

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3318 - L2 Version 3
Chandra X-Ray Center

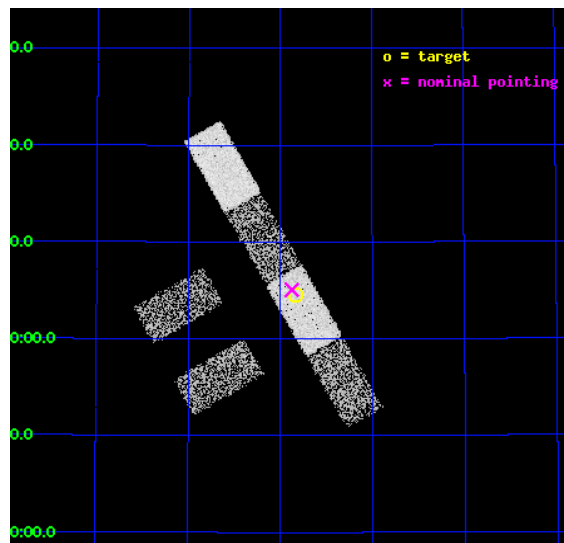
L2 Processing Date : Oct 14 2012

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1 Front

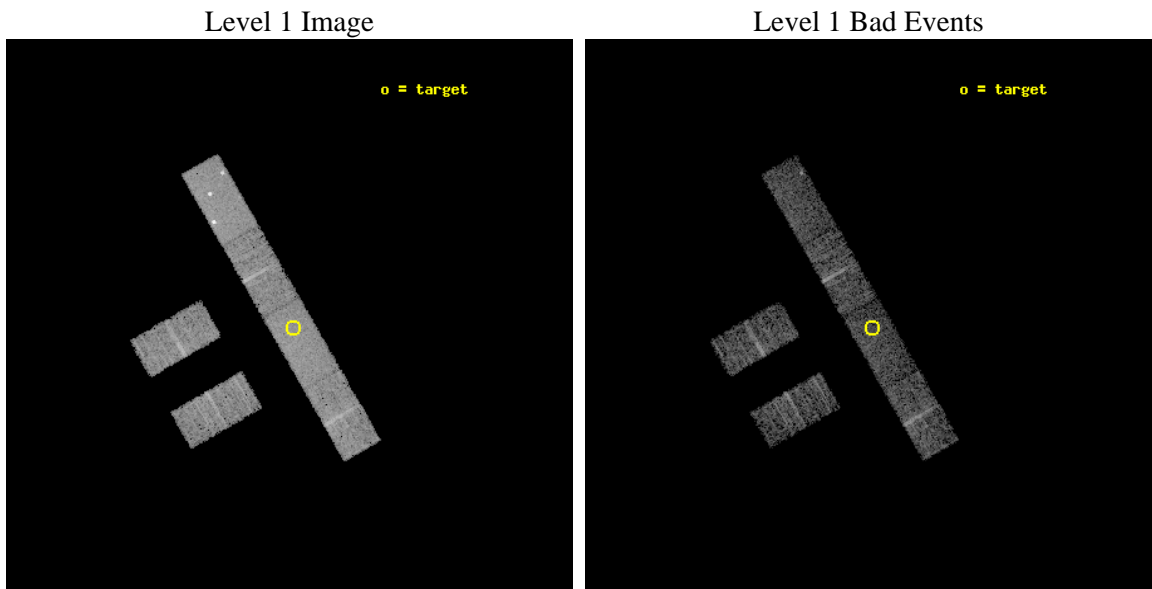
seq_num	900157	Sequence number
obs_id	3318	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0844.8+5004	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	131.20875	Observer's specified target RA [deg]
dec_targ	50.076944	Observer's specified target Dec [deg]
ra_nom	131.2184611597	Nominal RA [deg]
dec_nom	50.084426117144	Nominal Dec [deg]
roll_nom	60.078683561214	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5142.6000340581	Sum of GTIs [s]
livetime	5027.962489302	Livetime [s]
ontime2	5142.6000340581	Sum of GTIs [s]
ontime3	5142.6000340581	Sum of GTIs [s]
ontime5	5142.6000340581	Sum of GTIs [s]
ontime6	5142.6000340581	Sum of GTIs [s]
ontime7	5142.6000340581	Sum of GTIs [s]
ontime8	5142.6000340581	Sum of GTIs [s]
l2events	26490	Number of level 2 events



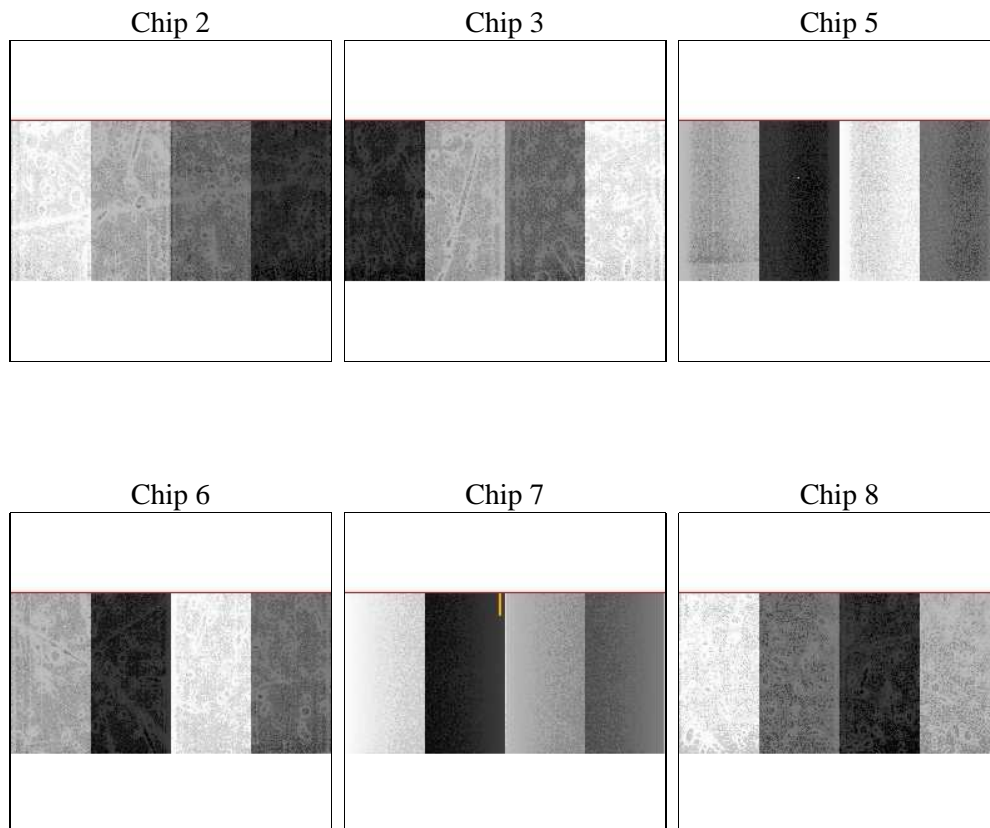
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5142.6000340581	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5142.6000340581	Sum of GTIs [s]
date	2012-10-14T18:16:48	Date and time of file creation	ontime3	5142.6000340581	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5142.6000340581	Sum of GTIs [s]
			ontime6	5142.6000340581	Sum of GTIs [s]
			ontime7	5142.6000340581	Sum of GTIs [s]
			ontime8	5142.6000340581	Sum of GTIs [s]
			l1events	140130	Number of level 1 events

2.1.4 Events

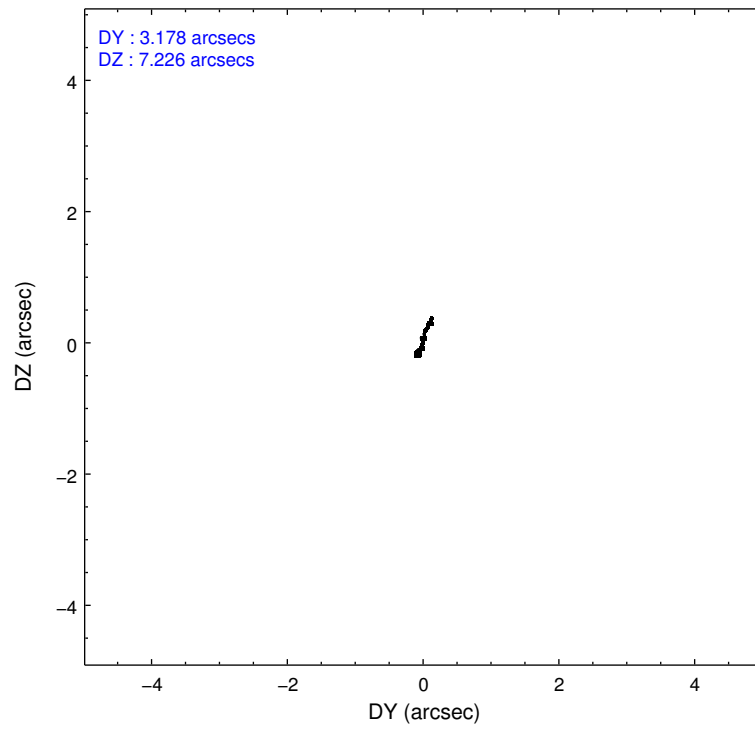
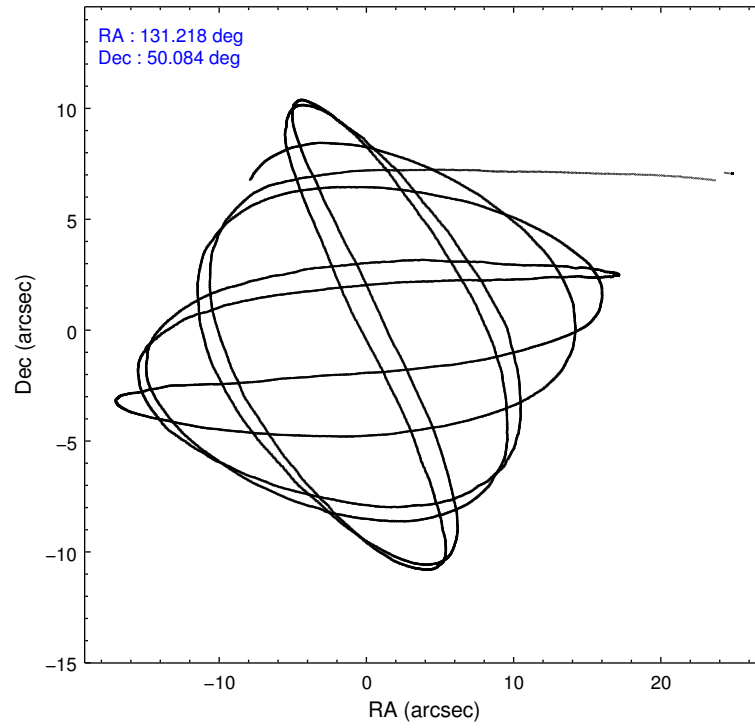
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20507	19140	31676	20633	24437	23737
rejected events	18507	17157	16177	18581	15191	19689
rejected %	90%	89%	51%	90%	62%	82%

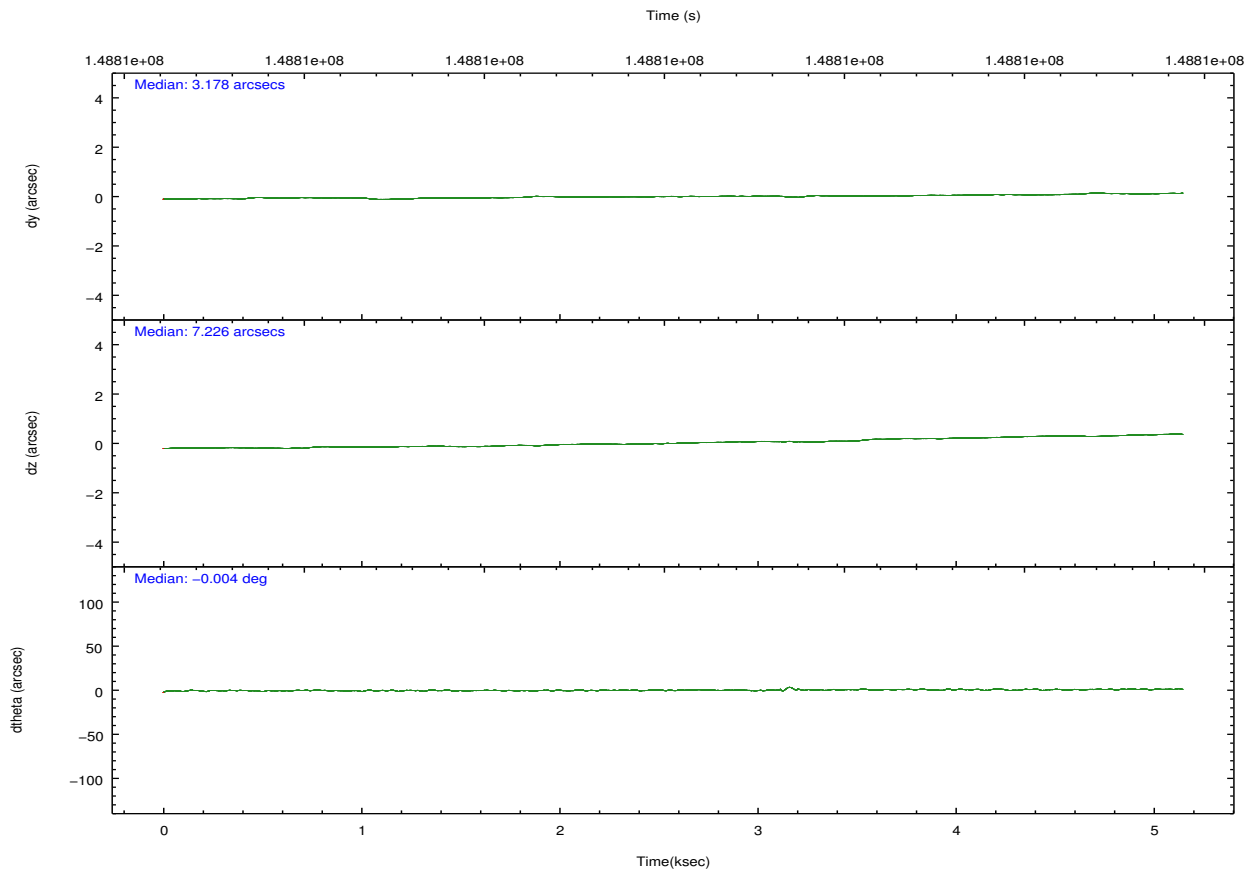
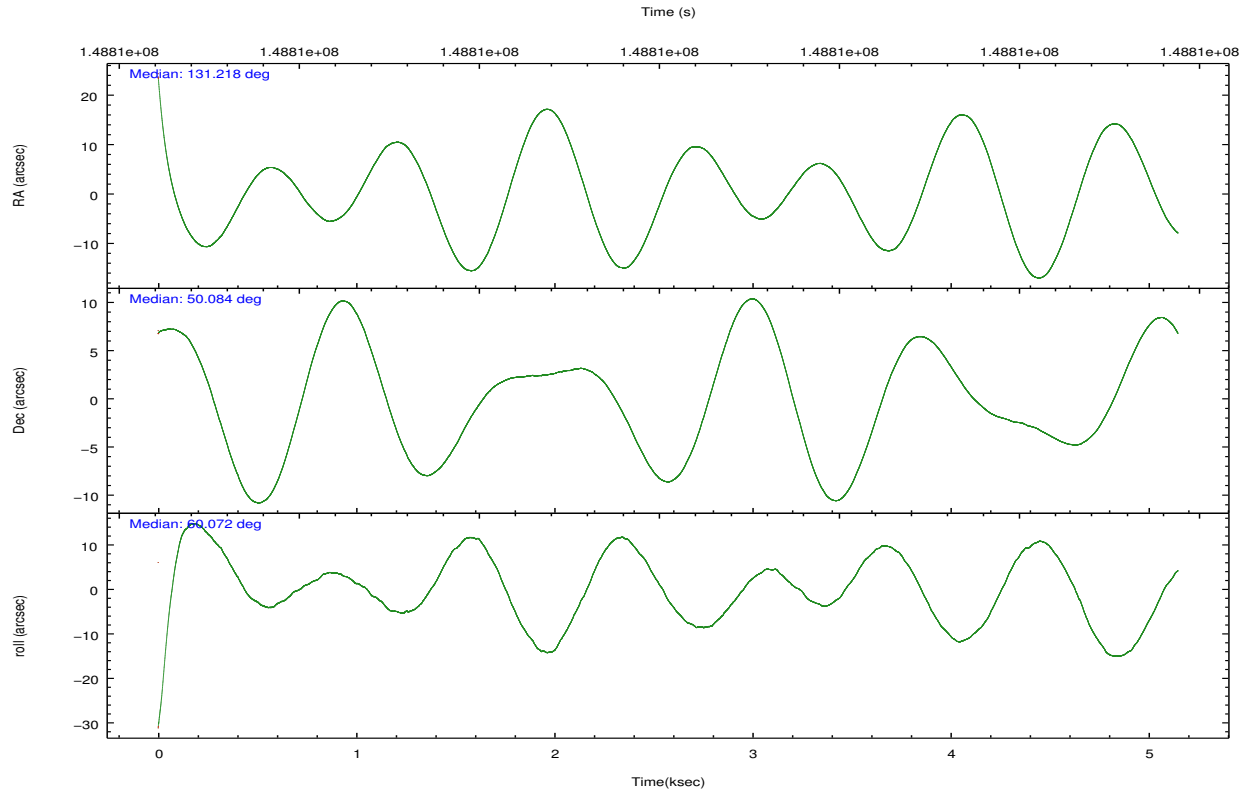
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	887	888	6069	866	1038	1444
	4%	4%	19%	4%	4%	6%
grade 1 events	5	7	230	4	26	15
	0%	0%	0%	0%	0%	0%
grade 2 events	434	383	3609	450	2010	1001
	2%	2%	11%	2%	8%	4%
grade 3 events	264	298	627	277	988	543
	1%	1%	1%	1%	4%	2%
grade 4 events	263	244	629	231	1013	484
	1%	1%	1%	1%	4%	2%
grade 5 events	708	724	2163	829	2362	1057
	3%	3%	6%	4%	9%	4%
grade 6 events	367	370	6261	441	5175	1164
	1%	1%	19%	2%	21%	4%
grade 7 events	17579	16226	12088	17535	11825	18029
	85%	84%	38%	84%	48%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	131.219071	131.2184611597007	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	50.057127	50.08442611714361	Subarray start row	257	257
[deg] Pointing Roll	59.921628	60.07868356121404	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	148807616.184000	148806515.50715			
Observation start date	2002-09-19T07:25:52	2002-09-19T07:08:35			
[s] Observation end time (MET)	148812616.184000	148814444.90748			
Observation end date	2002-09-19T08:49:12	2002-09-19T09:20:44			
Read mode	TIMED	TIMED			

2.3 Aspect



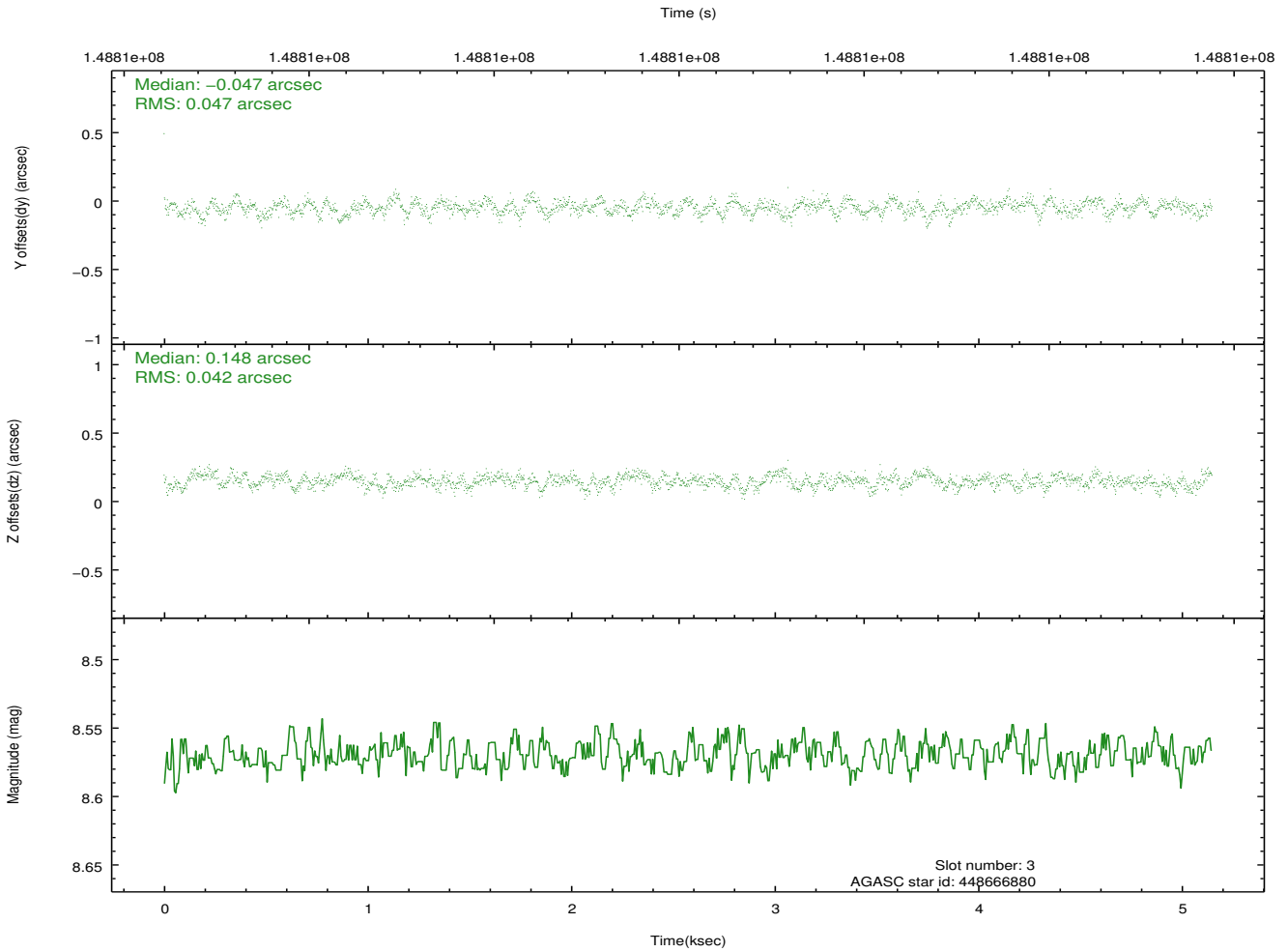
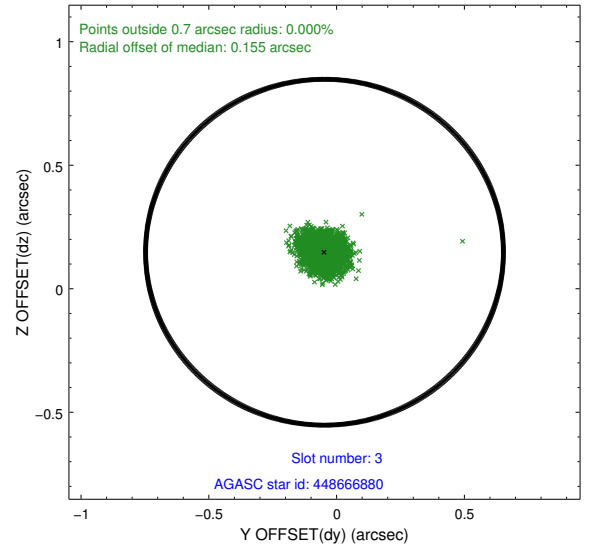
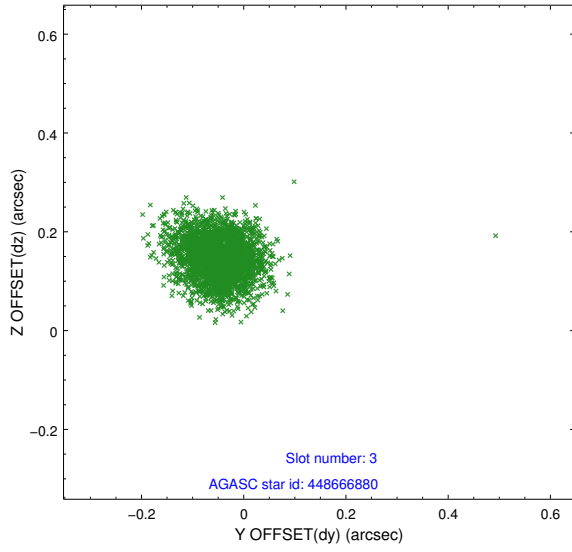


Slot Statistics

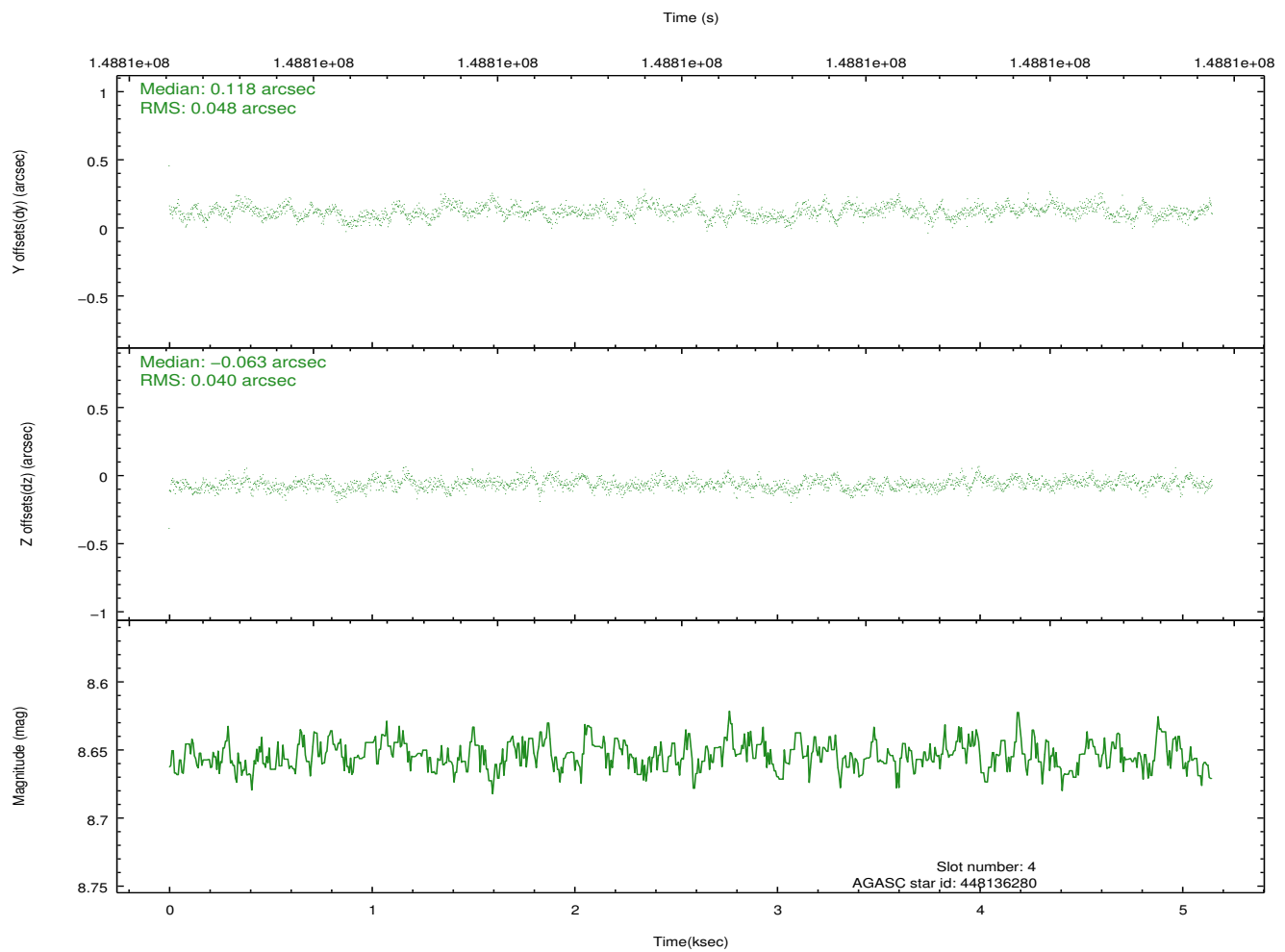
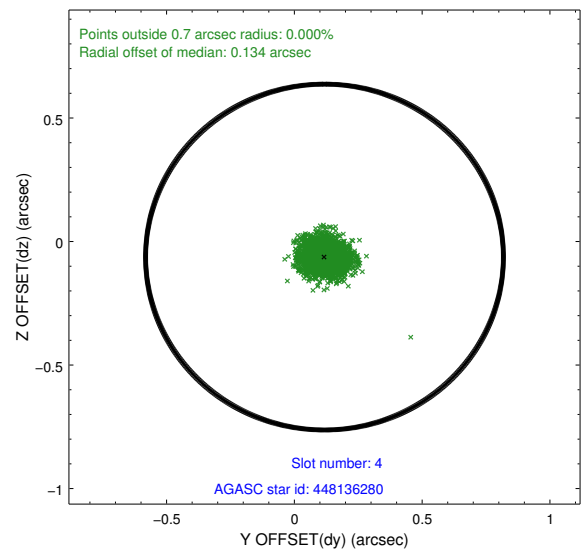
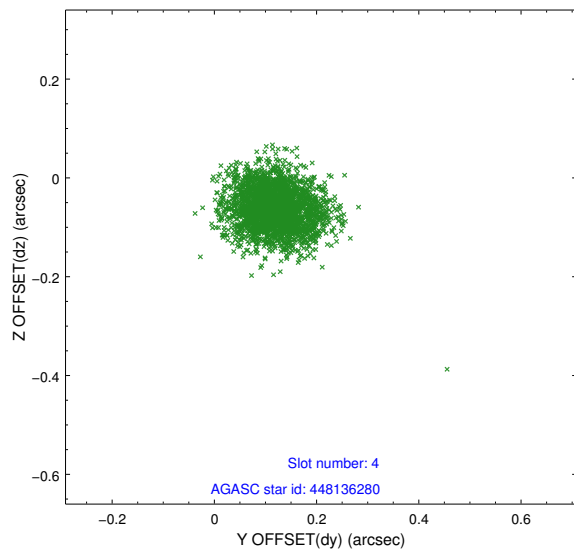
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1256	-0.014	0.001	0.008	0.013	0.000000	0.000000	-755.84	-1728.43
1	FID	ACIS-S-4	7.20	1256	-0.002	0.007	0.005	0.011	0.000000	0.000000	2156.92	178.84
2	FID	ACIS-S-5	7.24	1256	-0.015	0.001	0.008	0.013	0.000000	0.000000	-1807.17	173.85
3	GUIDE	448666880	8.57	2512	-0.047	0.148	0.066	0.106	131.999230	50.277375	1595.11	-1150.77
4	GUIDE	448136280	8.65	2511	0.118	-0.063	0.066	0.107	130.767172	49.987423	-736.99	780.25
5	GUIDE	448537656	9.01	2509	-0.033	-0.333	0.092	0.143	130.570587	50.654135	1124.30	2361.31
6	GUIDE	448674328	9.09	2511	0.099	0.083	0.075	0.121	131.586128	50.022930	322.58	-794.22
7	GUIDE	448662016	9.52	2511	-0.130	0.161	0.084	0.138	132.296295	50.214204	1750.03	-1854.94

2.4 Star Slots

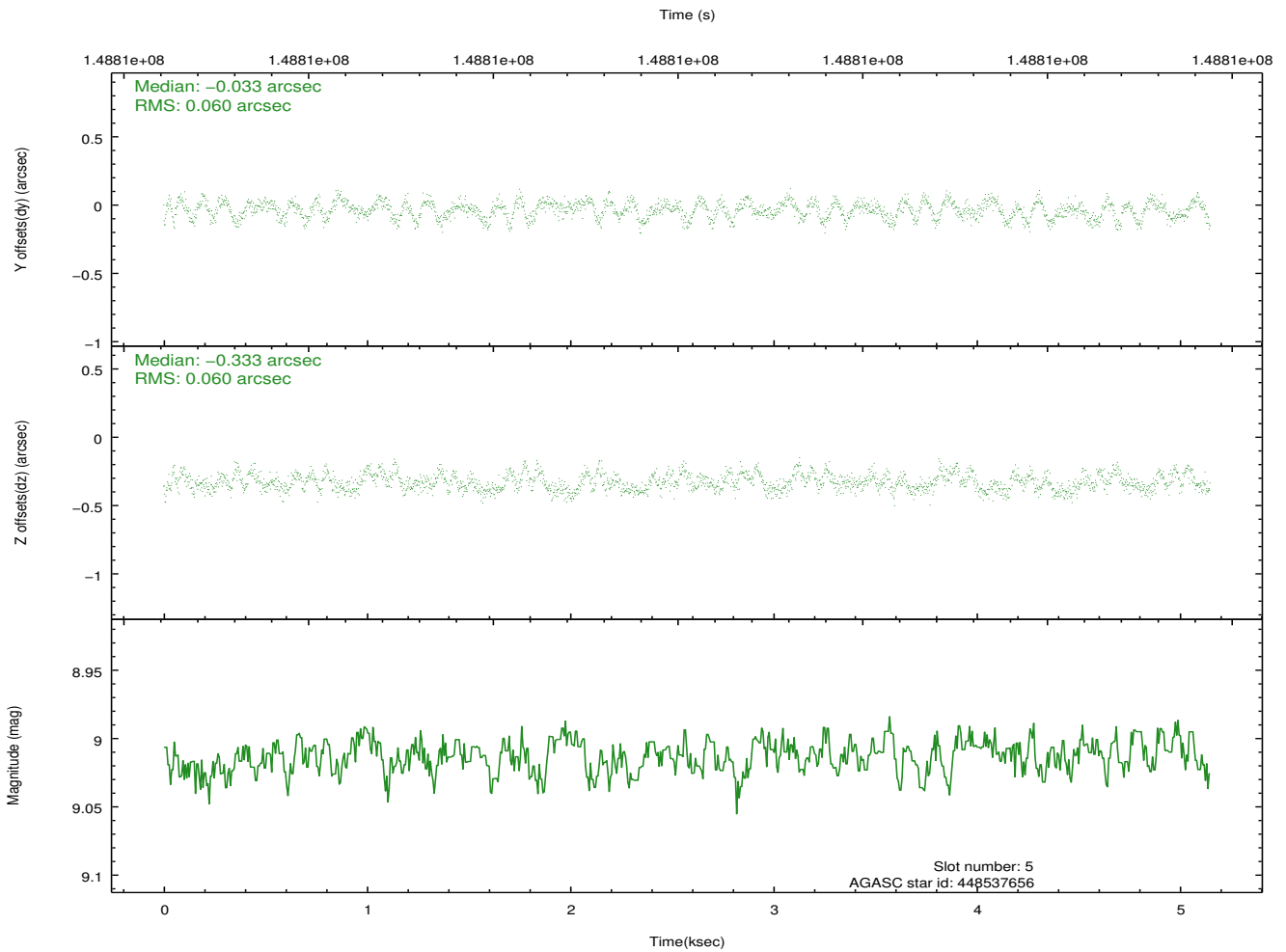
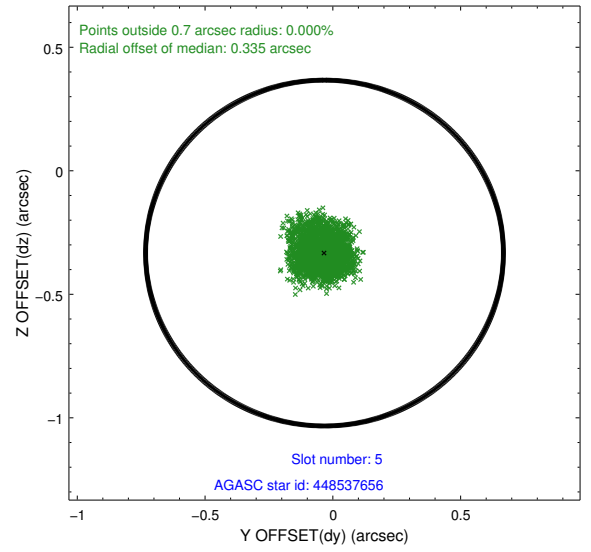
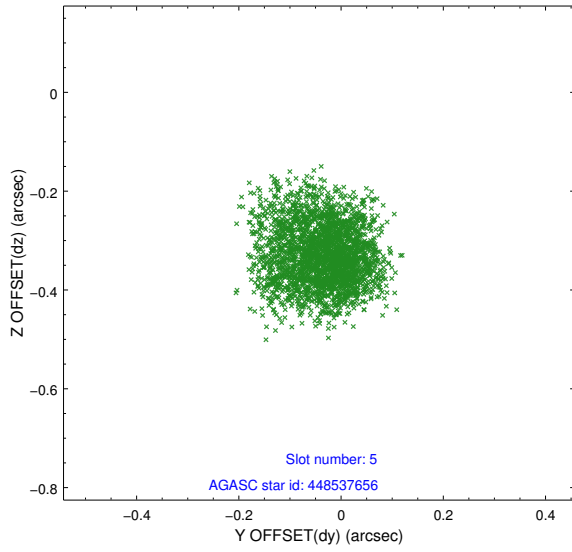
2.4.1 Slot 3



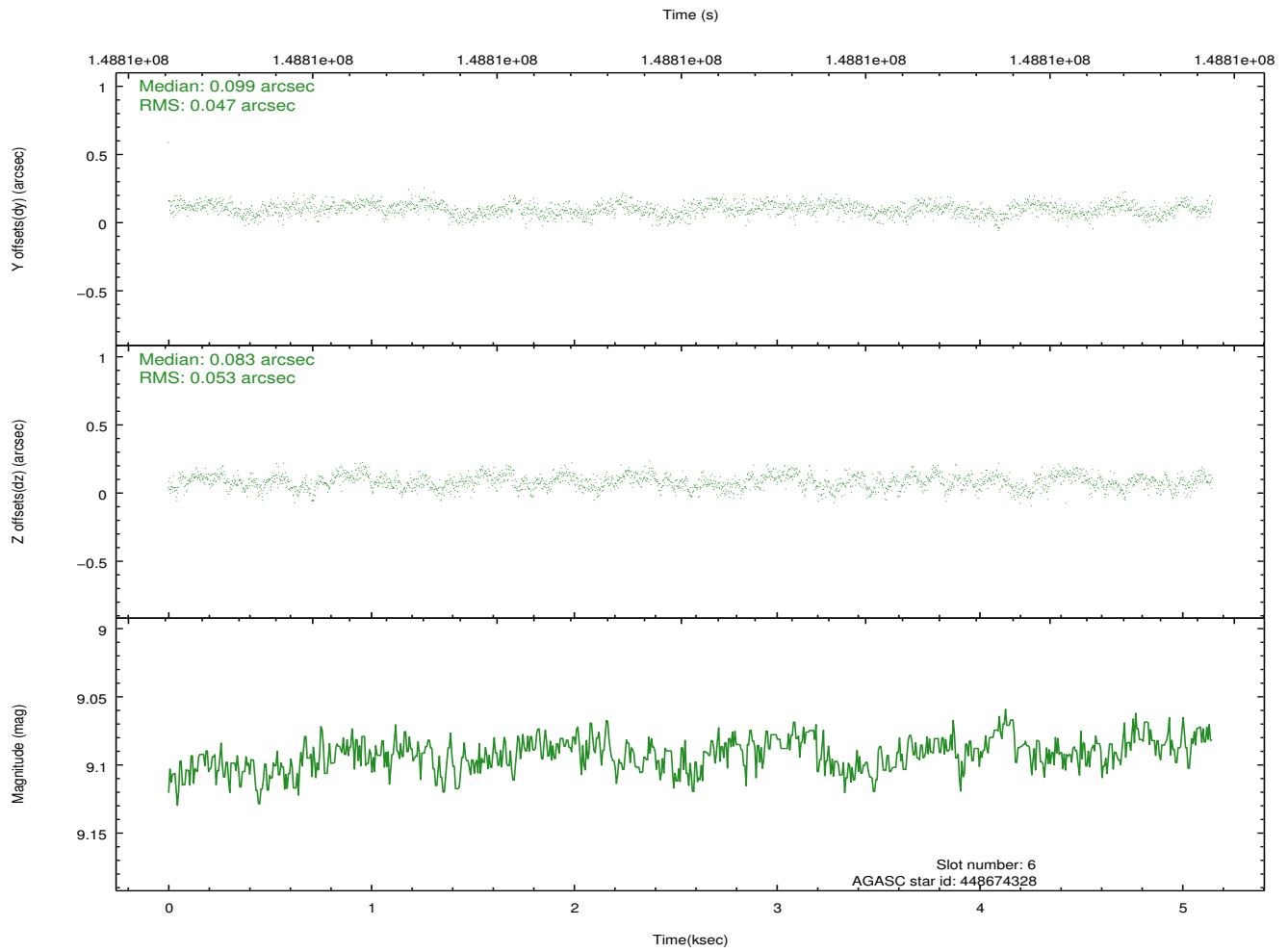
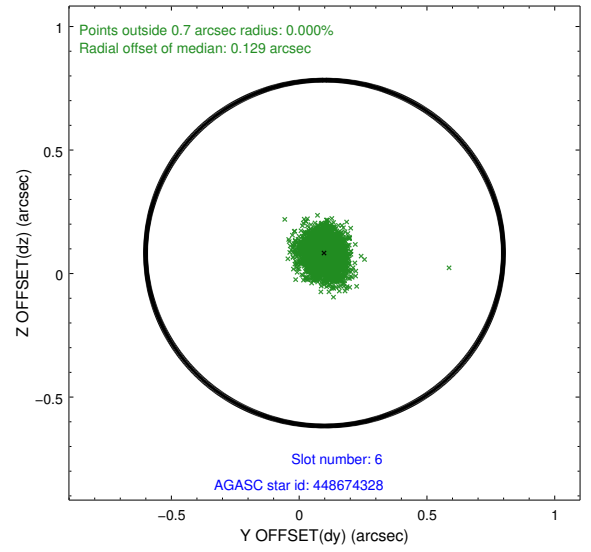
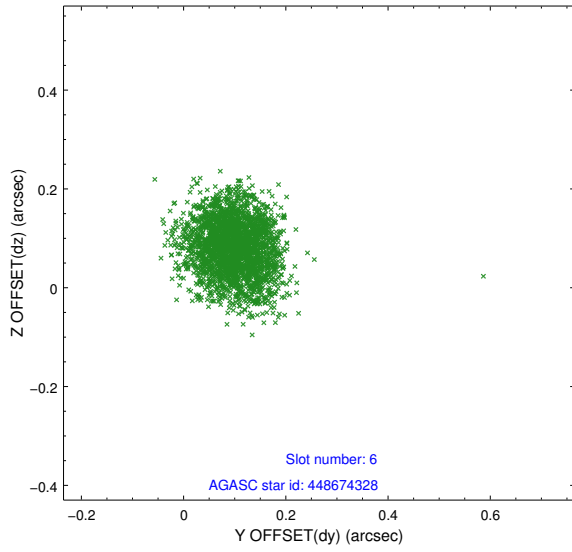
2.4.2 Slot 4



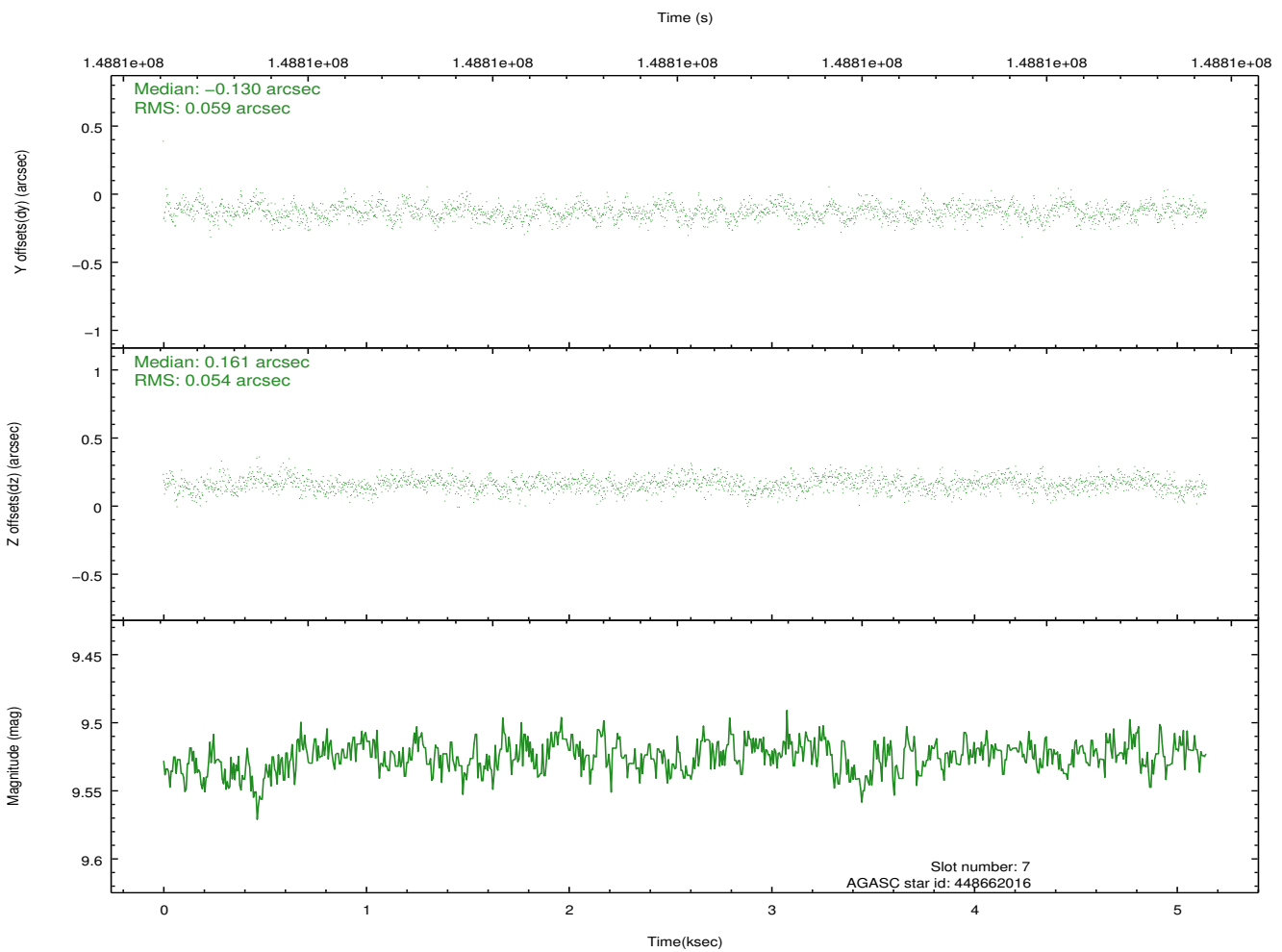
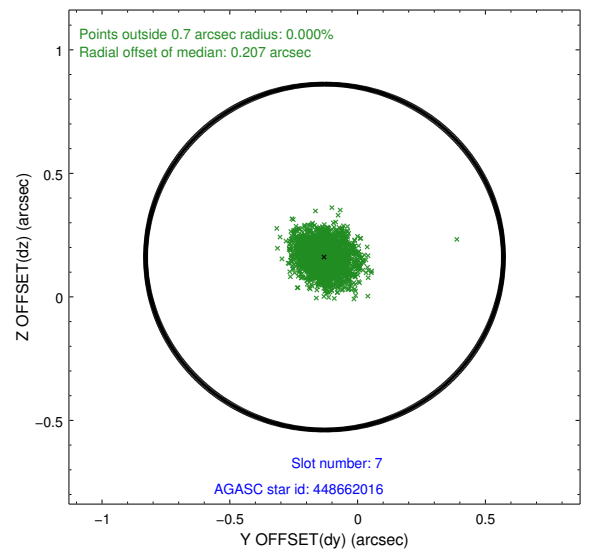
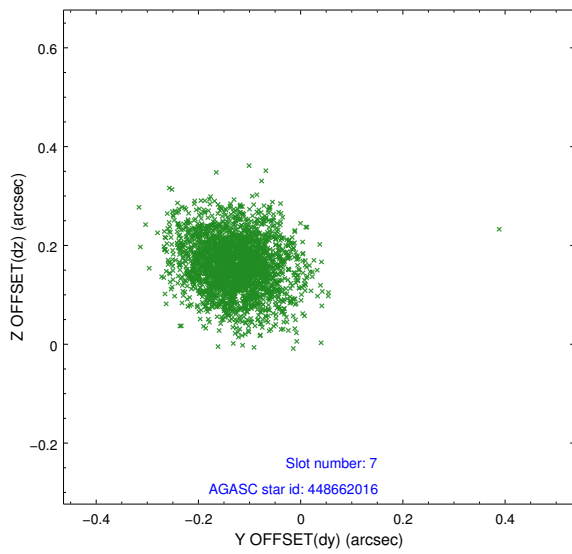
2.4.3 Slot 5



2.4.4 Slot 6

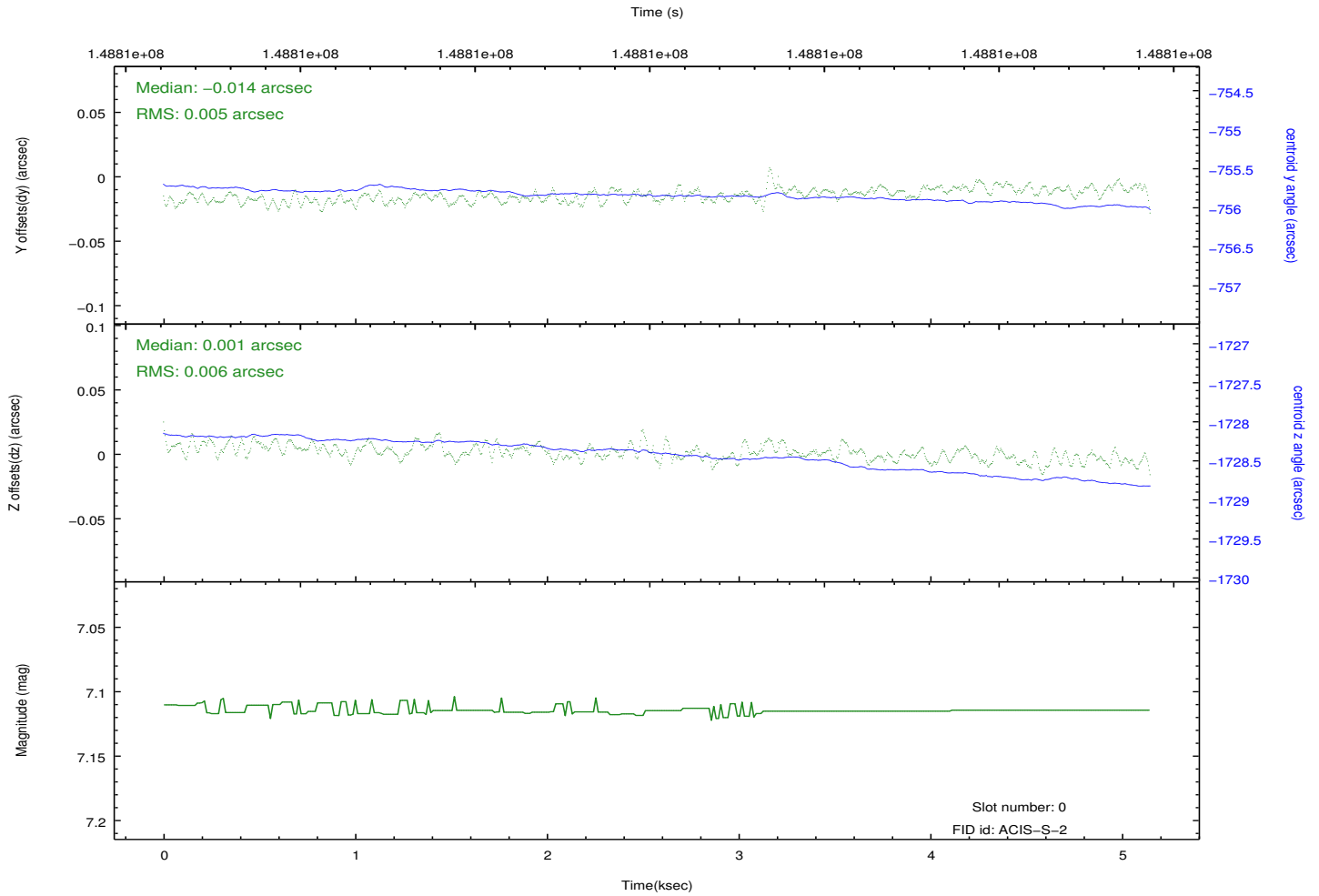
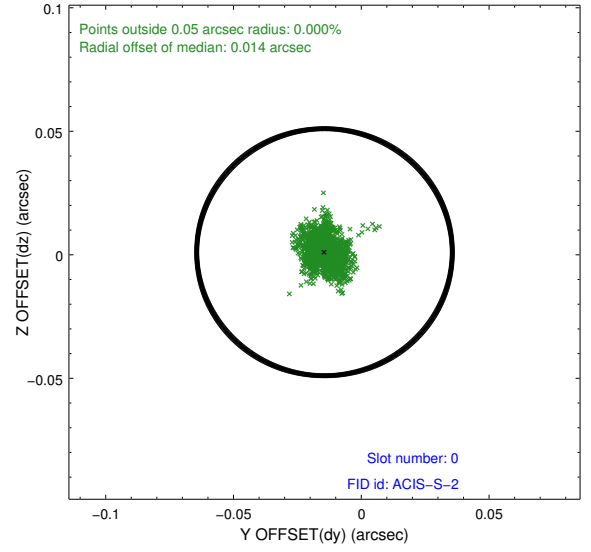
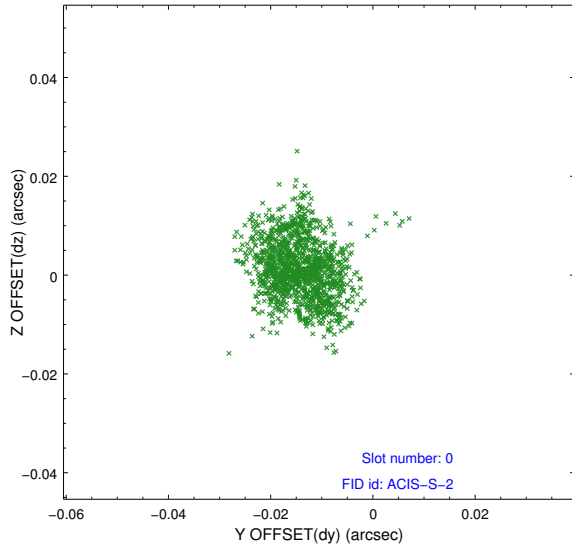


2.4.5 Slot 7

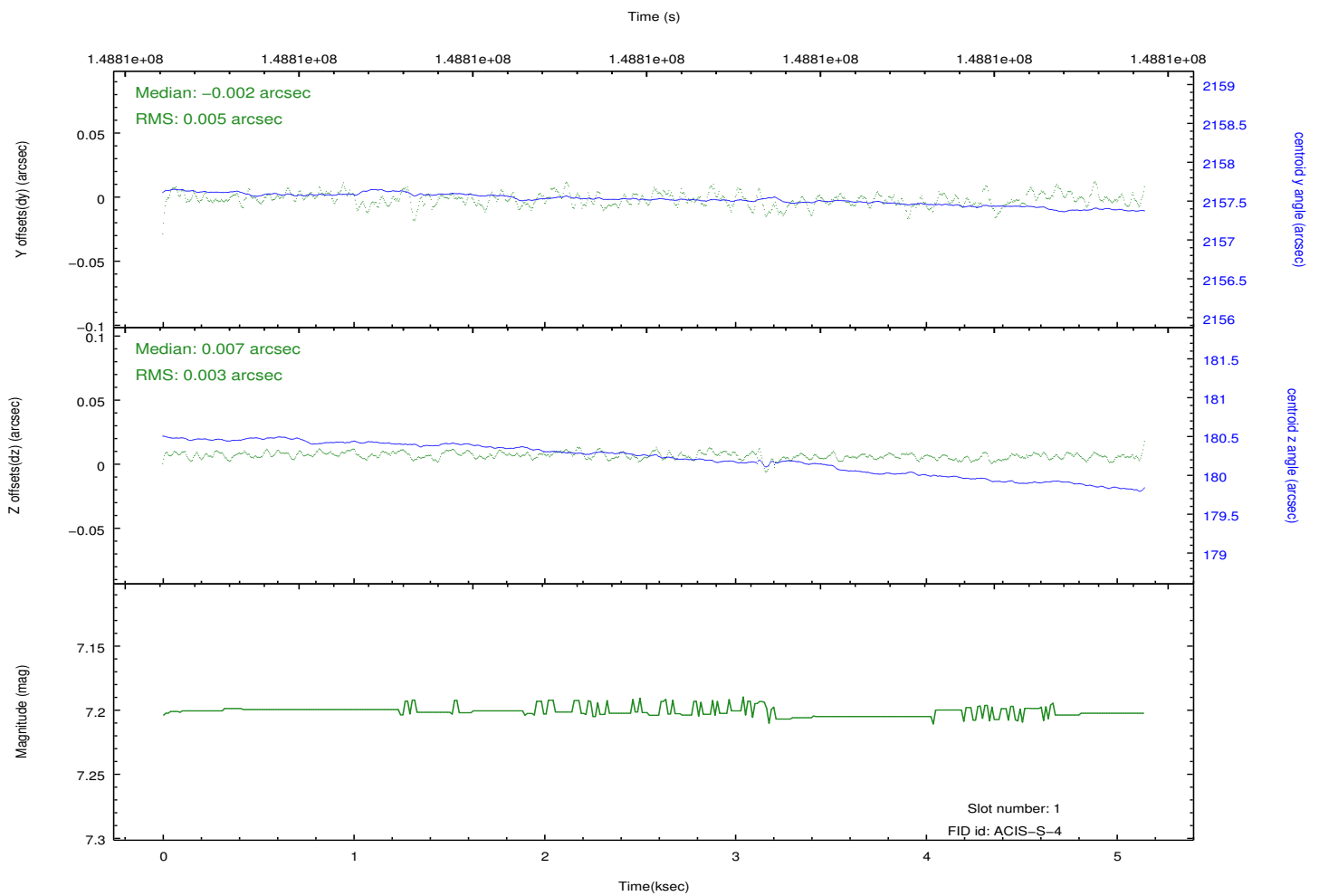
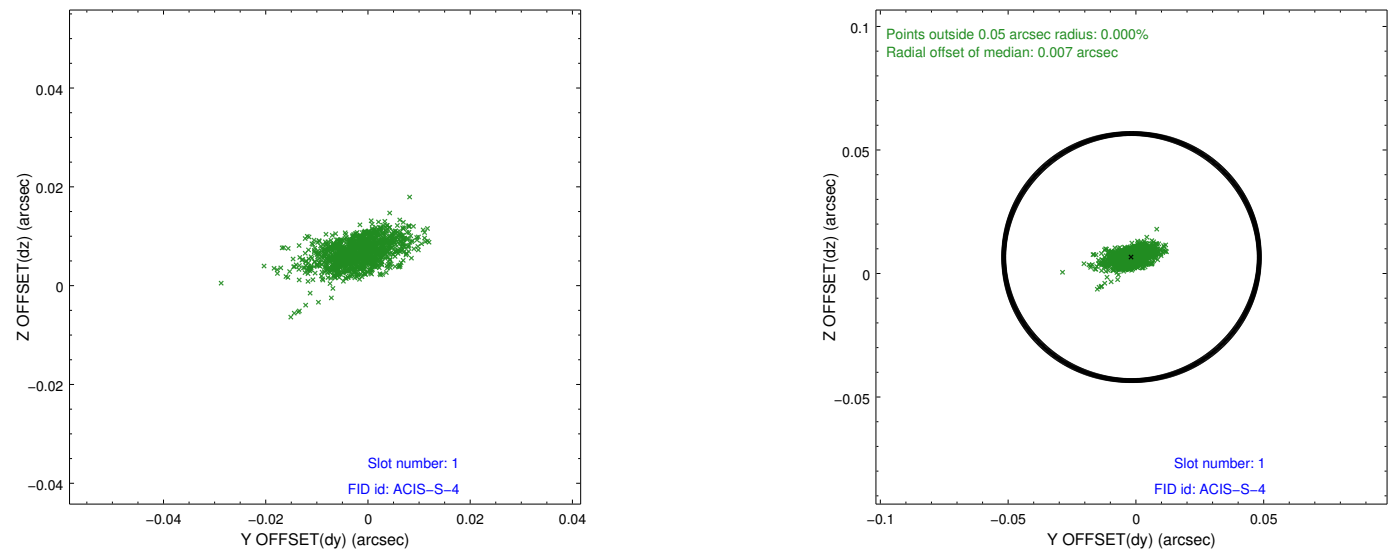


2.5 FID Slots

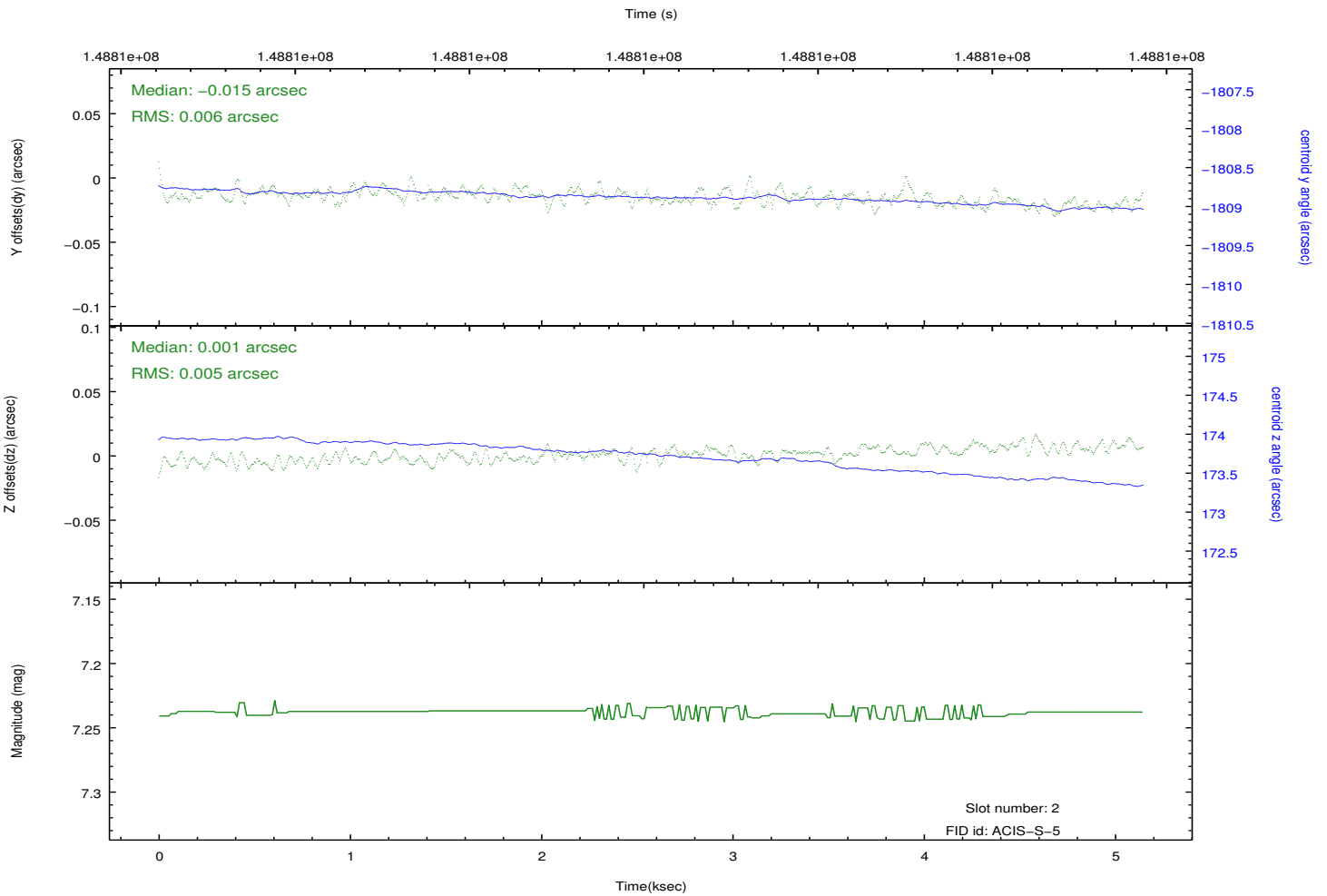
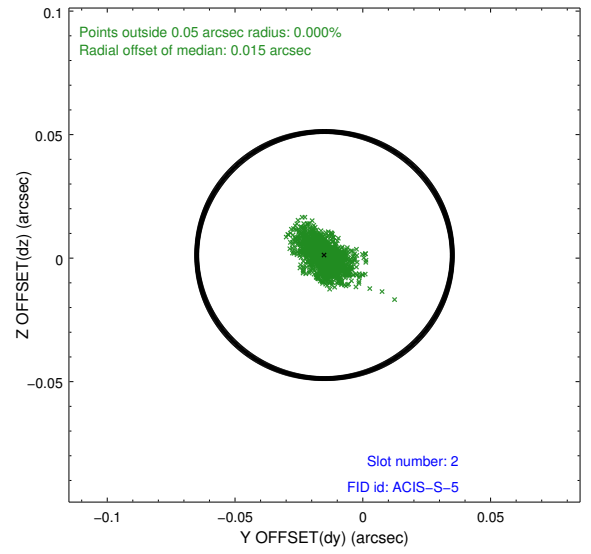
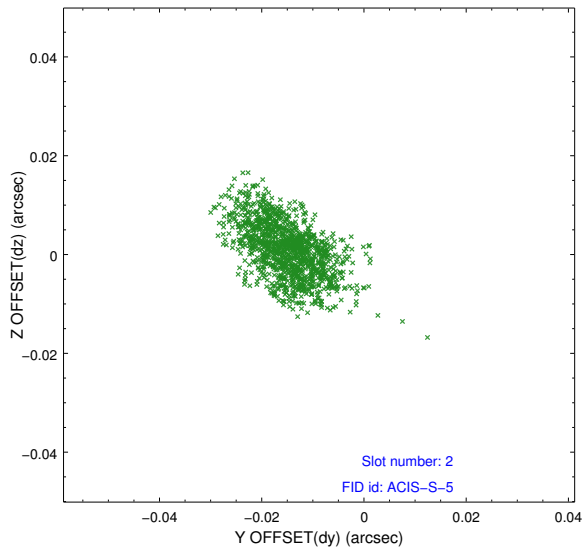
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.142

A.2 Comments

Joint proposal with NOAO.