

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 8214 - L2 Version 2
Chandra X-Ray Center

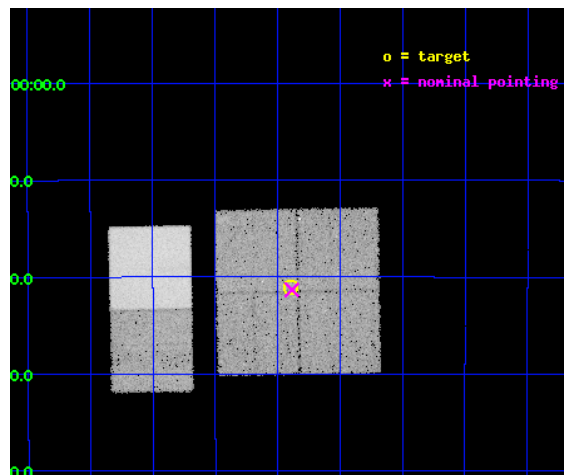
L2 Processing Date : Apr 10 2012

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1 Front

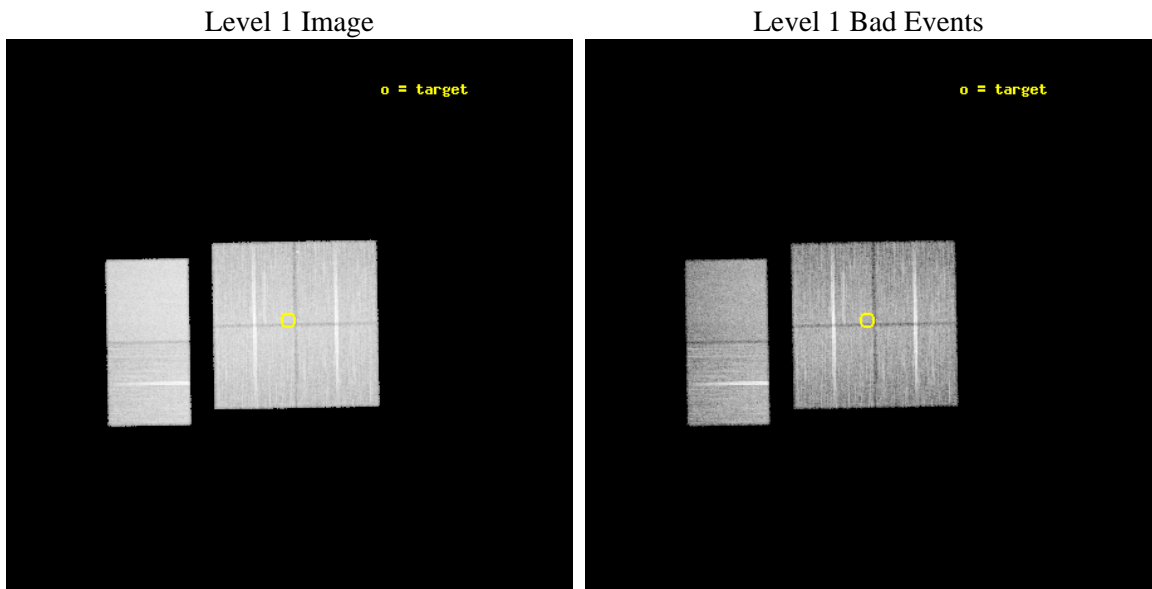
seq_num	900457	Sequence number
obs_id	8214	Observation id
title	A Legacy Study of Stellar Life Cycles at the Galactic Center	Propo
observer	Dr. Michael Muno	Principal investigator
object	Deep GCS 10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	265.84875	Observer's specified target RA [deg]
dec_targ	-29.351389	Observer's specified target Dec [deg]
ra_nom	265.84656220409	Nominal RA [deg]
dec_nom	-29.355626008902	Nominal Dec [deg]
roll_nom	268.97492700423	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17951.999933183	Sum of GTIs [s]
livetime	17724.680900633	Livetime [s]
ontime0	17951.999933183	Sum of GTIs [s]
ontime1	17951.999933183	Sum of GTIs [s]
ontime2	17951.999933183	Sum of GTIs [s]
ontime3	17951.999933183	Sum of GTIs [s]
ontime6	17951.999933183	Sum of GTIs [s]
ontime7	17951.999933183	Sum of GTIs [s]
l2events	189760	Number of level 2 events



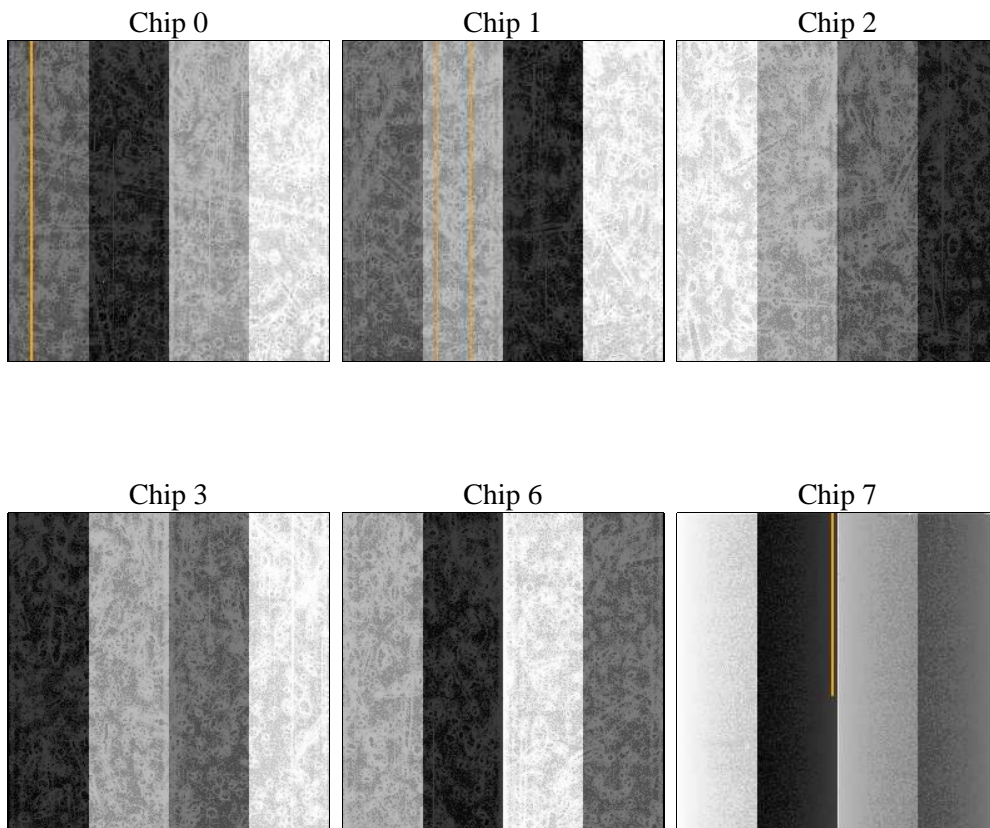
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	17951.999933183	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	17951.999933183	Sum of GTIs [s]
date	2012-04-10T09:25:07	Date and time of file creation	ontime1	17951.999933183	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	17951.999933183	Sum of GTIs [s]
			ontime3	17951.999933183	Sum of GTIs [s]
			ontime6	17951.999933183	Sum of GTIs [s]
			ontime7	17951.999933183	Sum of GTIs [s]
			l1events	1029724	Number of level 1 events

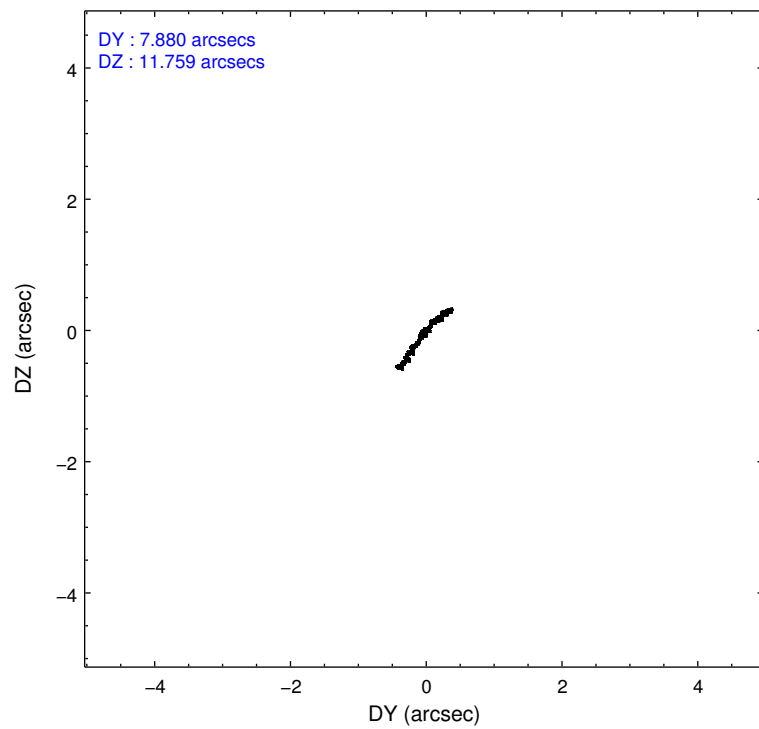
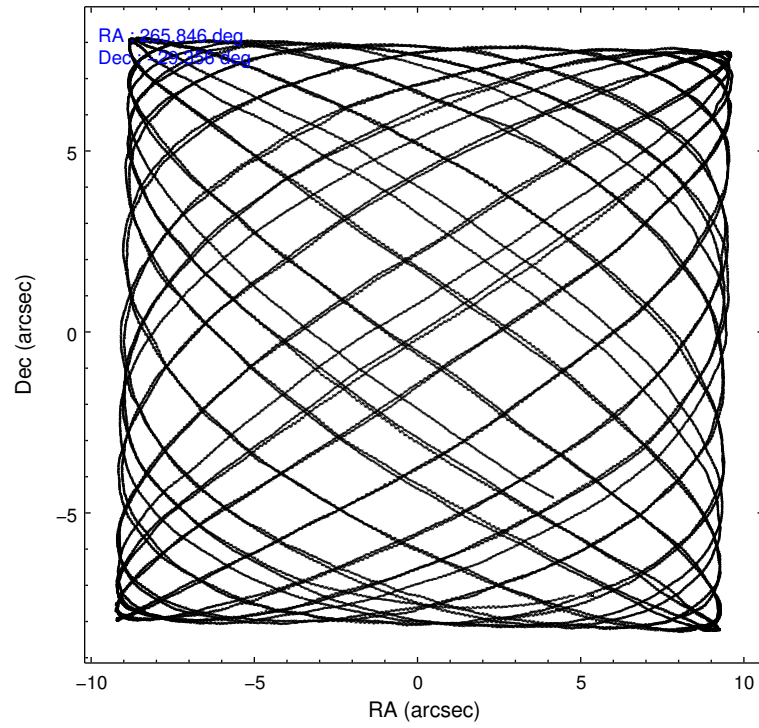
2.1.4 Events

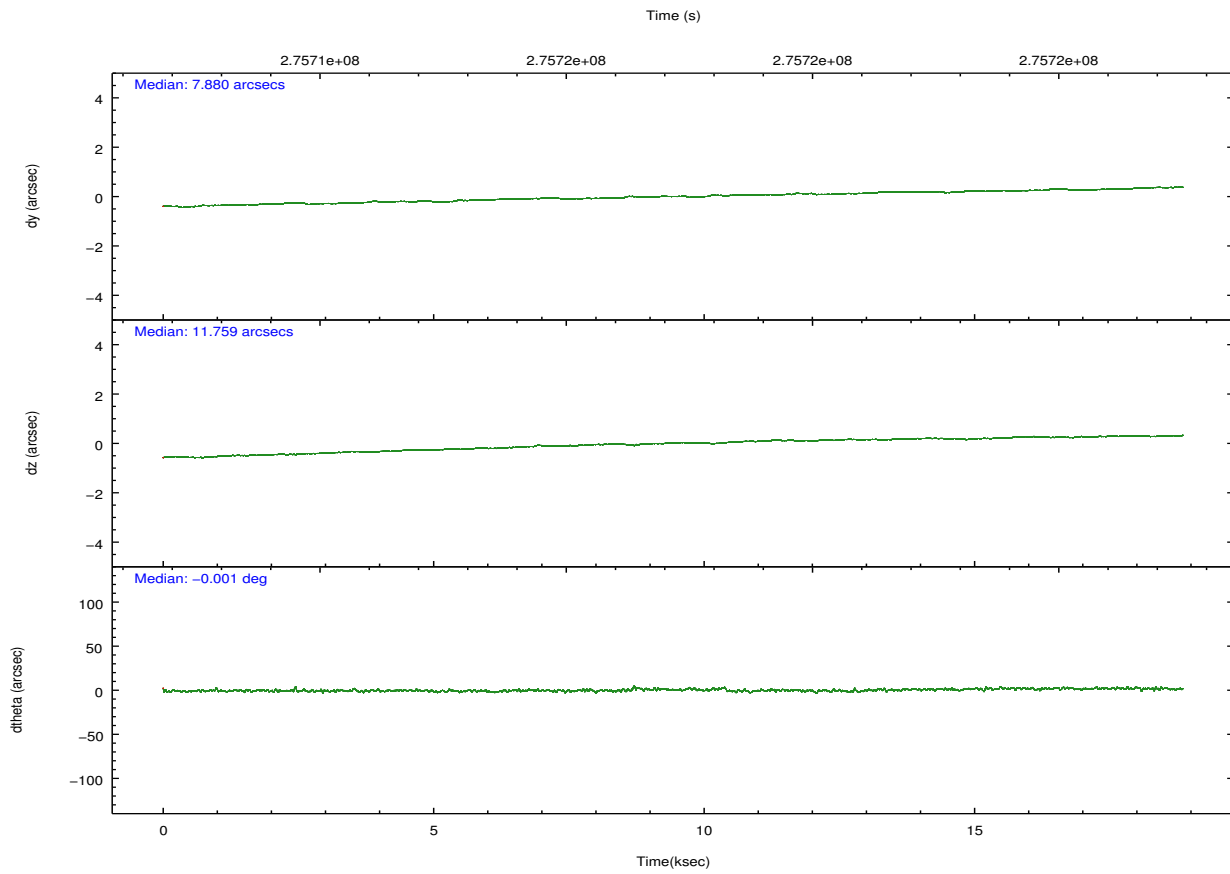
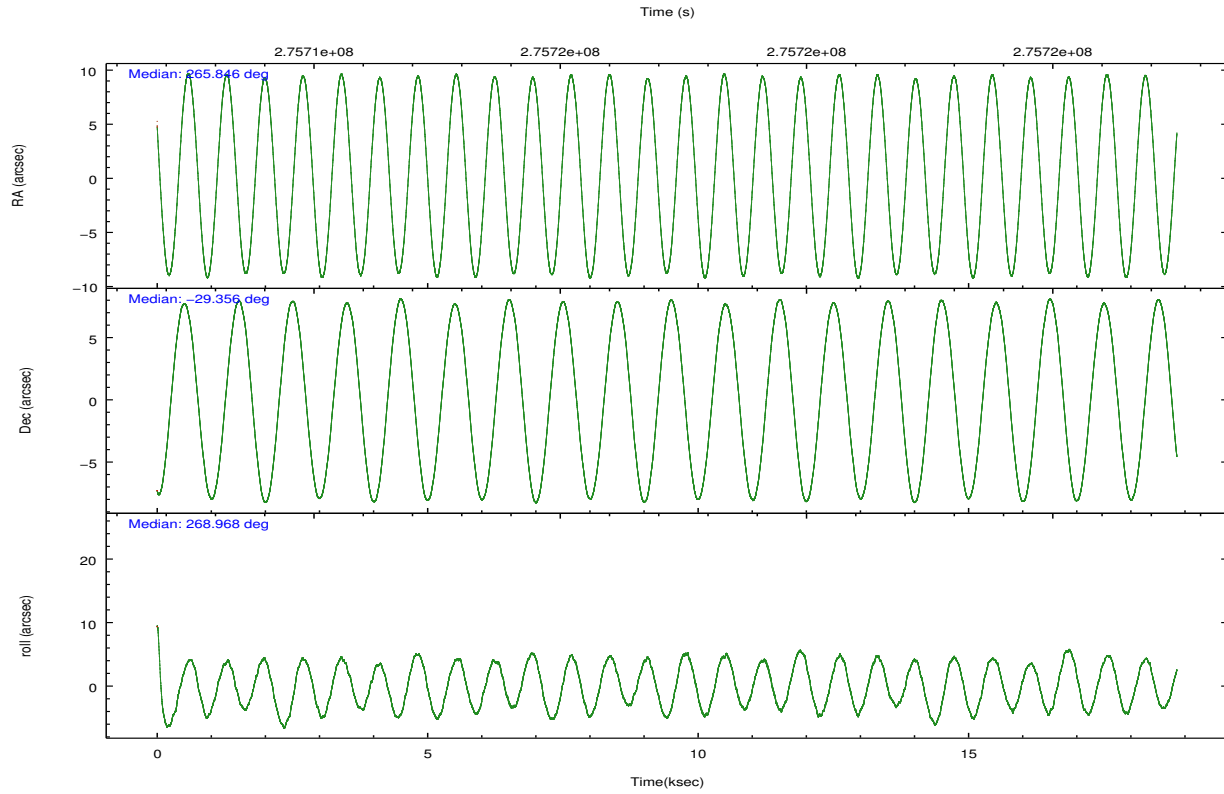
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	152684	152060	166139	161523	172888	224430	grade 0 events	9460	9193	10457	10134	10086	8703
rejected events	131203	129797	144302	139750	149577	128662		6%	6%	6%	6%	5%	3%
rejected %	85%	85%	86%	86%	86%	57%	grade 1 events	105	83	143	120	105	224
								0%	0%	0%	0%	0%	0%
							grade 2 events	4631	4936	4365	4133	4940	19475
								3%	3%	2%	2%	2%	8%
							grade 3 events	1901	2004	1905	1994	1992	8296
								1%	1%	1%	1%	1%	3%
							grade 4 events	1883	2072	1888	1970	2008	8291
								1%	1%	1%	1%	1%	3%
							grade 5 events	6437	7104	6198	7456	7665	21172
								4%	4%	3%	4%	4%	9%
							grade 6 events	3616	4063	3228	3546	4295	51031
								2%	2%	1%	2%	2%	22%
							grade 7 events	124651	122605	137955	132170	141797	107238
								81%	80%	83%	81%	82%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	265.831263	265.846562204091	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.331717	-29.35562600890236	Alternating exposures requested	N	N
[deg] Pointing Roll	268.758744	268.9749270042325	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	275708596.184000	275707302.15113			
Observation start date	2006-09-27T01:42:11	2006-09-27T01:21:42			
[s] Observation end time (MET)	275726596.184000	275727045.70206			
Observation end date	2006-09-27T06:42:11	2006-09-27T06:50:45			
Read mode	TIMED	TIMED			

2.3 Aspect



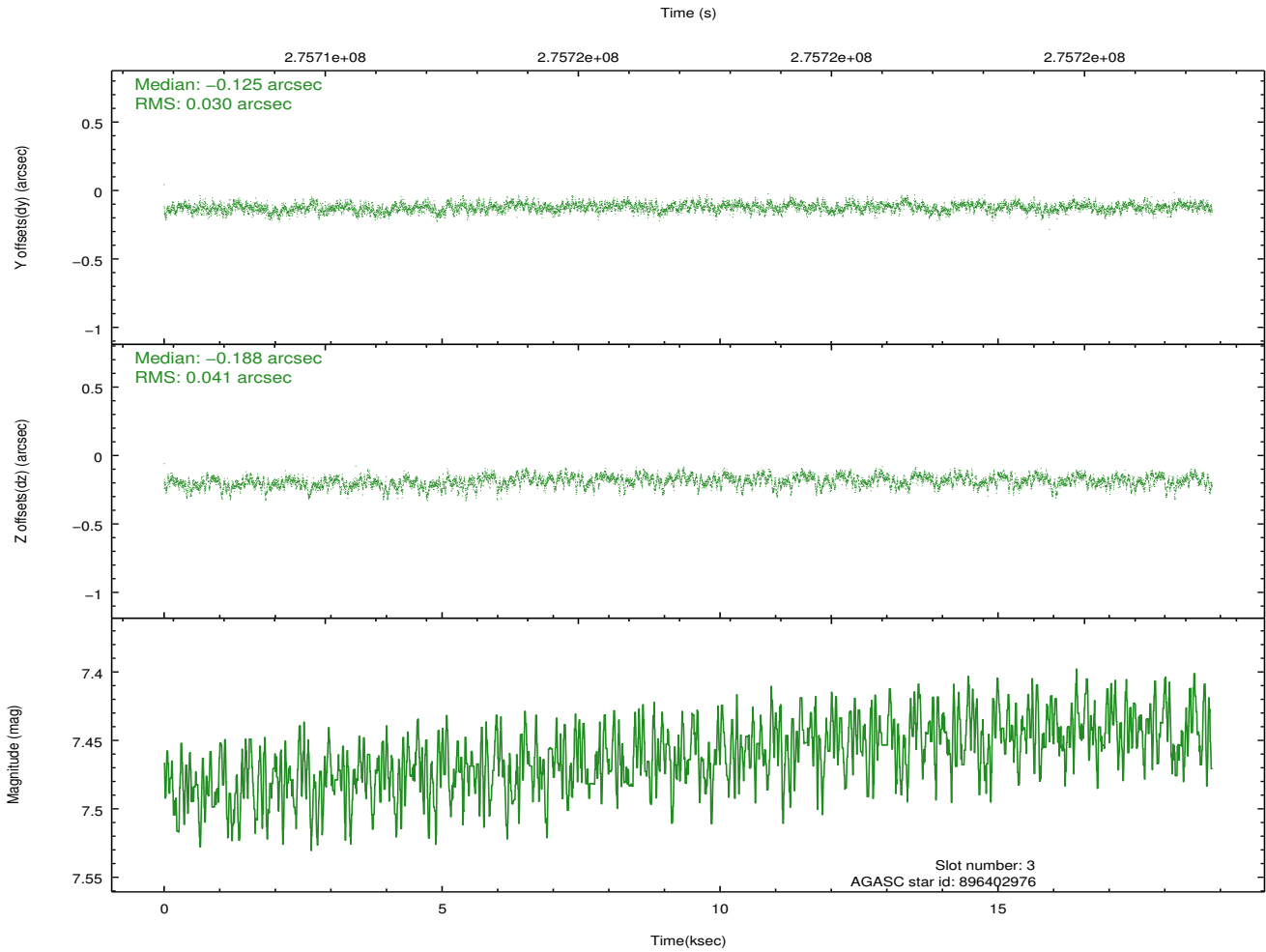
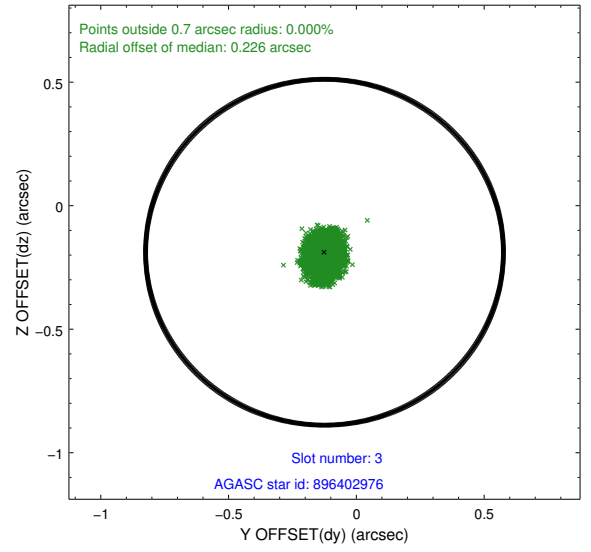
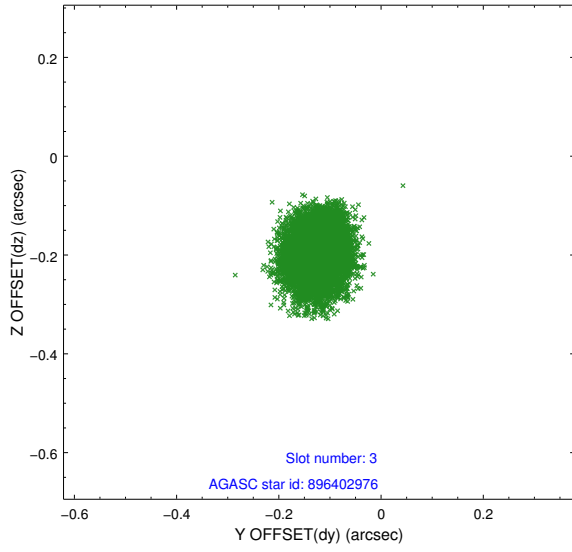


Slot Statistics

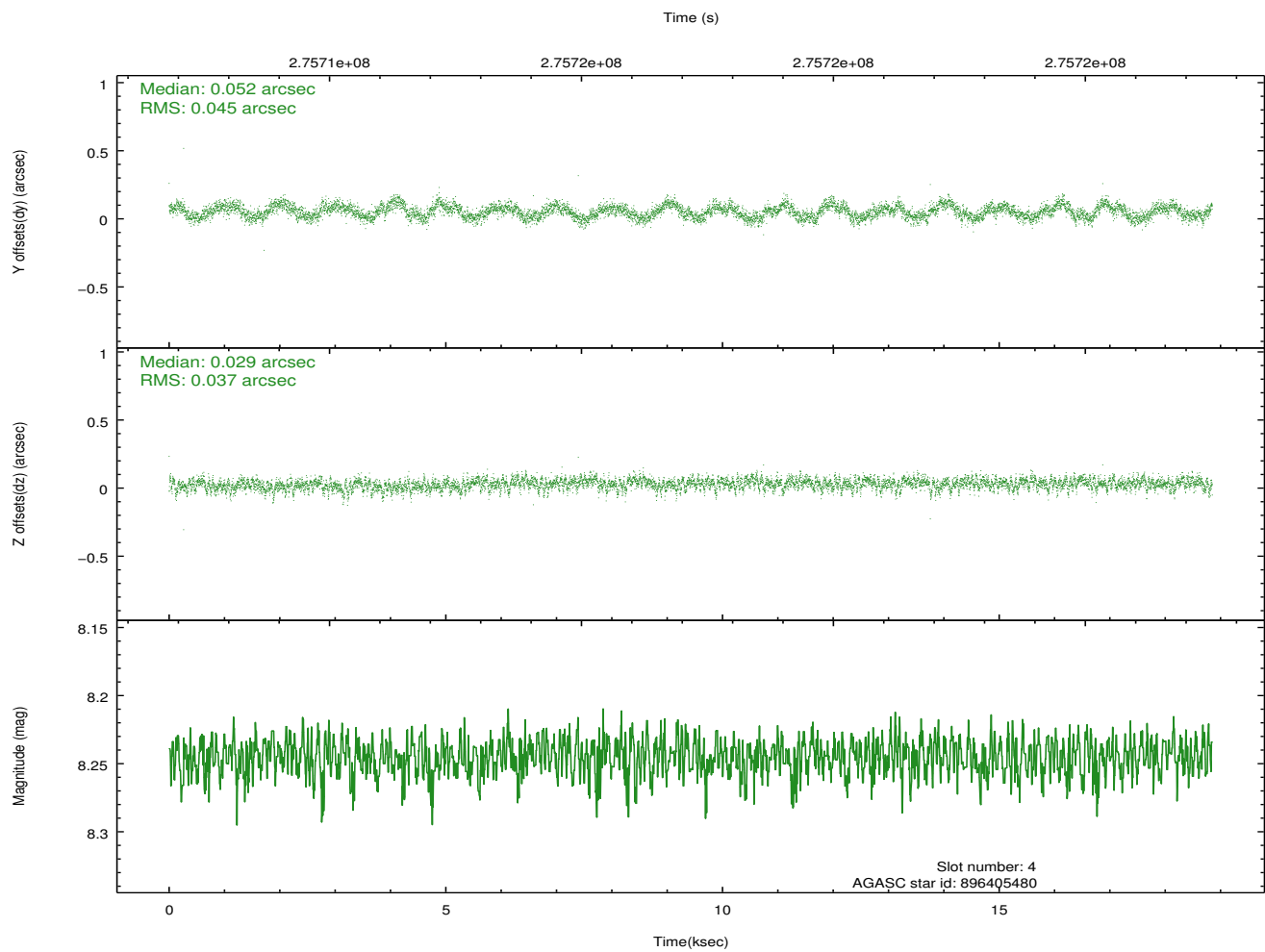
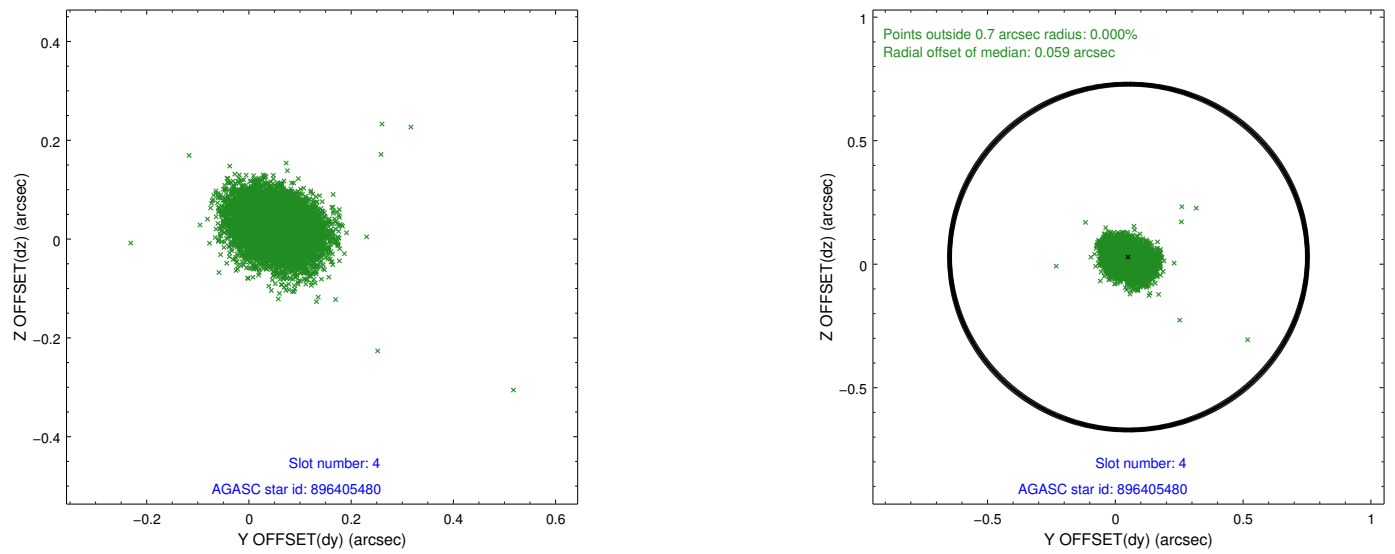
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4599	-0.048	-0.009	0.011	0.019	0.000000	0.000000	931.73	-835.24
1	FID	ACIS-I-2	7.14	4597	-0.164	-0.064	0.011	0.020	0.000000	0.000000	-762.36	-841.82
2	FID	ACIS-I-4	7.17	4599	0.115	0.139	0.010	0.017	0.000000	0.000000	2151.70	1064.59
3	GUIDE	896402976	7.46	9196	-0.125	-0.188	0.053	0.089	265.099474	-28.923203	-1412.82	-2337.14
4	GUIDE	896405480	8.24	9196	0.052	0.029	0.062	0.099	265.220460	-29.599691	1011.31	-1890.33
5	GUIDE	896532952	9.03	9136	-0.151	0.126	0.075	0.123	266.383644	-28.787617	-1991.92	1700.13
6	GUIDE	896538920	8.90	9193	0.075	-0.060	0.076	0.128	266.278728	-29.143592	-704.94	1392.30
7	GUIDE	896541168	8.15	9194	0.150	0.100	0.055	0.088	266.319970	-29.850801	1838.69	1566.80

2.4 Star Slots

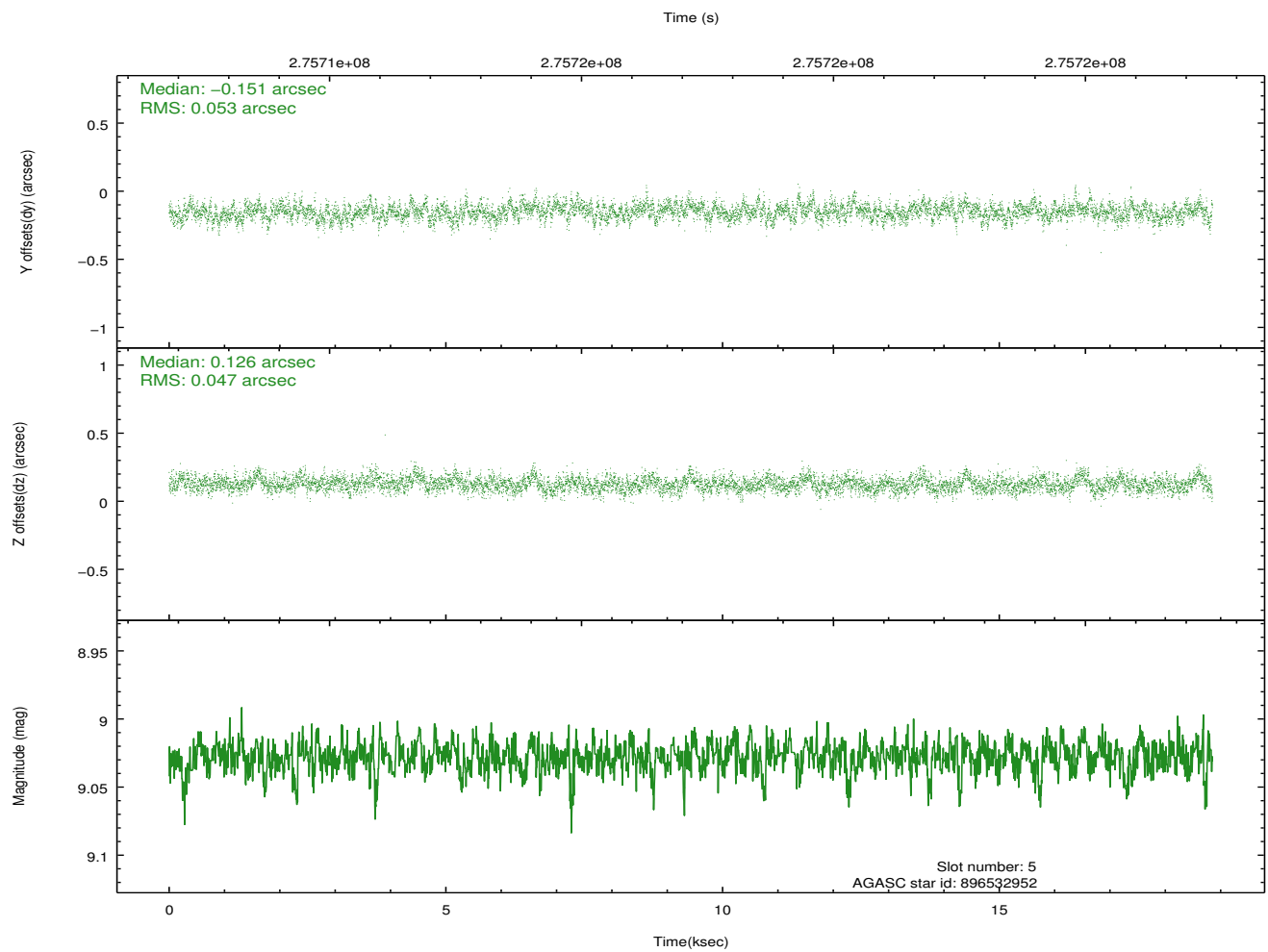
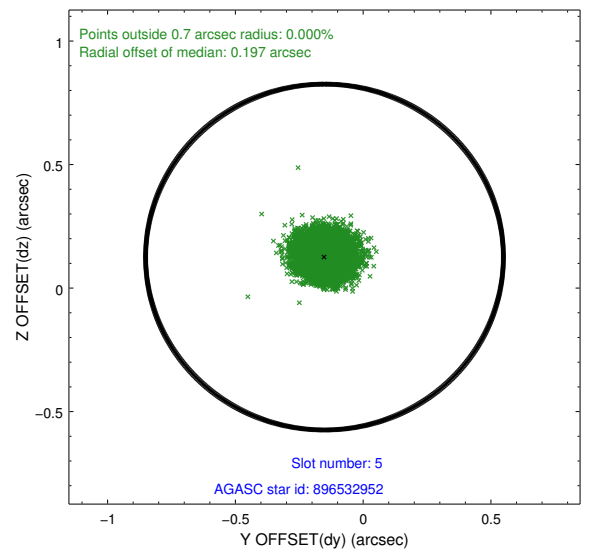
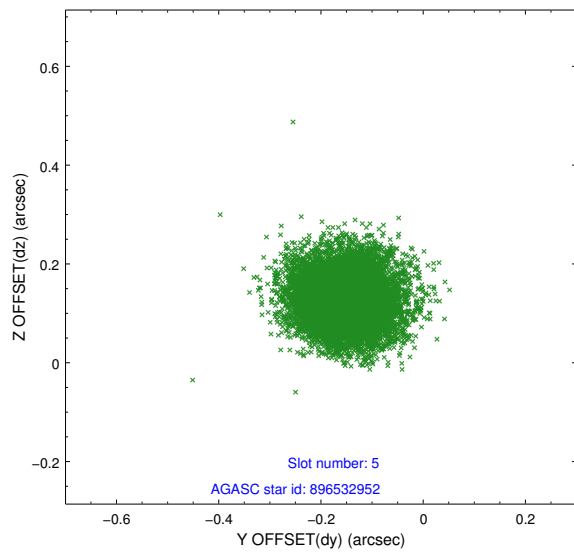
2.4.1 Slot 3



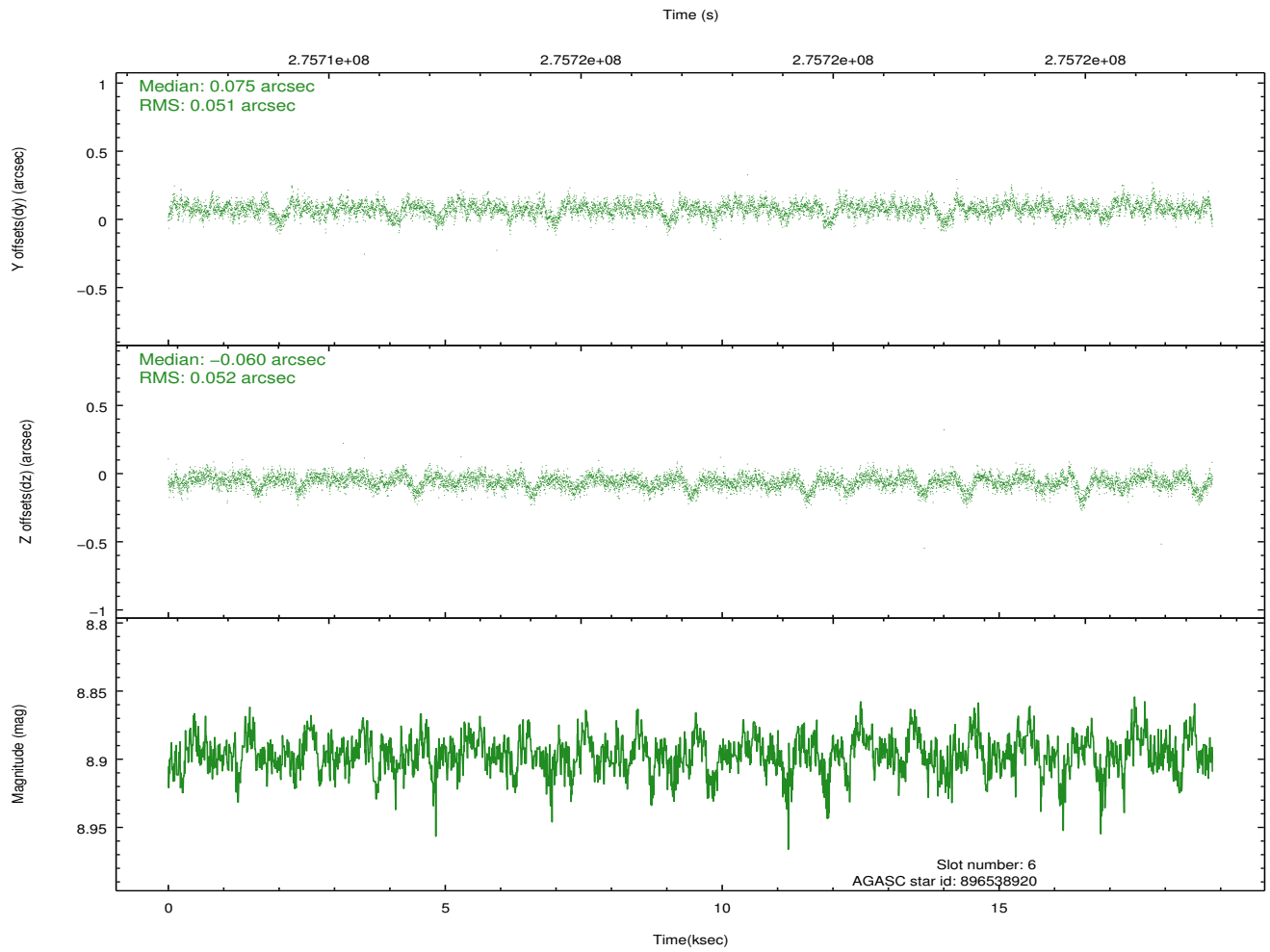
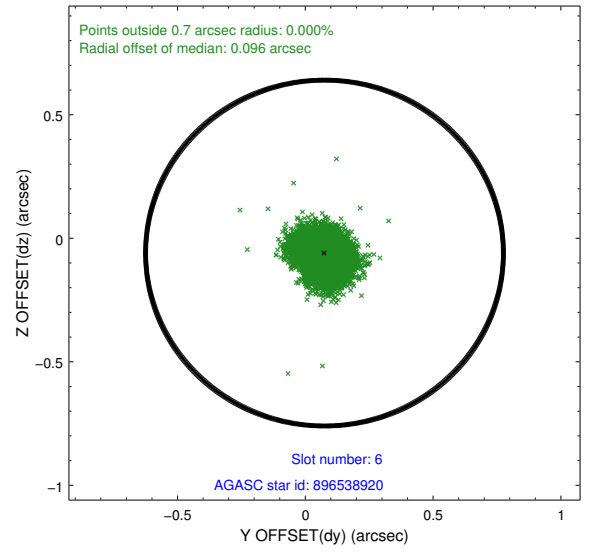
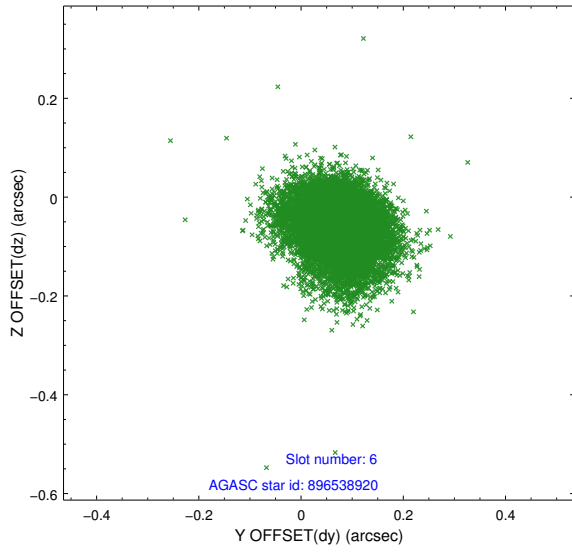
2.4.2 Slot 4



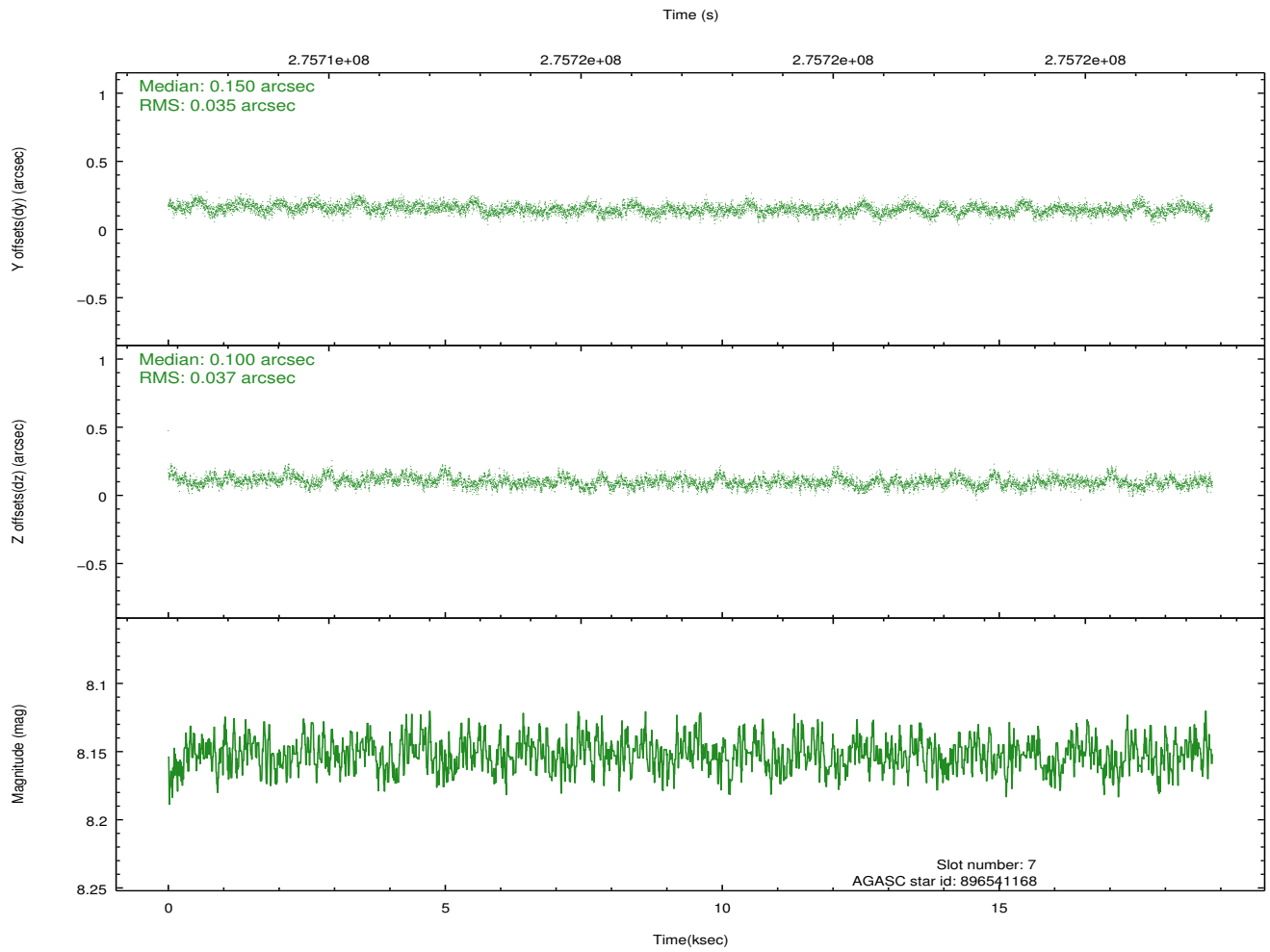
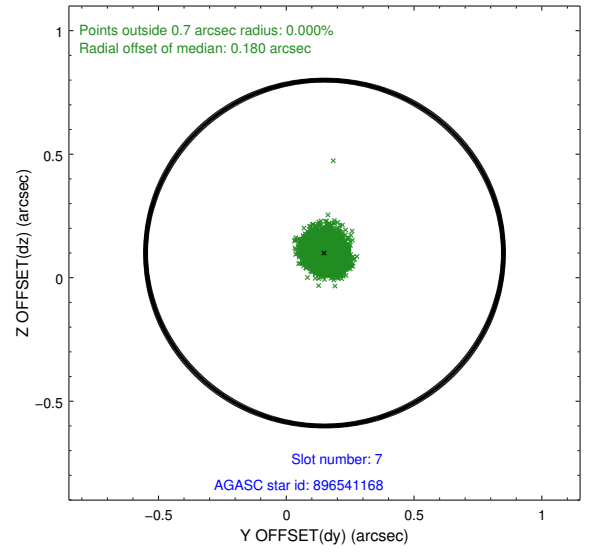
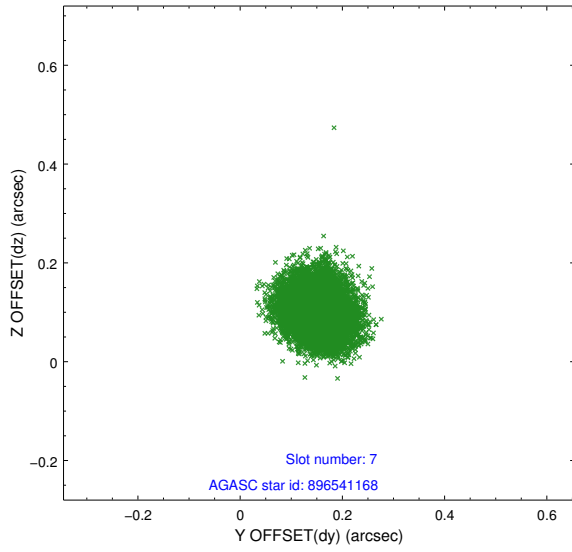
2.4.3 Slot 5



2.4.4 Slot 6

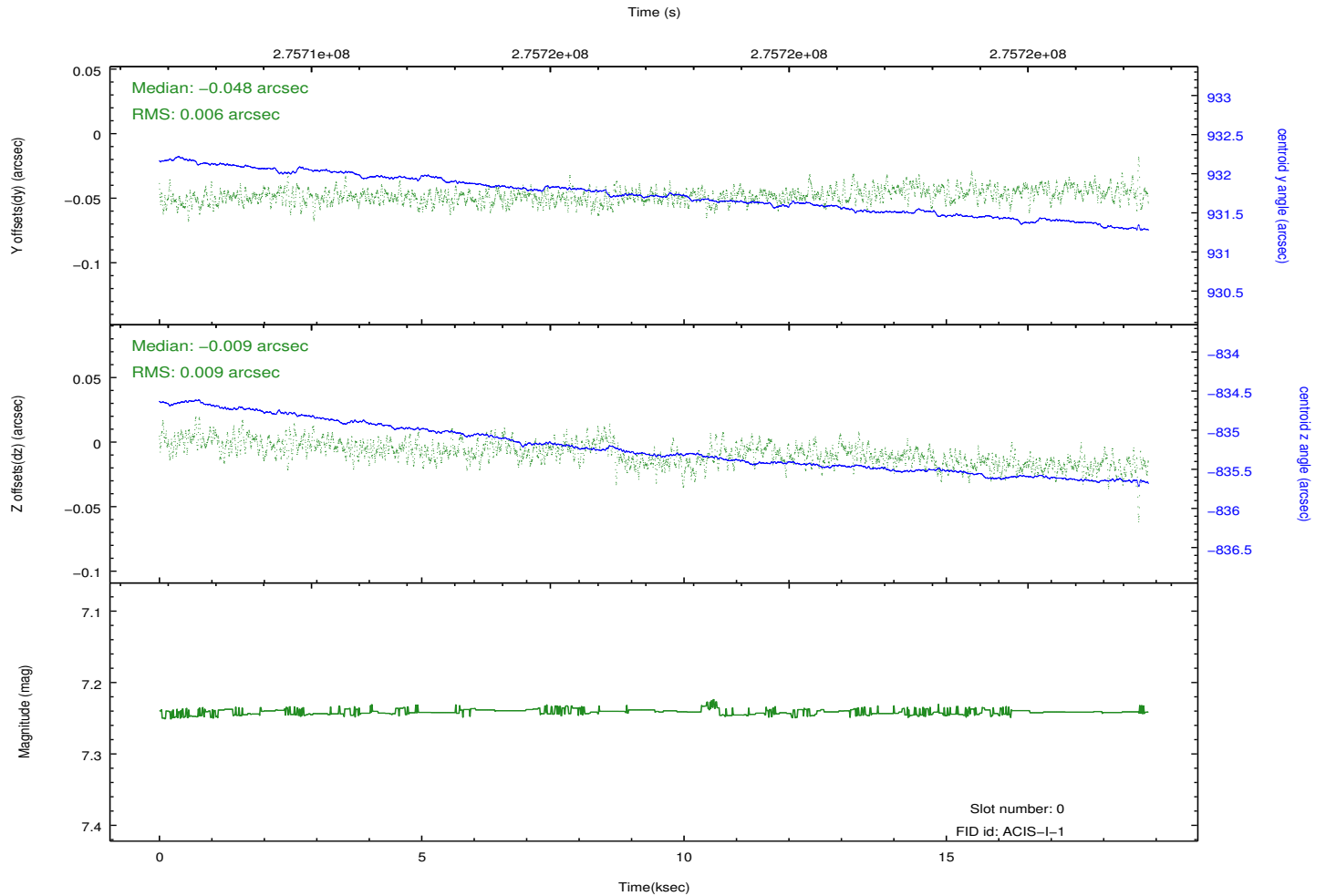
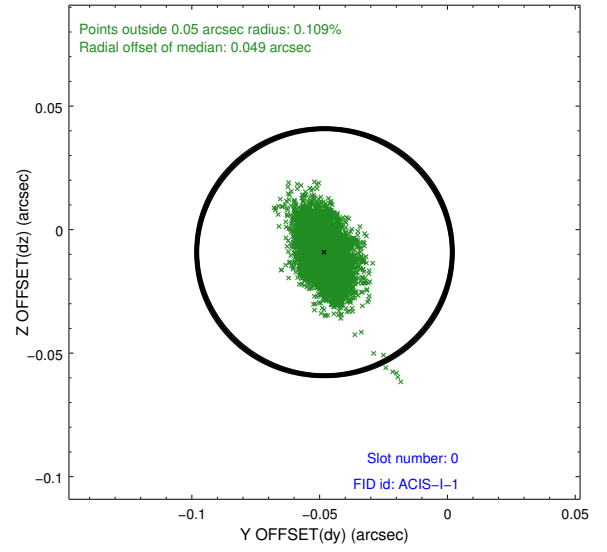
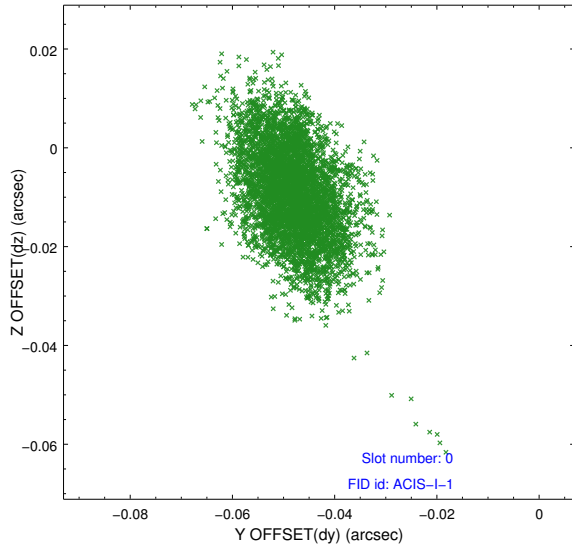


2.4.5 Slot 7

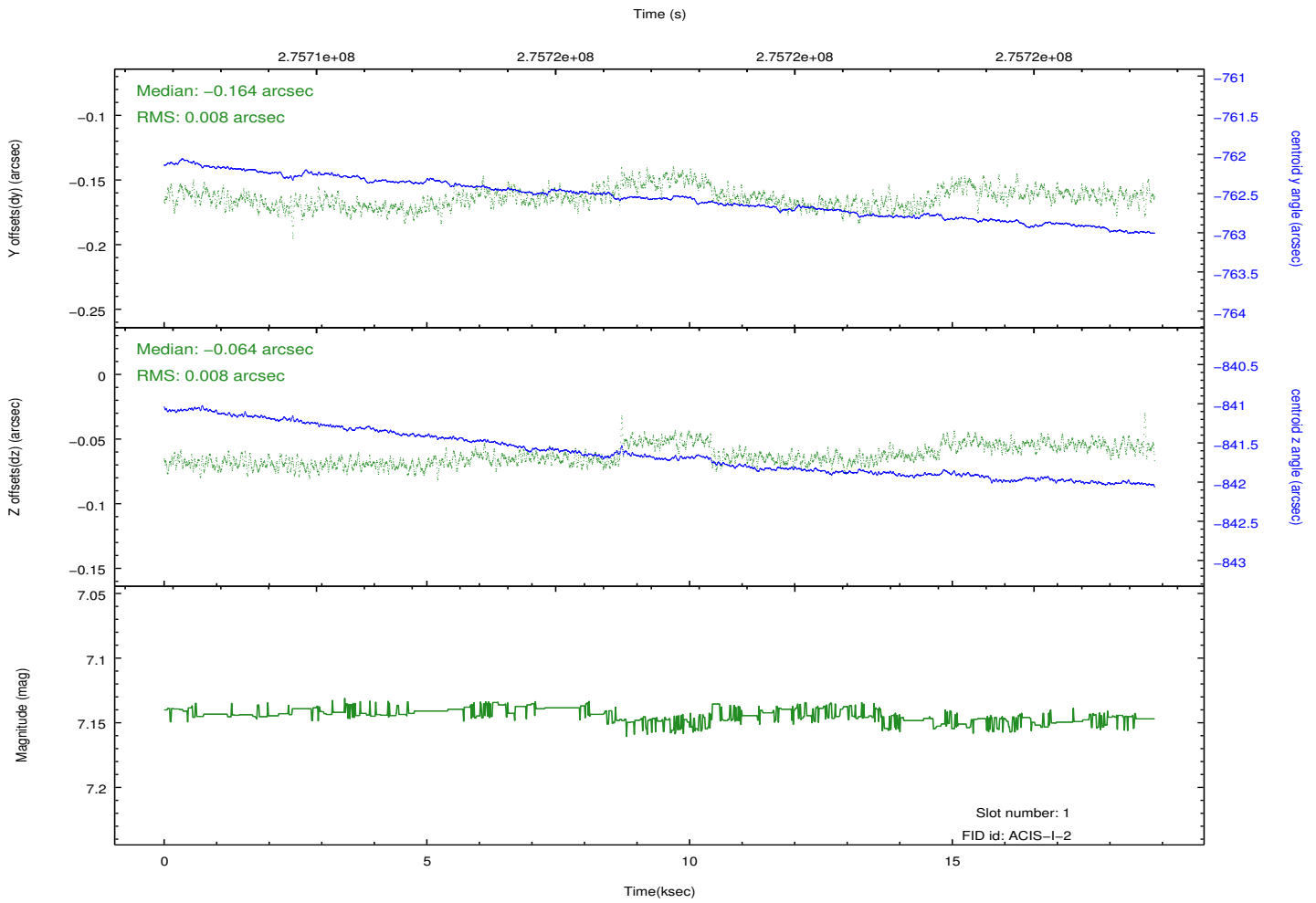
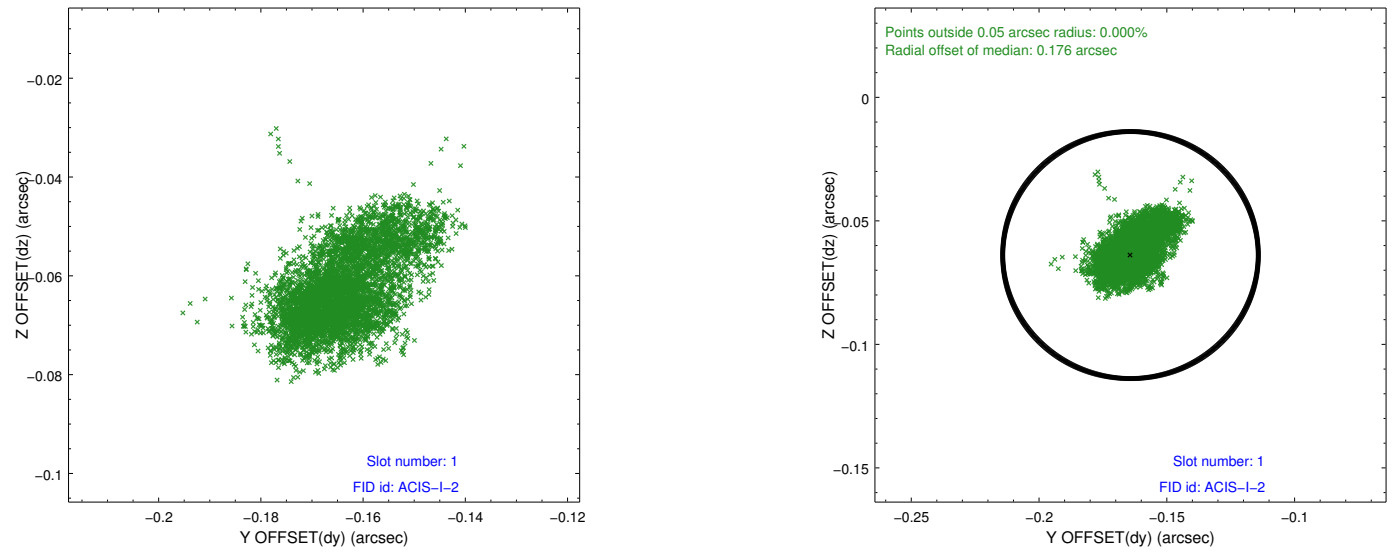


2.5 FID Slots

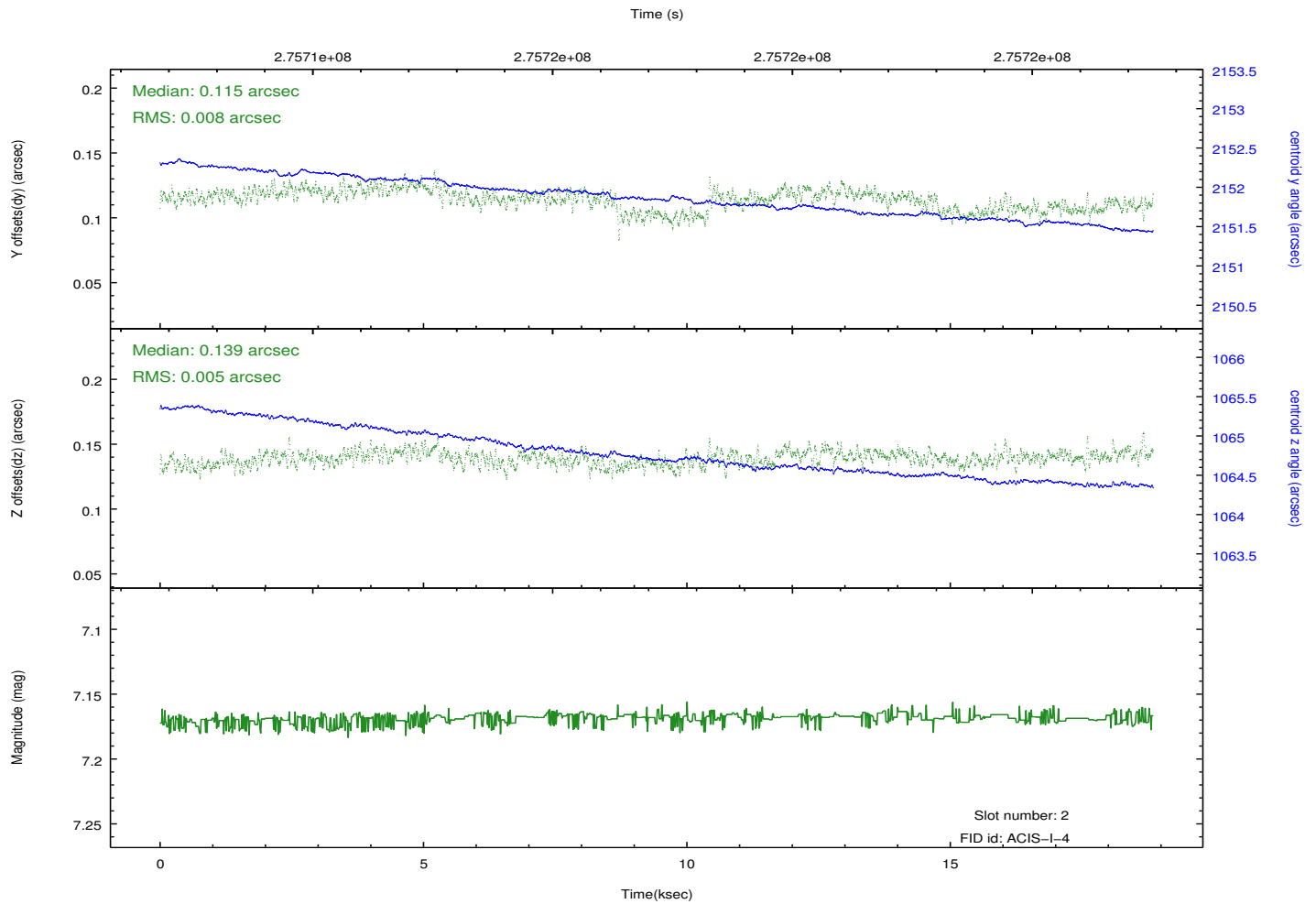
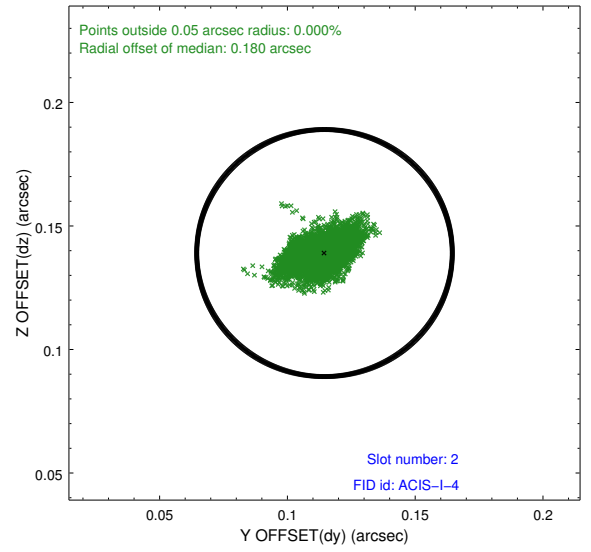
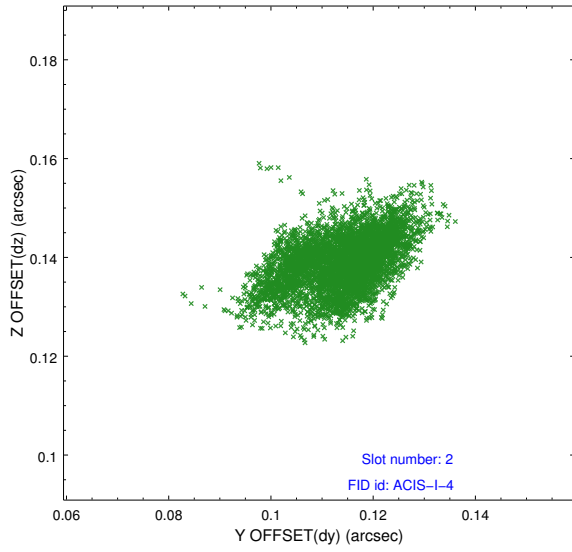
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.9519999

A.2 Comments

Roll preference met.