New techniques to schedule observations EVN through BHTOM

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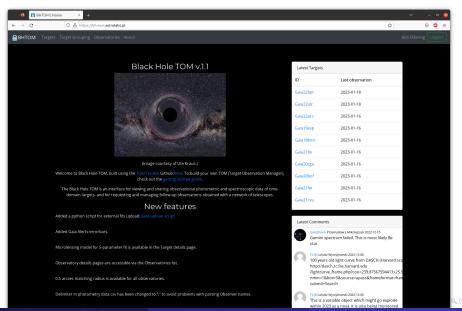
2023-01-24

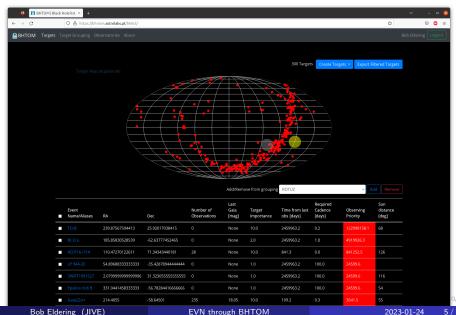
Background

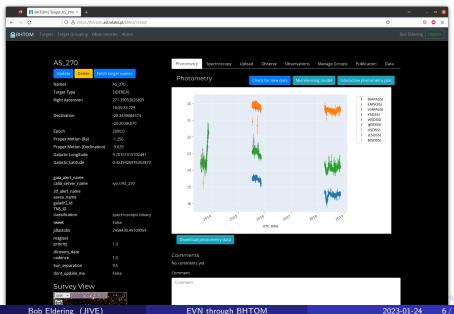
- ORP project
- WP3 JA2.2: Time-Domain, Multi-Facility & Multi-Frequency access to Research Infrastructure

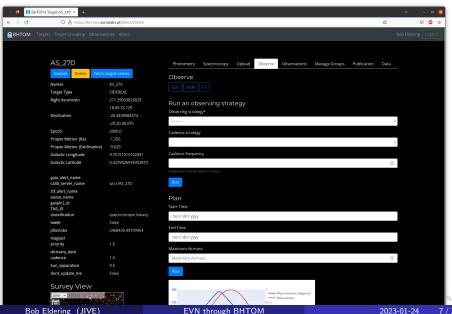
Black Hole TOM

- Based on TOM toolkit by LCO
- Coordinate follow-up observations for long-term monitoring
- Target priority list
- Expand to radio

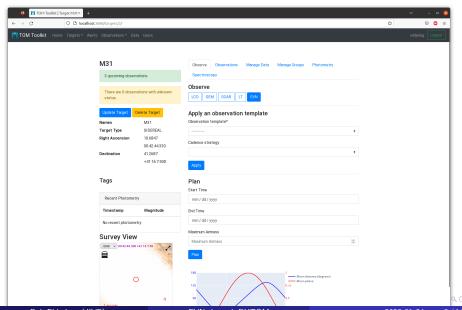




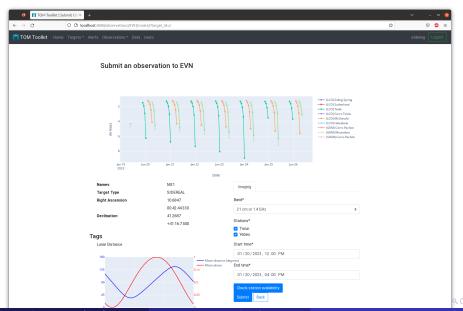




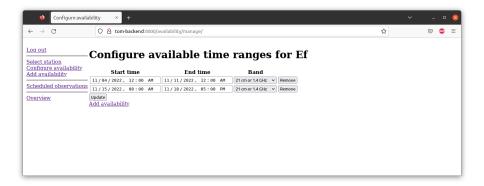
TOM EVN module



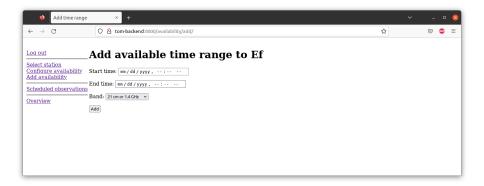
TOM EVN module



Backend: telescope time



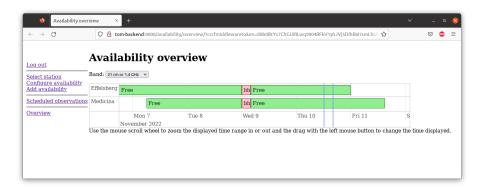
Backend: telescope time



Backend: scheduler



Backend: overview



Pilot

- https://tom-backend.jive.eu/
- What kind of science?
- How much automation?
- What time allocation schemes work for which stations?