

## Attributes of Streamflow Ensembles in Colorado River Basin

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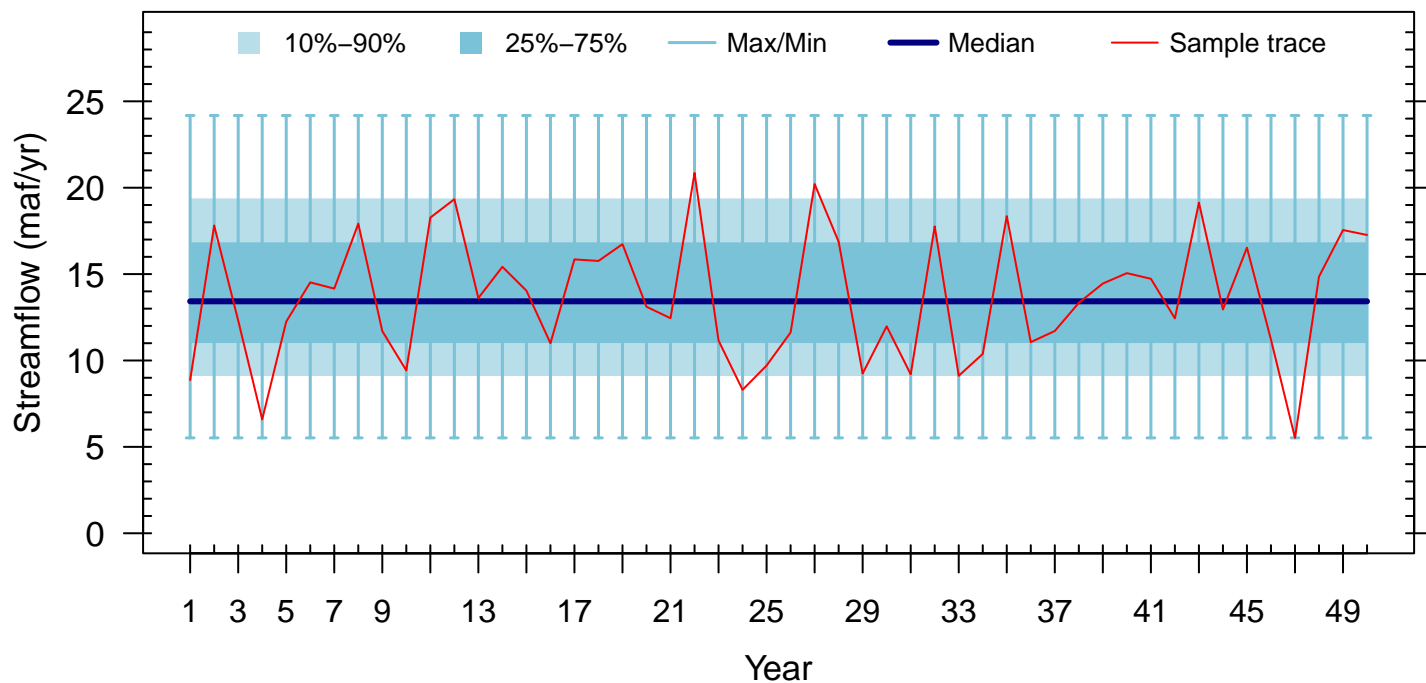
**Ensemble: ISM\_1931\_2020**

**Number of Realizations: 90**

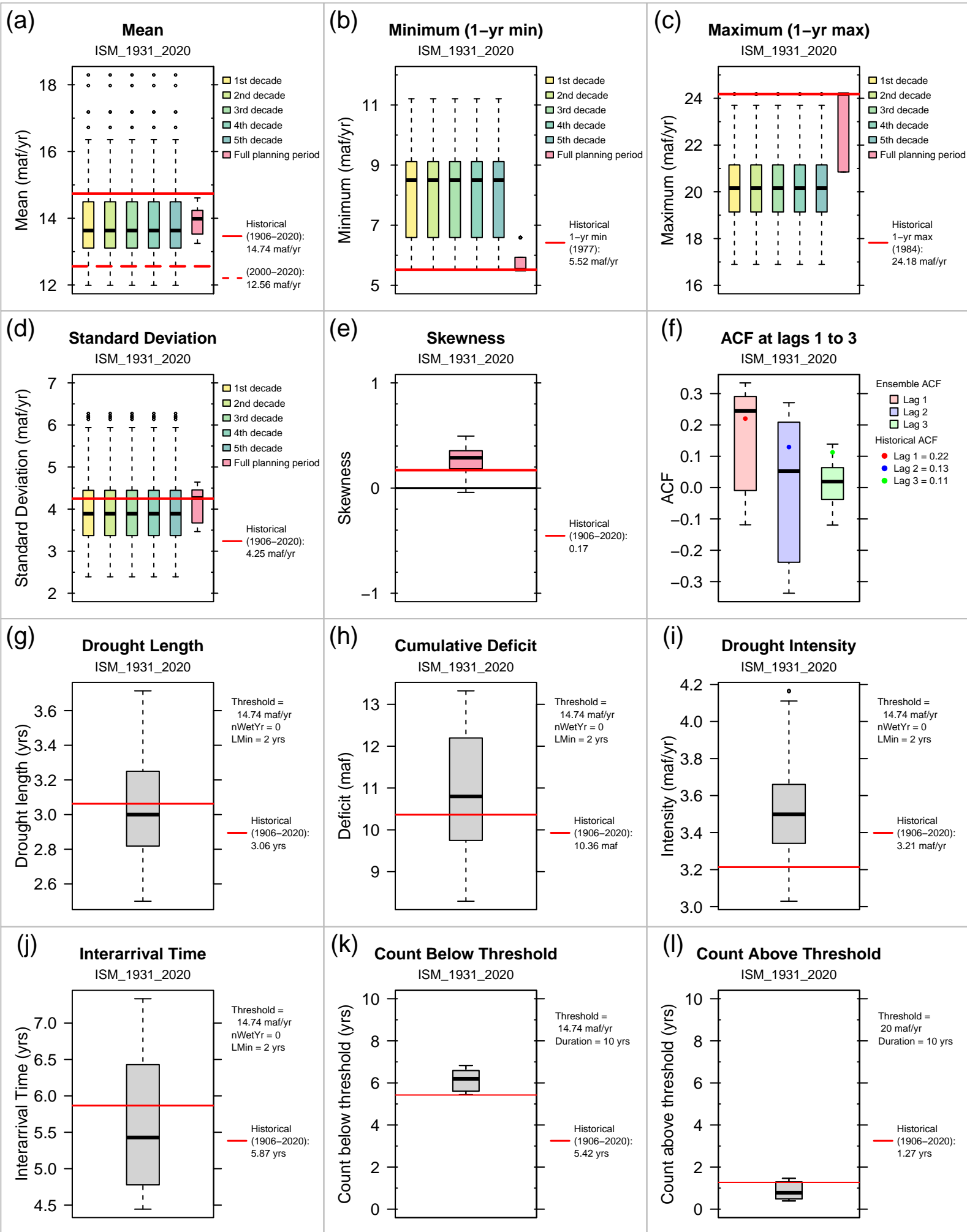
**Planning Period: Next 50 Years**

### Simulated Annual Natural Flow for the Colorado River at Lees Ferry, Arizona

Ensemble: ISM\_1931\_2020, Number of Realizations: 90

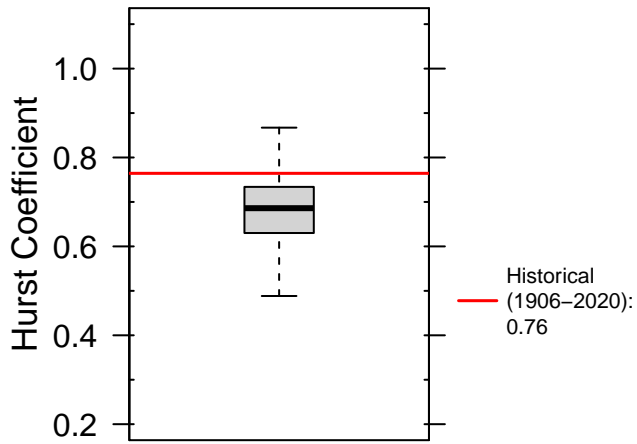


No Trend

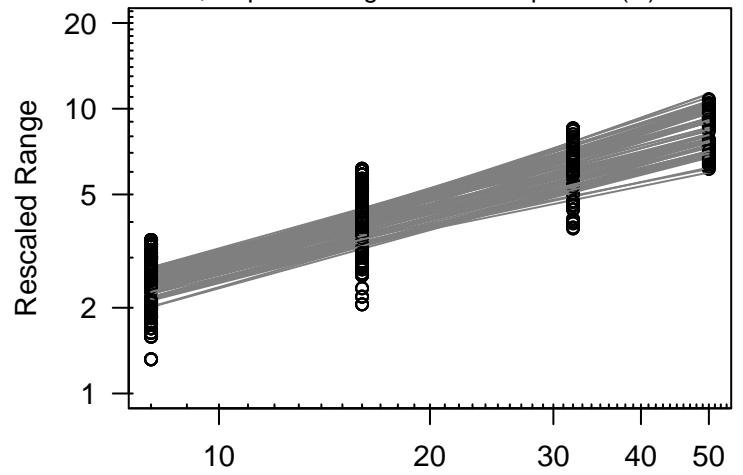


### Hurst coefficient

ISM\_1931\_2020

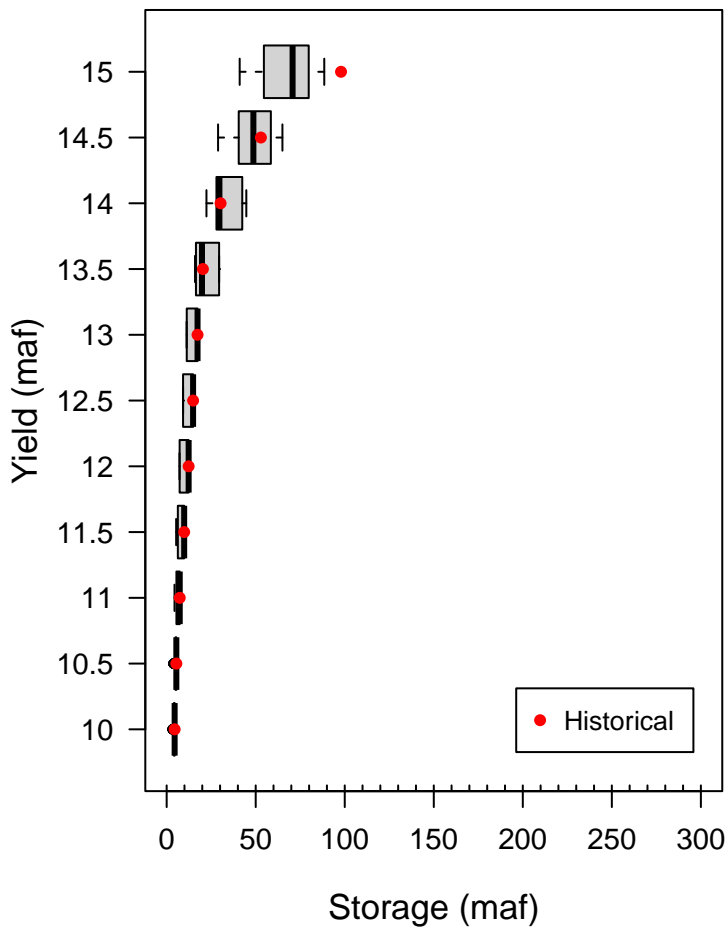


Points for all traces and durations, line for each trace, slope of line gives Hurst exponent (H)



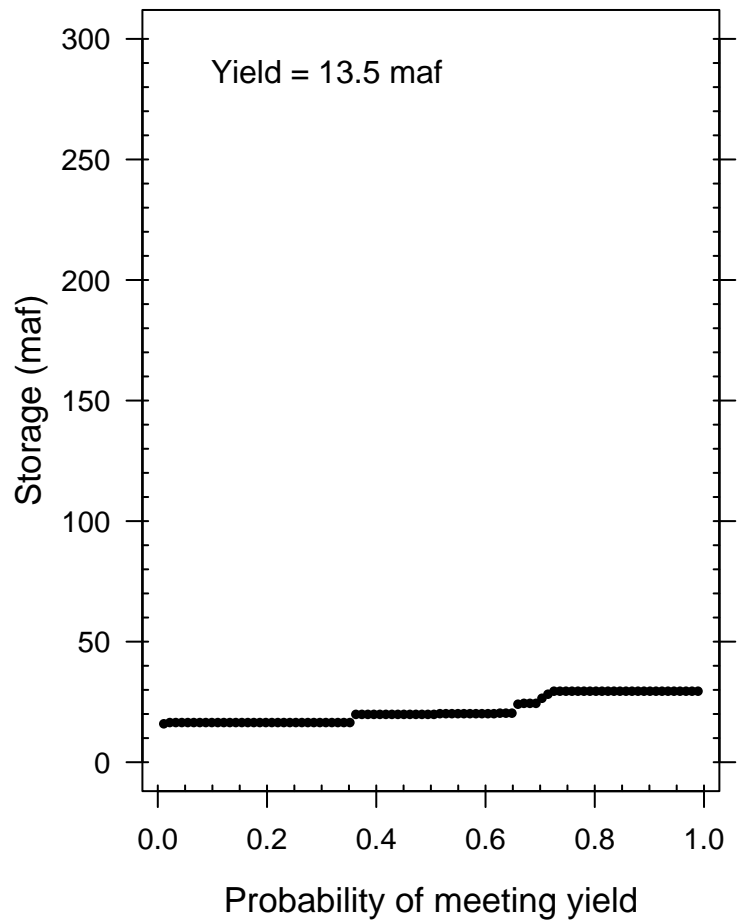
### Reservoir Storage-Yield Analysis

ISM\_1931\_2020

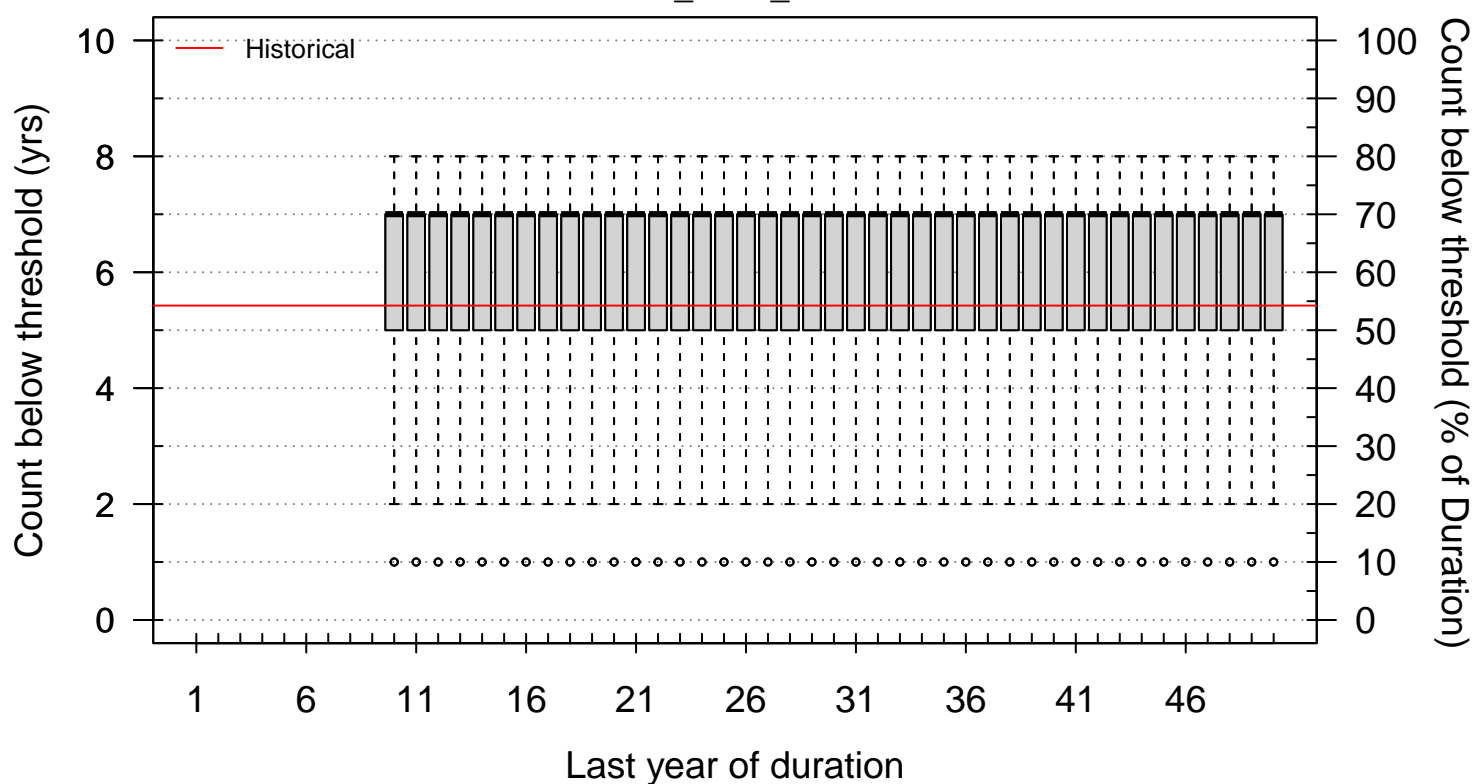


### Reservoir Storage Reliability

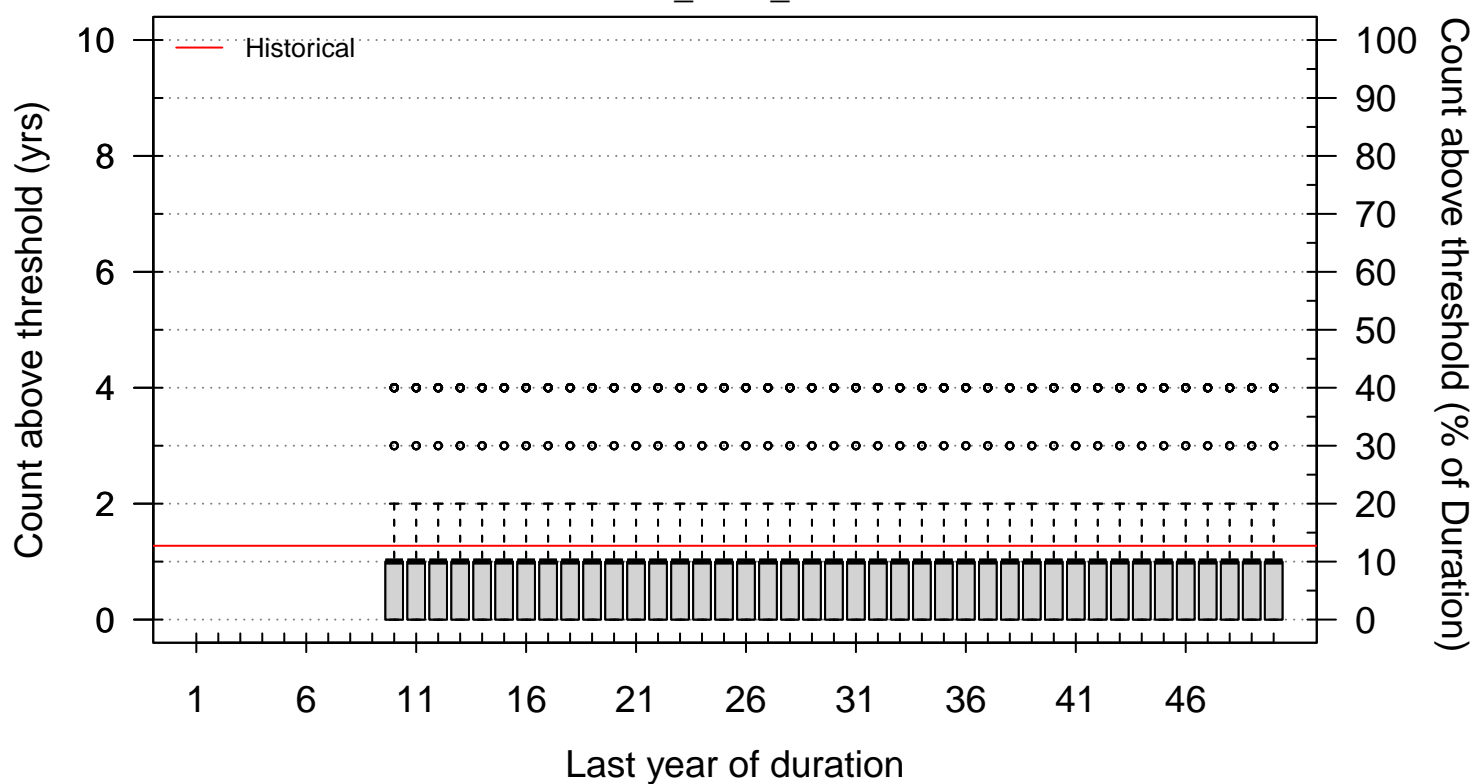
ISM\_1931\_2020



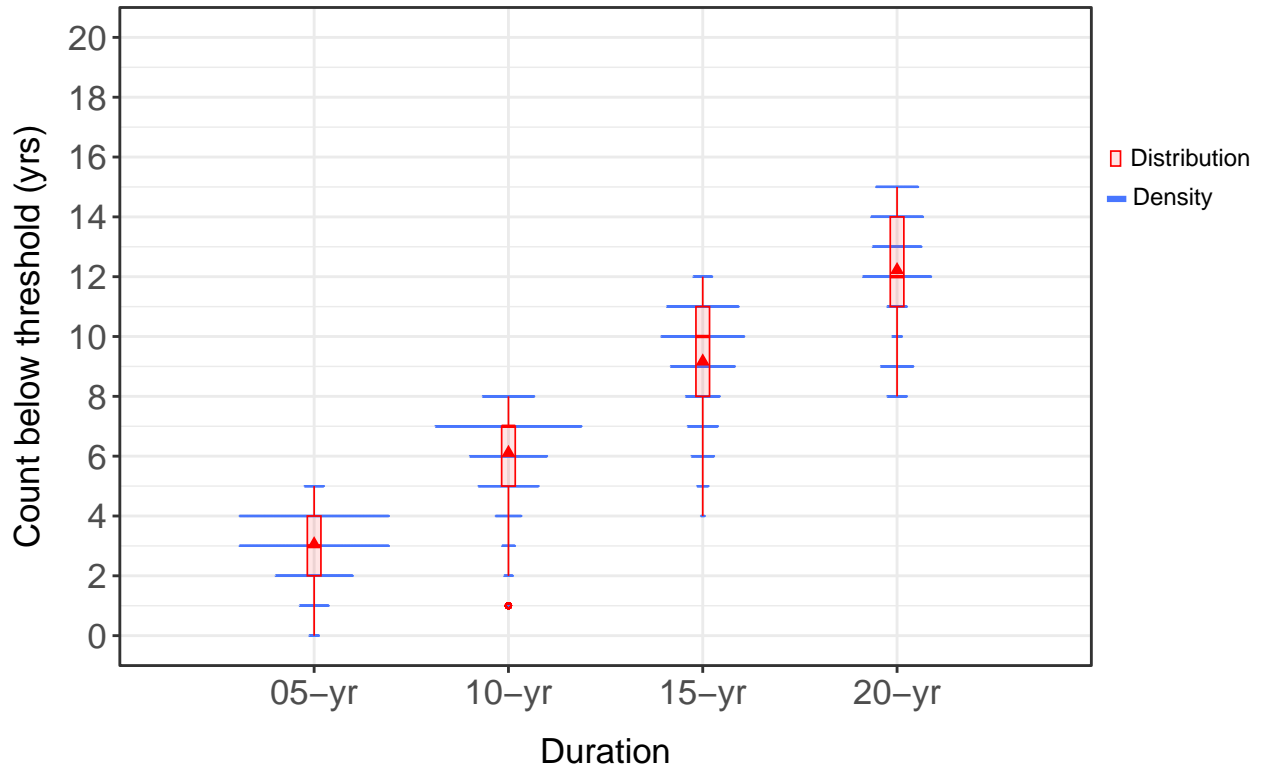
**Moving count below threshold (Duration: 10 yrs; Threshold: 14.74 maf/yr)**  
**ISM\_1931\_2020**



**Moving count above threshold (Duration: 10 yrs; Threshold: 20 maf/yr)**  
**ISM\_1931\_2020**



# Duration-count analysis (Threshold: 14.74 maf/yr) ISM\_1931\_2020



## Duration-Severity Analysis, Ensemble: ISM\_1931\_2020

