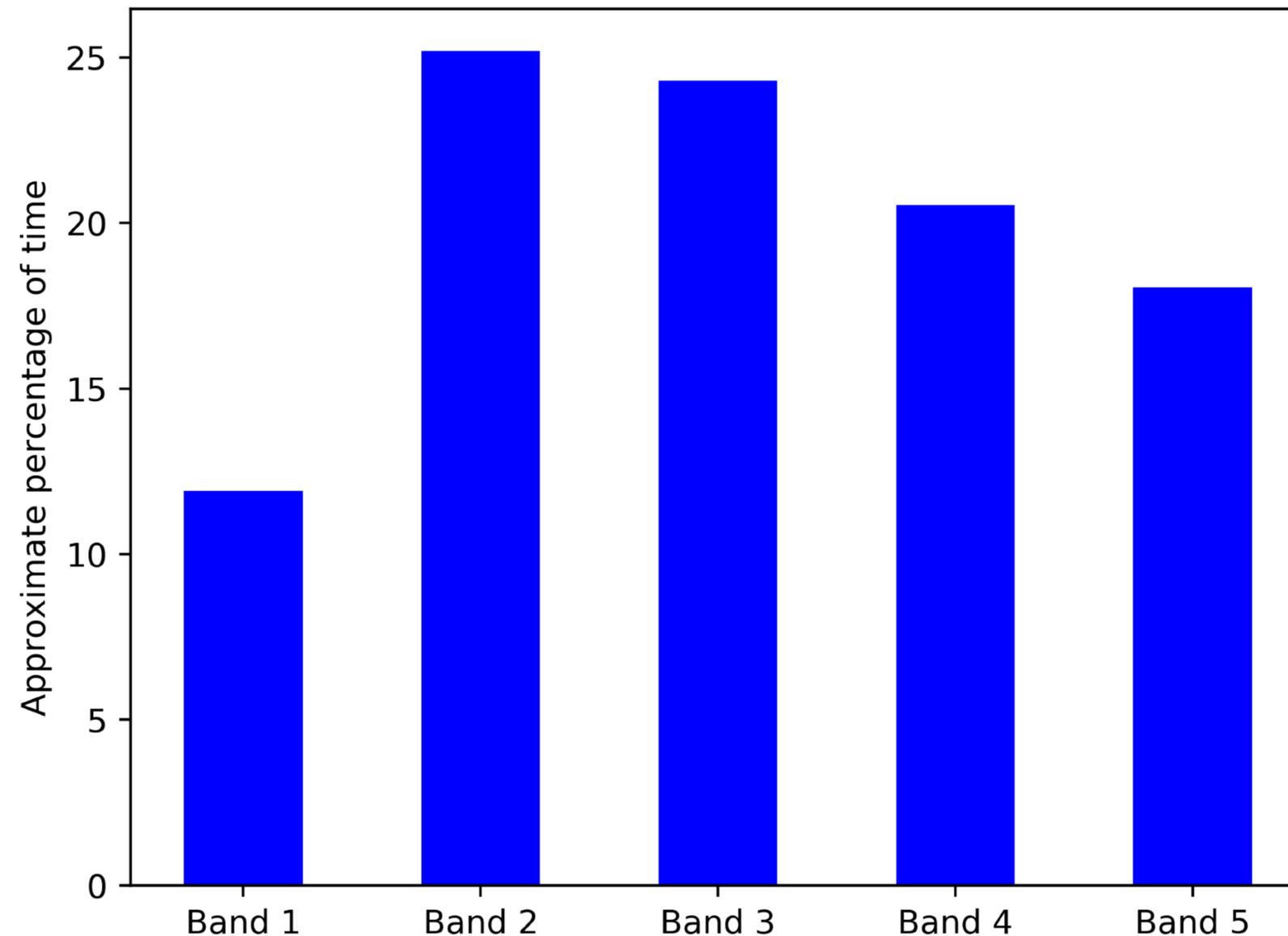
- Why Band 5?
- Ways to use Band 5

**Why Band 5?**



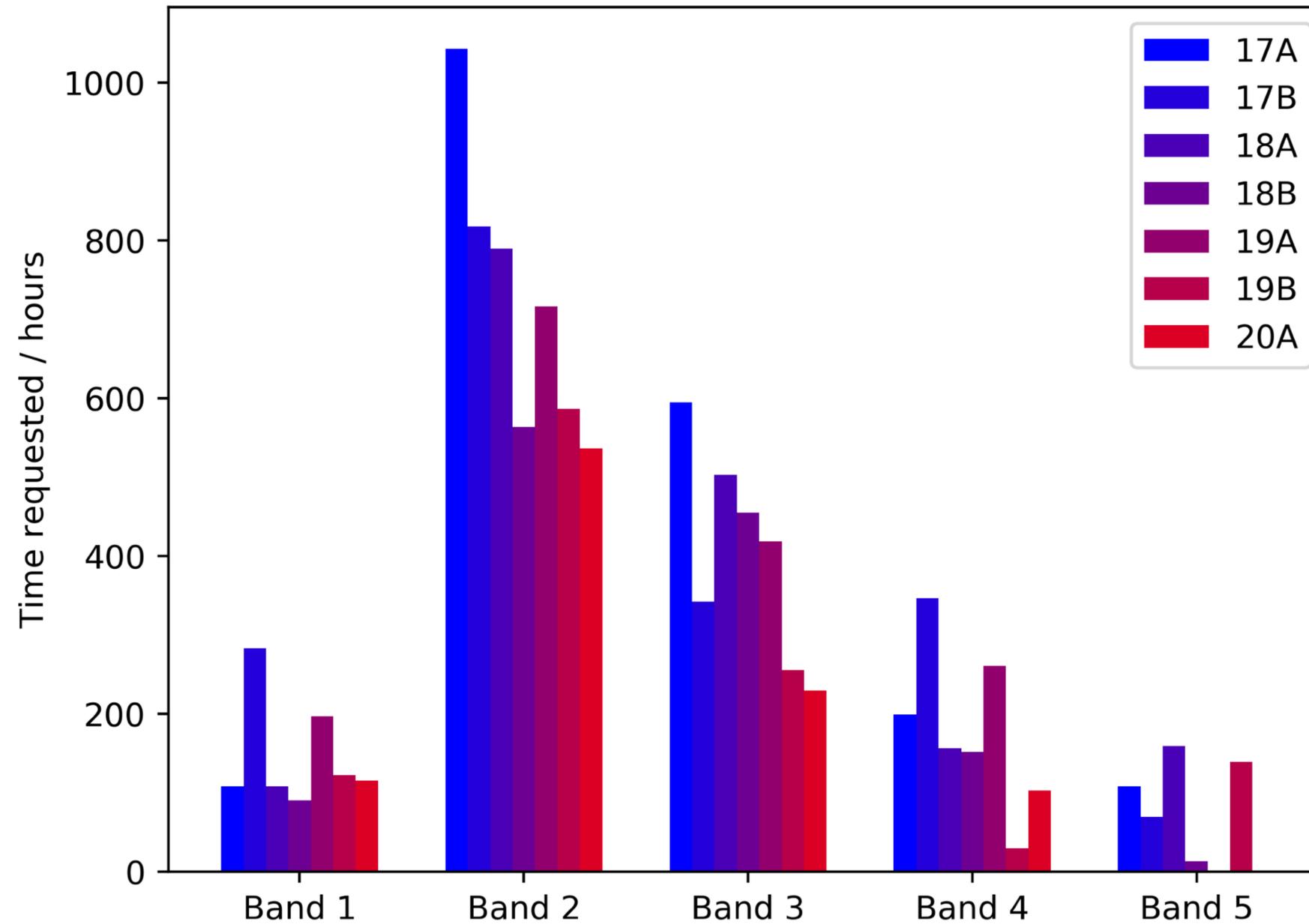
**“Because it’s there” — George Mallory**

# Time available by weather band

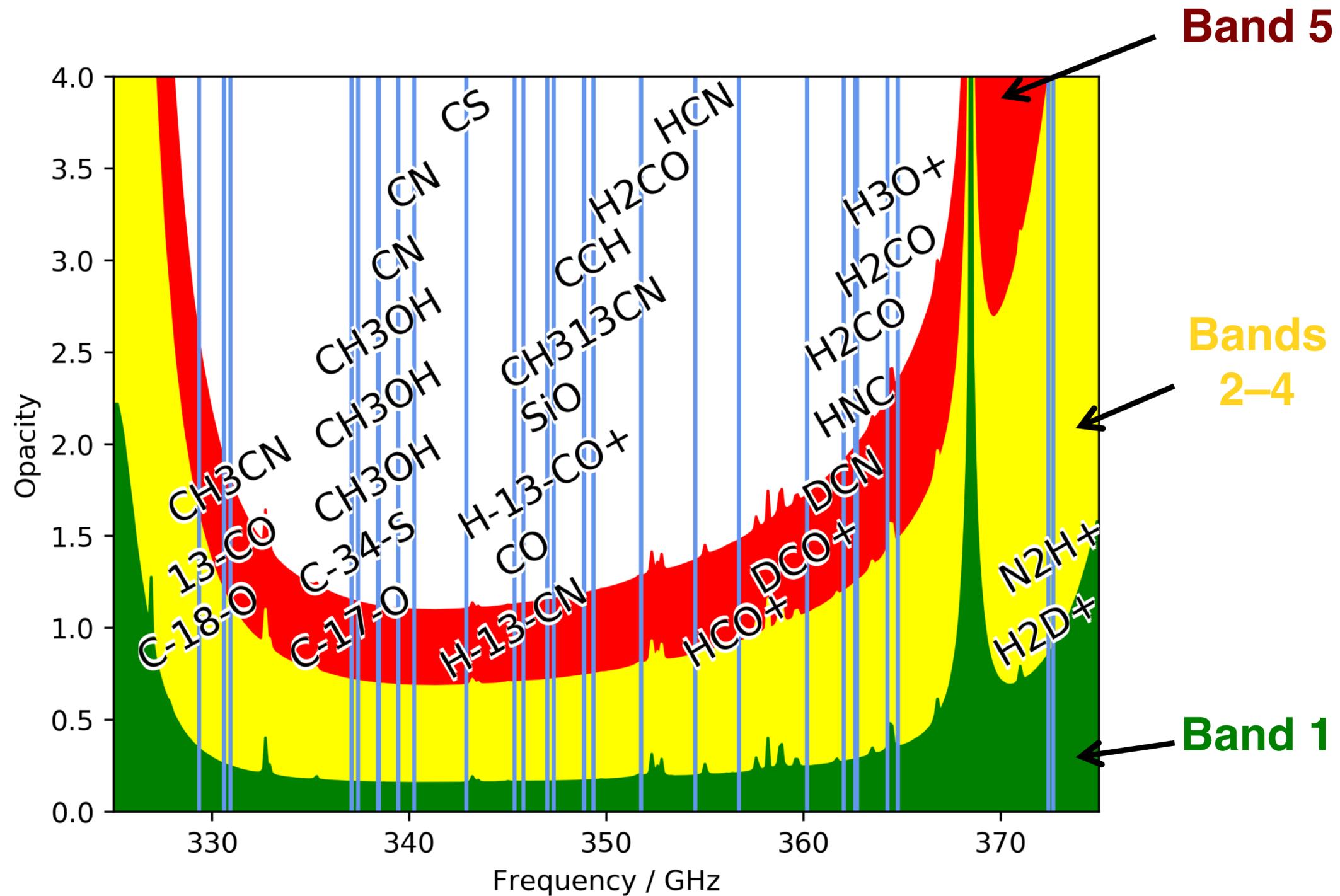


More detail: <https://www.eaobservatory.org/jcmt/observing/weather-bands/>

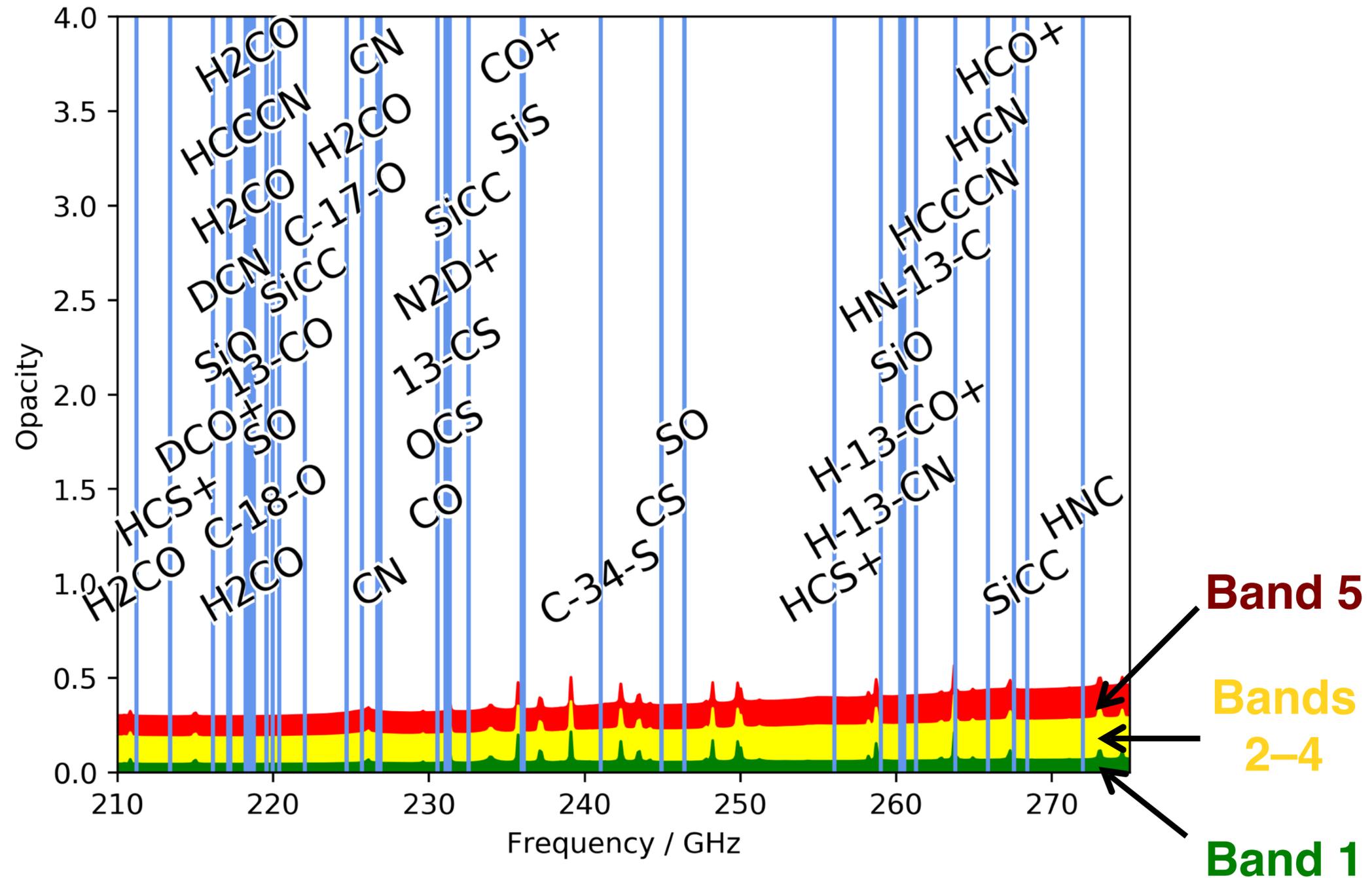
# Proposals received by weather band



# Sky opacity (HARP)



# Sky opacity (RxA3m / 'U'ū)





# **Ways to use Band 5**

# Ways to use Band 5

(1/2)

- Mapping of bright emission
- Scattered point sources
  - Long slews but also long integration times
- High elevation targets
- Avoid high-opacity frequencies with HARP:
  - E.g.  $^{13}\text{CO}$ ,  $\text{C}^{18}\text{O}$   $J = 3-2$
  - ITC was recently updated to improve estimates

# Ways to use Band 5 <sup>(2/2)</sup>

- Pilot programs
- Complementary data for an existing project
  - Extra SED points
  - Comparison with ALMA data
- More speculative projects?
- RT proposals: no time limit in Band 5



