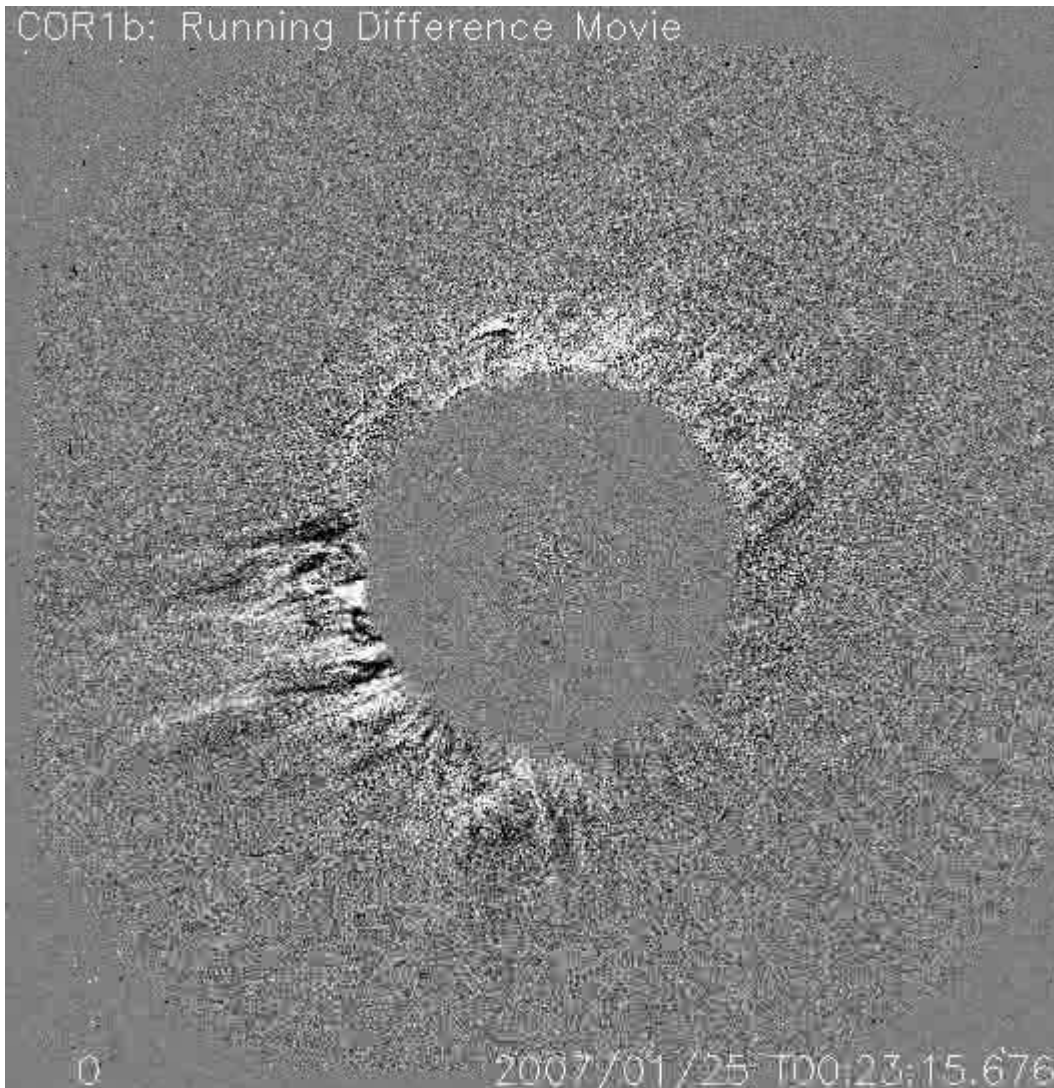


STEREO SECCHI COR1 Status



**O. C. St. Cyr
for J.M. Davila and
COR1 science
team**

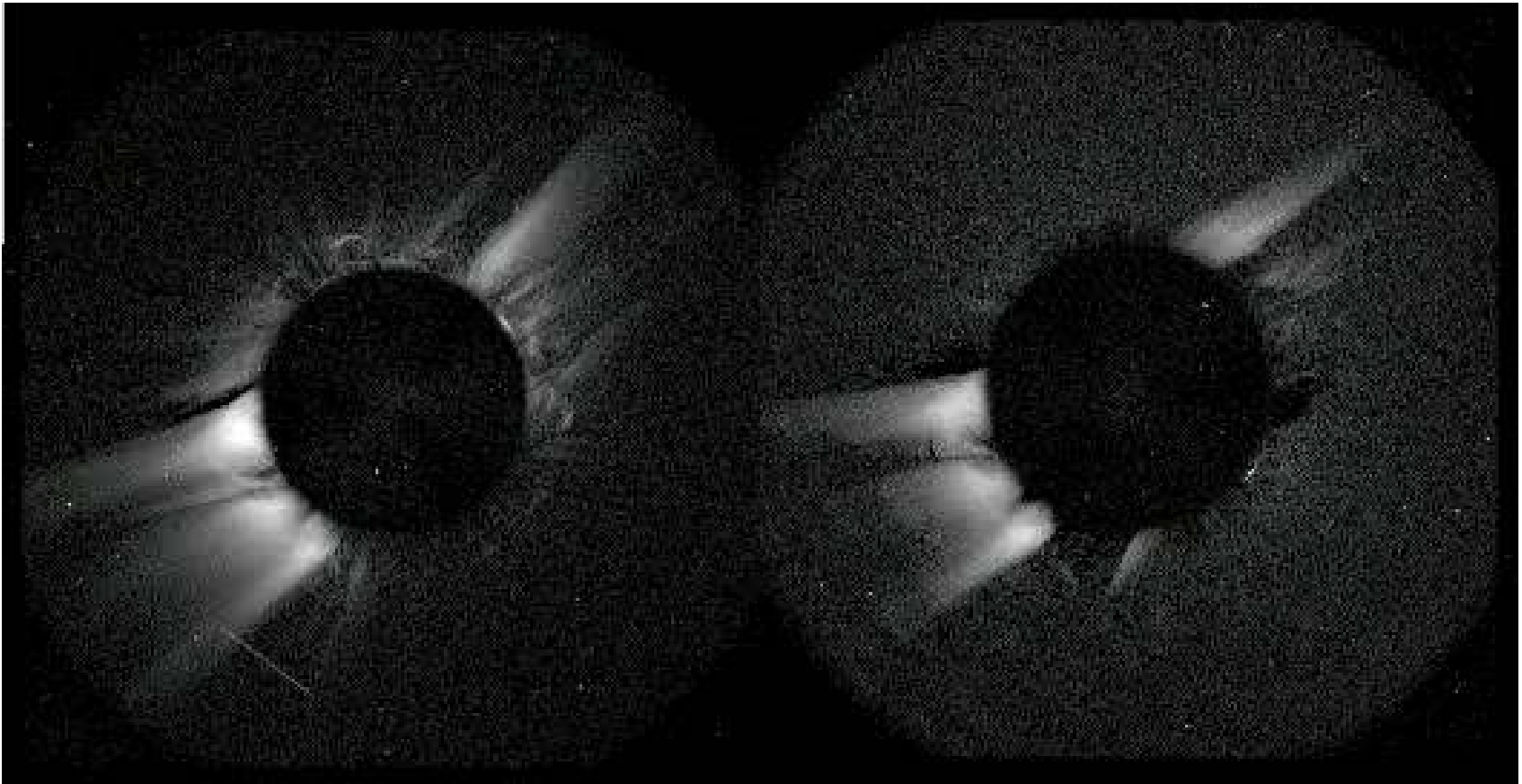
**Heliophysics Science Division – Code 670
NASA-Goddard Space Flight Center
(Chris.StCyr@nasa.gov; 301-286-2575)**

COR1 Status

- **COR1-A and COR1-B are both observing regularly as part of the synoptic program**
 - Both are returning scientifically-useful images!
- **First light:**
 - COR1-A -- December 4, 2006
 - COR1-B -- December 13, 2006
- **COR1-B has lower stray light than COR1-A**
 - COR1-B objective lens changed at KSC

COR1 pB (24-Jan-2007)

minimum daily pixel

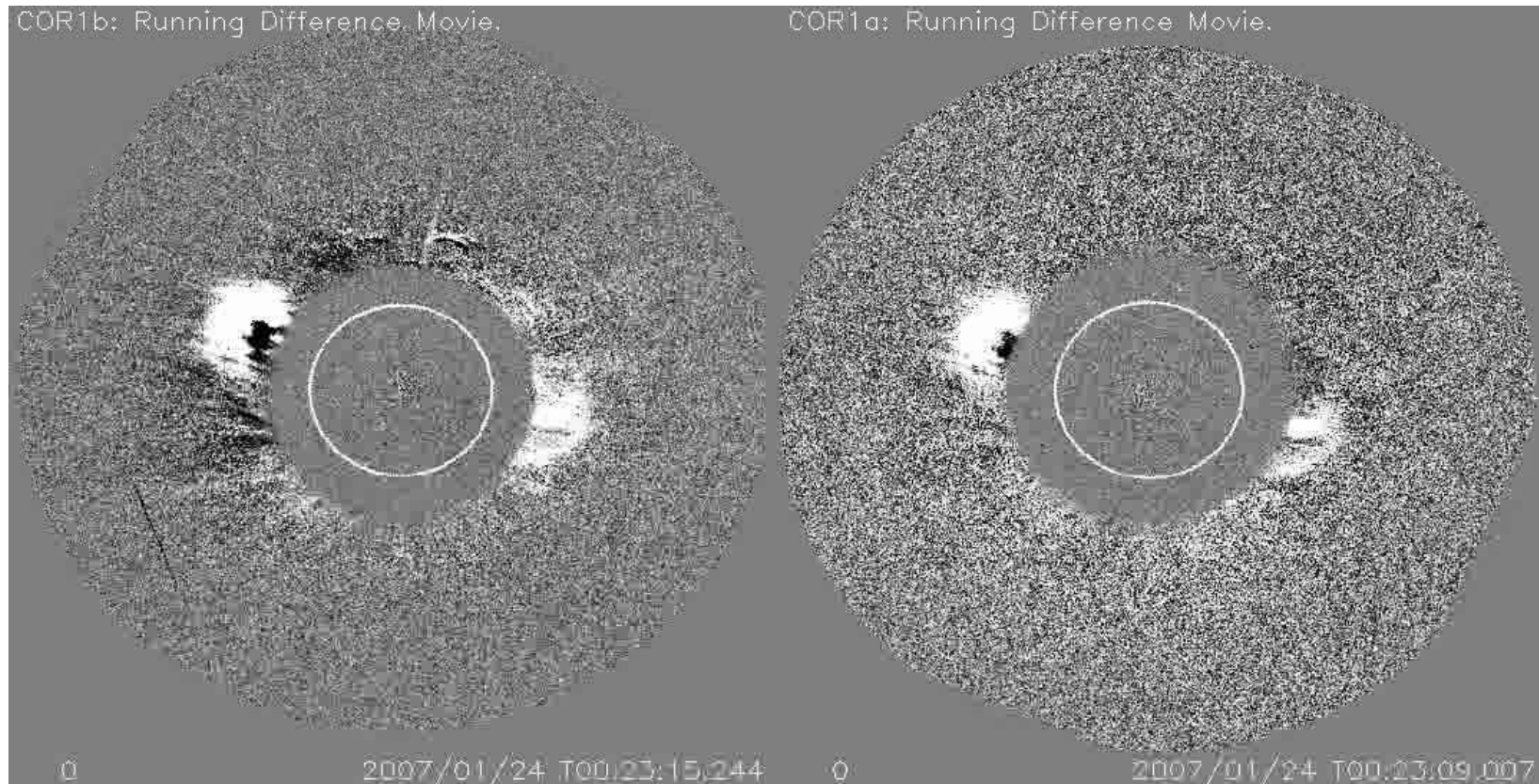


Behind

Ahead

COR1 “B” (24-Jan-2007)

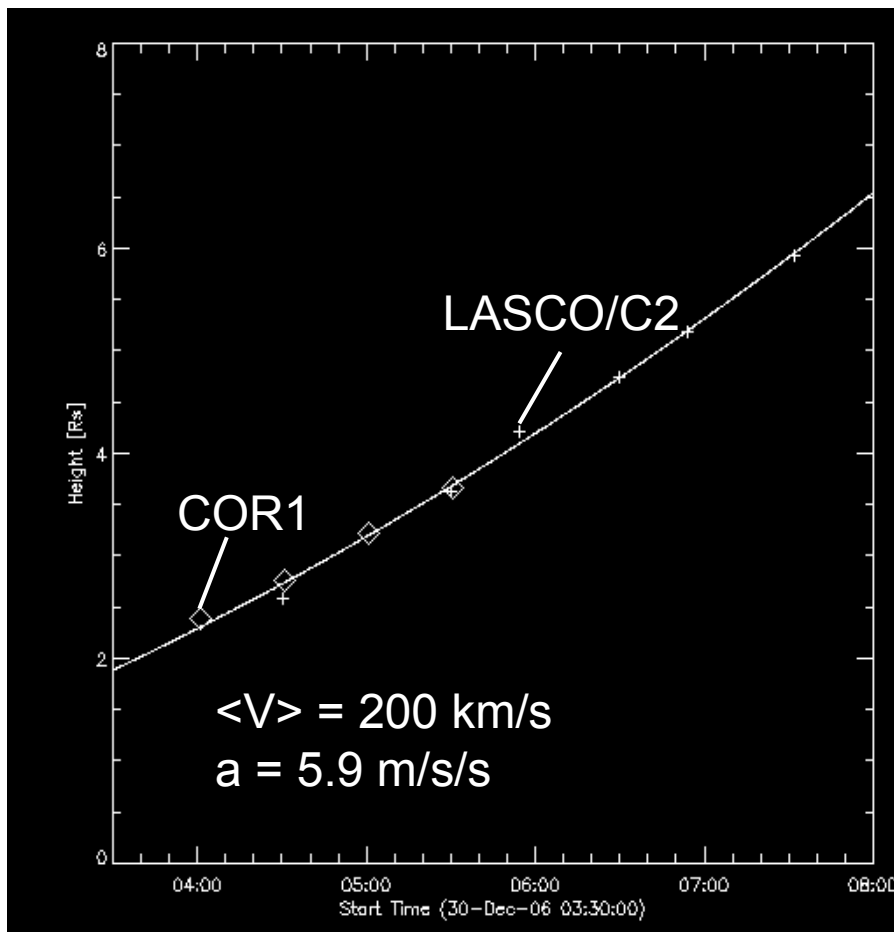
running difference median



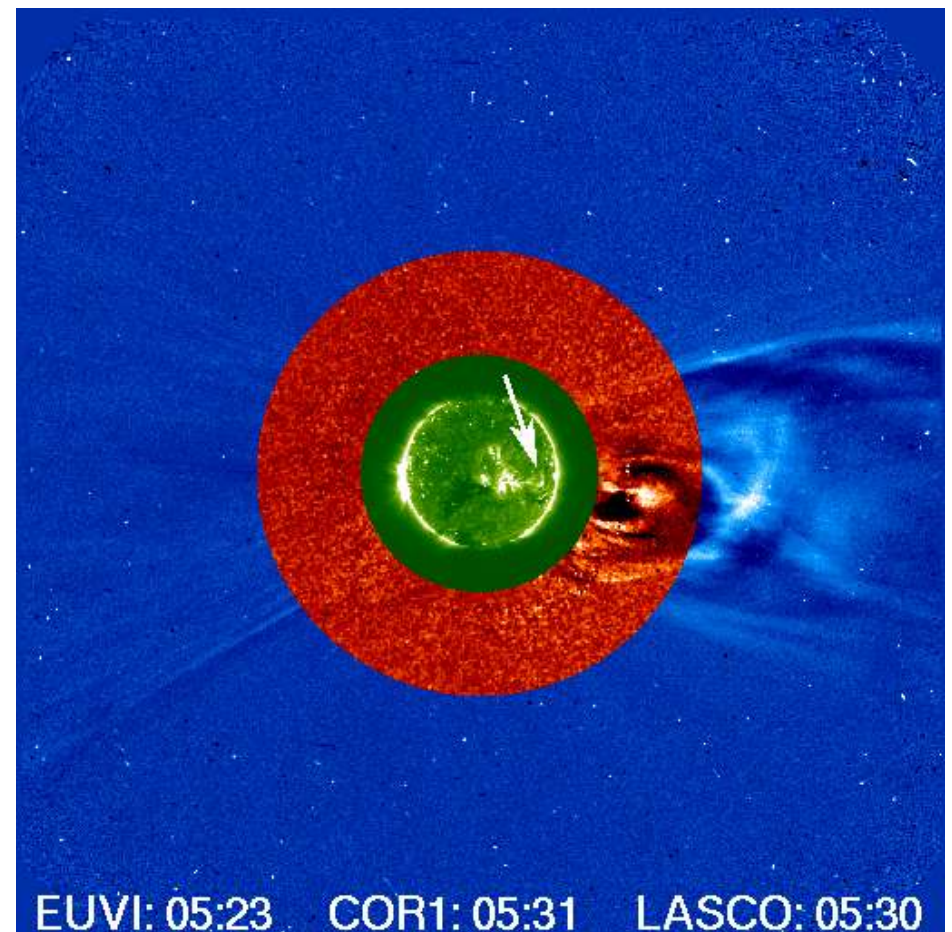
Behind

Ahead

First CME Height-time Plot



2006/12/30

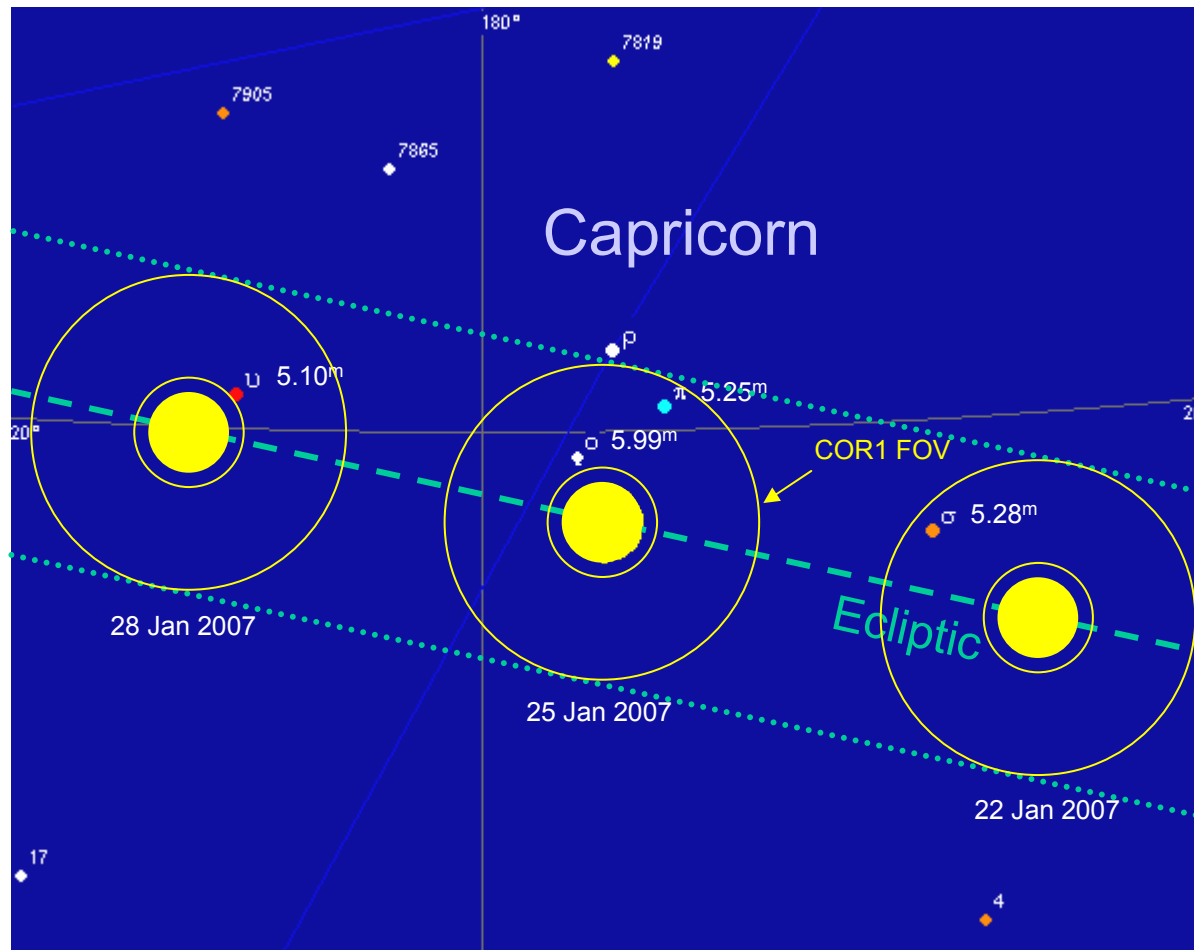


Gopalswamy and Yashiro

15-Jan to 18-Feb-2007

	COR1-A	COR1-B
Observing [Days]	31	35
Data Gaps [Days]	4	0
Average [Images/Day]	67	62
Cadence [min]	21.5	23.2
CMEs Detected	27	24
Questionable CMEs	6	9
Stars Detected	1	7
Debris Sightings	1	2

Background Stars



- Stars passing through FOV provide an opportunity to verify alignment and may be useful for intensity calibration
- Four stars observed during last week of January

COR1 Science Team

- **J. M. Davila, O. C. St. Cyr, B. Thompson, J. Gurman, N. Gopalswamy, and W. Thompson (SECCHI co-I's)**
- **J. McAteer, M. Kramer, H. Cremades, H. Xie, S. Yashiro, N. Reginald, G. Stenborg, T. Moran**
- **S. Jones (graduate student)**
- **Undergraduate students at MLSO (J. Burkepile)**
- **Image enhancement at Mees (Huw Morgan)**

COR1 Work-in-Progress

- **Several people working on different methods to remove stray light pattern**
 - **Dynamic versus static**
- **Using stars to determine COR1 intensity calibration and Sun location**
 - **Stars identified in both A and B**
- **Preliminary event list started (duty cycle, CMEs, stars, space debris, etc...)**

COR1-B Lunar Transit Movie

**Base
difference
in B**

