

# INTEGRAL Status Update

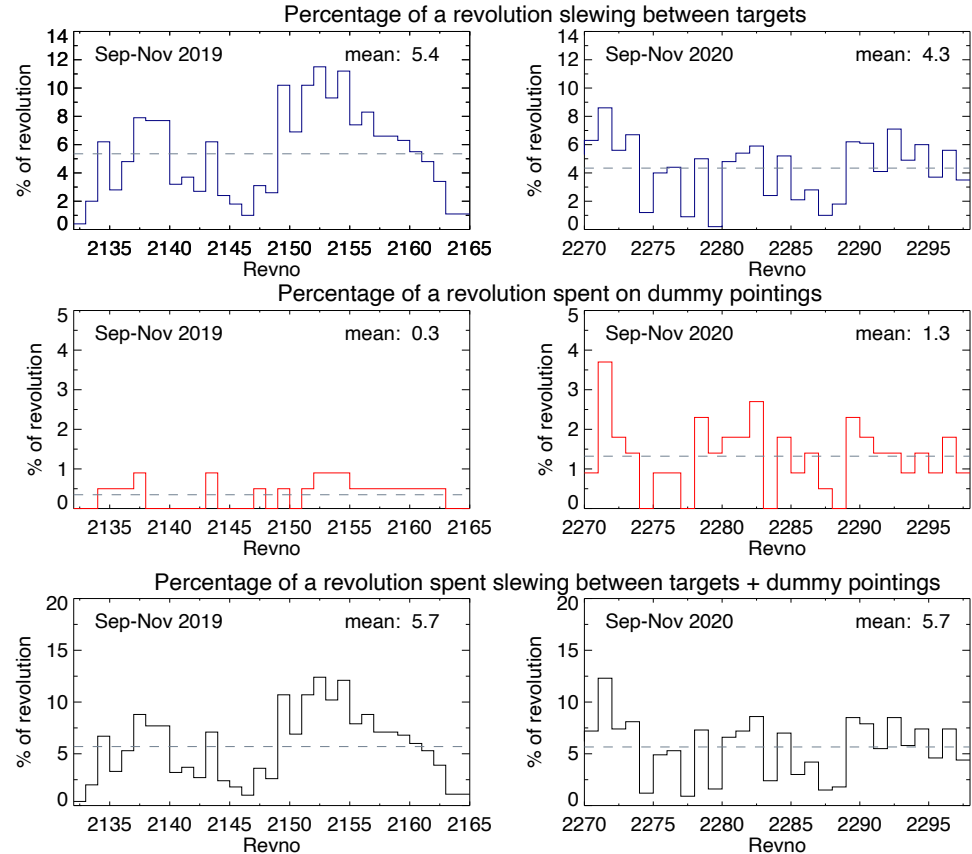
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IUG

- Scheduling efficiency as high as it was before May ESAM#8

- 3-month average (Sep, Oct, Nov)

- Slews: 5.4% in 2019; 4.3% in 2020
- Dummy: 0.3% in 2019; 1.3% in 2020
- **S+D: 5.7% in 2019; 5.7% in 2020**



- **Major Inefficiencies Identified**

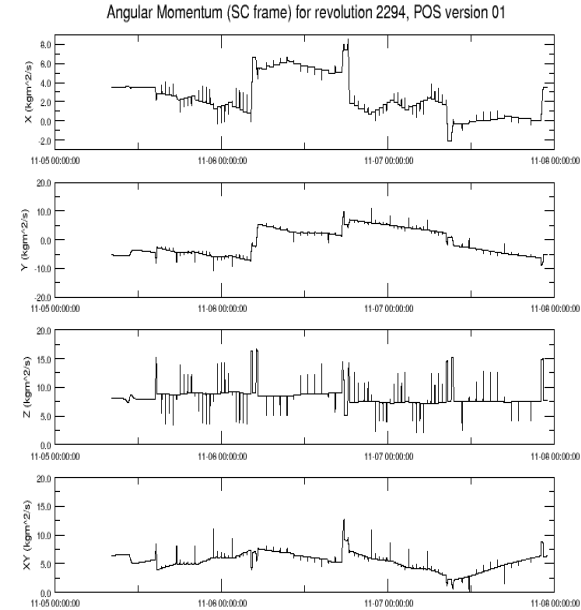
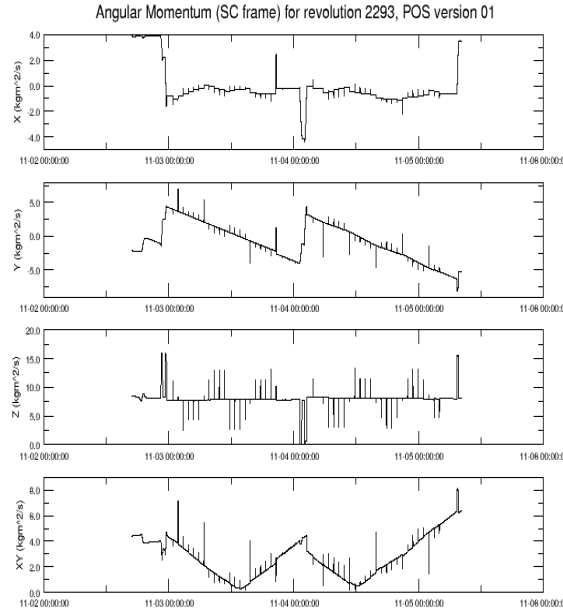
- Manual Slew-splitting and dummy pointing insertion.
- Multiple email exchanges and iterations with FD for angular momentum control.

- **Major Software improvements**

- Automatic slew-splitting and dummy pointing insertion.
- Angular momentum evolution server on MOC virtual machine.

## • Angular momentum evolution

- Z-flip strategy to balance momentum
- Numerous tests performed
- Most efficient are two targets per revolution
- Momentum evolution must be monitored every revolution
- Now done by ISOC using MOC-supplied virtual machine



- **Scheduling efficiency as high as it was before May ESAM#8**
- **Science planning close to max efficiency with GO-program targets**
- **Scheduling very smoothly coordinated between 4 people**
- **Let's gather the community support for the extension we all want!**