OL+TT+DM sync recording on tomography asterism # A1

Experiment #	1	Asterism #	A1
Date/time	2006-02-09, 22:50 - 23:00	RA (J2000)	02:19:10
UT	06:50 - 07:00	DEC (J2000)	+57:07:50
FSM loop	closed (mainly)	ZD/airm	2.2 airm
DM loop	open (closed occasionally)		

	HOWFS	MGSU 2 (Chico)	MGSU 3 (Zeppo)	MGSU 4 (Harpo)
format	32x32	64x64	64x64	64x64
program/cfg.	5/Lil-Joe-32x32	5/Lil-Joe-64	5/Lil-Joe-64	5/Lil-Joe-64
frame rate	255.801			
gain	?	1	1	0
x (TP)				
y (TP)				
star name	SAO 23181	(BD+56 526) ? after rot.	(BD+56 525) ? after rot.	(BD+56 529) ? after rot.
magnitude	8.43 V			
exposure time	484.919 sec			
# frames	124043			

File name: /raid/Feb_09_2006/asterism_data/A1-UT0650.xvf
(mount /dev/sdc1 /raid)

Notes
Started 4-cam open loop data acq. ~ 0650 UT. TT loop closed (1139554430 unix), DM ~5s later. DM loop opened 6:55:27 UTC (AO gui clock). Stopped recording ~0700 UT.

OL poke-map sync recording on tomography asterism # A1

Experiment #	2		Asterism #	A1
Date/time	2006-02-09, 23:05		RA (J2000)	02:19:10
UT	07:05		DEC (J2000)	+57:07:50
FSM loop	open		ZD/airm	2.25 airm
DM loop	open			

	HOWFS	MGSU 2 (Chico)	MGSU 3 (Zeppo)	MGSU 4 (Harpo)
format	32x32	64x64	64x64	64x64
program/cfg.	5/Lil-Joe-32x32			
frame rate	254.249			
gain	?	1	1	0
x (TP)				
y (TP)				
star name	SAO 23181	(BD+56 526) ? after rot.	(BD+56 525) ? after rot.	(BD+56 529) ? after rot.
magnitude	8.43 V			
exposure time	70.435 sec			
# frames	17908			

File name: /raid/Feb_09_2006/asterism_data/A1-UT0705-poke.xvf

Notes
Started 4-cam open loop data acq. ~ 0705 UT w/ 3-actuator DM poke map.

Summary for 2006-02-09
Motor actuator problems

Viswa caged

Focus problems (DM flat?)

8:10 asterism acquired in MGSU cameras, but motor stages not locked on asterism (locked down stages at zenith)

8:30 pointing back to asterism, 2 cameras off the target

Back to zenith, rotated cass to 205.32 deg to help actuators against gravity, trying to re-acquire asterism

Trying program 4 for slower frame rates - MGSU3 may have a problem (going back to program 5). Experimenting with MGSU camera gain settings. Redoing black levels after changing frame rates.

UT 06 46 - first data capture attempt, aborted (HOWFS?)

UT 0650 - second try, ~10 min, mixed bag: OL - FSM - FSM+DM - FSM only 0655 - stop at 0700 UT

Stop for tonight, lock down motor stages, halt all MGSU computers. Seeing good all night so far..