

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 670 - L2 Version 4
Chandra X-Ray Center

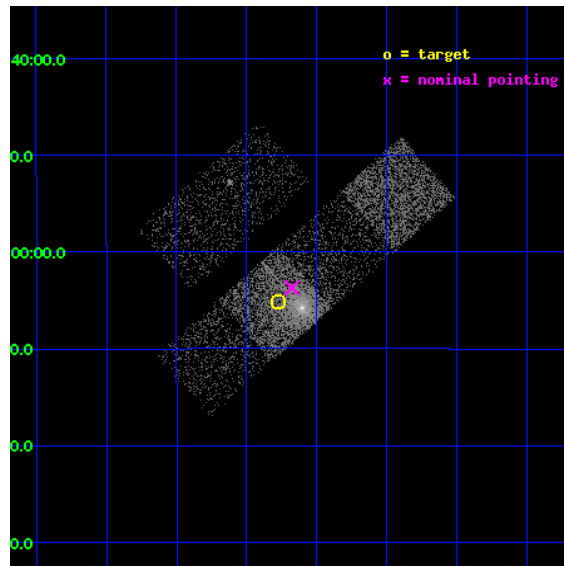
L2 Processing Date : Aug 29 2012

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1 Front

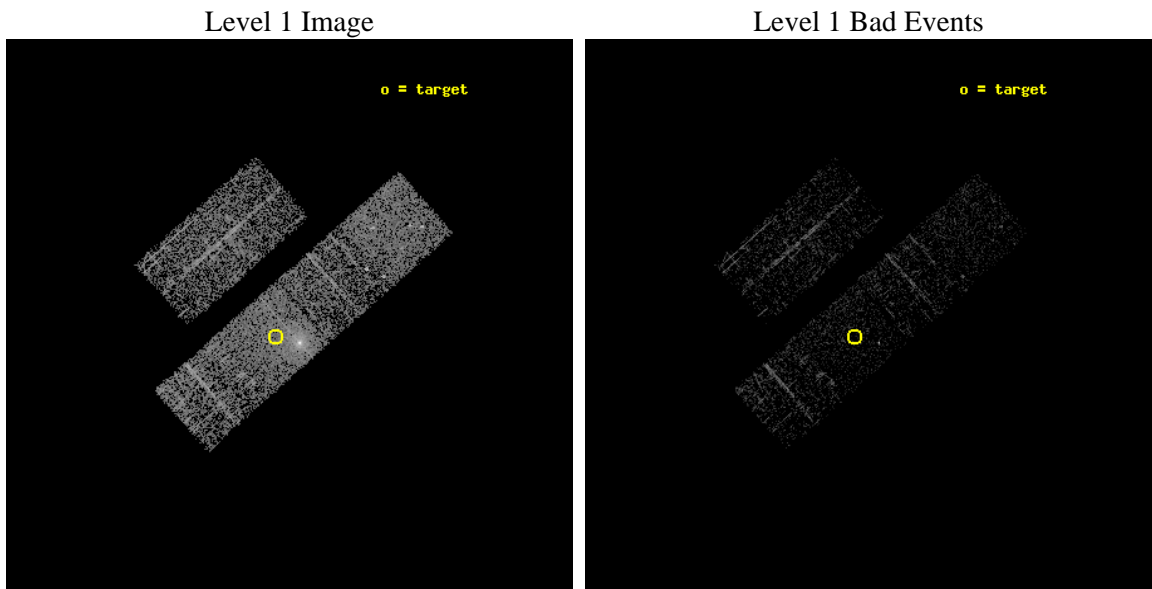
seq_num	400037	Sequence number
obs_id	670	Observation id
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES	Proposal title
observer	PROF MICHIEL VAN DER KLIS	Principal investigator
object	1812-12	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	273.81875	Observer's specified target RA [deg]
dec_targ	-12.08575	Observer's specified target Dec [deg]
ra_nom	273.79425246987	Nominal RA [deg]
dec_nom	-12.06187937533	Nominal Dec [deg]
roll_nom	138.49639571002	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1001.6000009179	Sum of GTIs [s]
livetime	988.91713861517	Livetime [s]
ontime2	1001.6000009179	Sum of GTIs [s]
ontime3	1001.6000009179	Sum of GTIs [s]
ontime5	1001.6000009179	Sum of GTIs [s]
ontime6	1001.6000009179	Sum of GTIs [s]
ontime7	1001.6000009179	Sum of GTIs [s]
ontime8	1001.6000009179	Sum of GTIs [s]
l2events	14185	Number of level 2 events



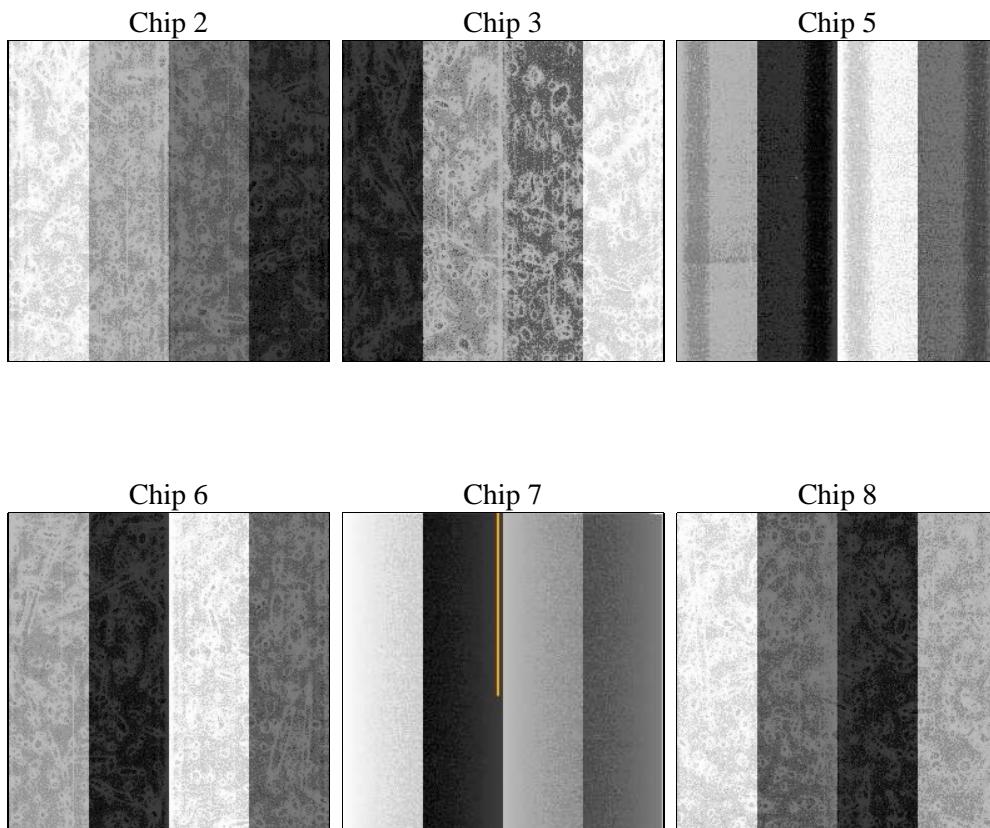
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1001.6000009179	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	1001.6000009179	Sum of GTIs [s]
date	2012-08-29T05:56:15	Date and time of file creation	ontime3	1001.6000009179	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1001.6000009179	Sum of GTIs [s]
			ontime6	1001.6000009179	Sum of GTIs [s]
			ontime7	1001.6000009179	Sum of GTIs [s]
			ontime8	1001.6000009179	Sum of GTIs [s]
			l1events	48844	Number of level 1 events

2.1.4 Events

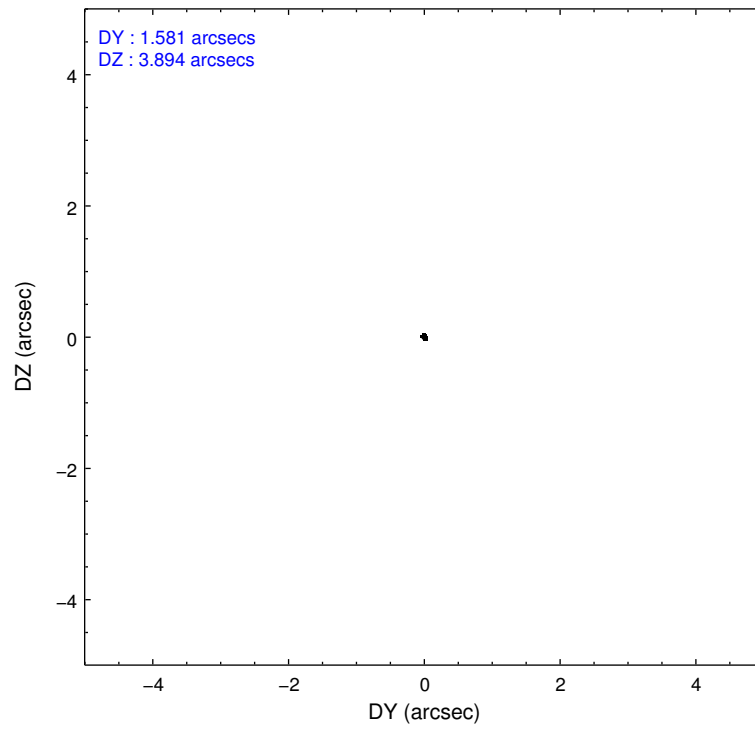
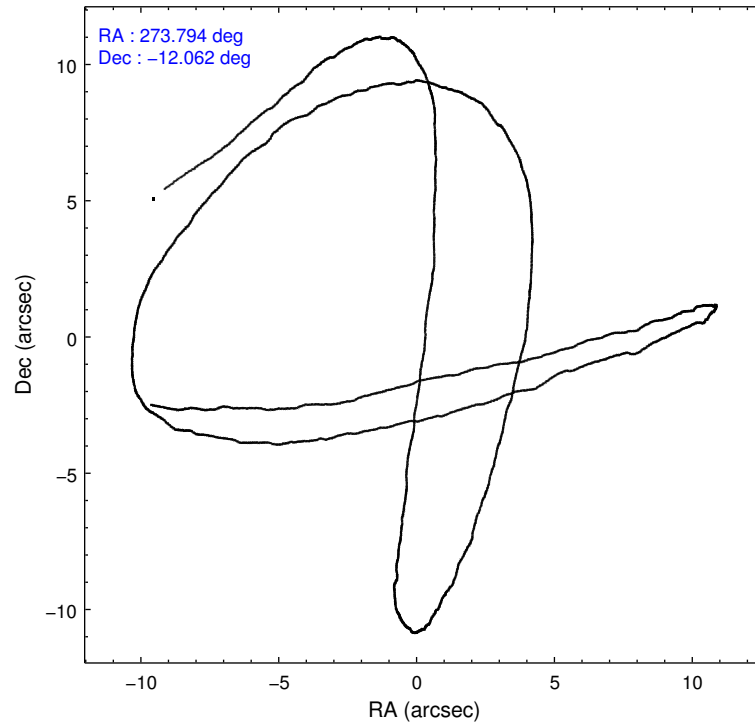
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6014	6770	8697	6831	11765	8767
rejected events	5195	5983	4492	5367	4428	6440
rejected %	86%	88%	51%	78%	37%	73%

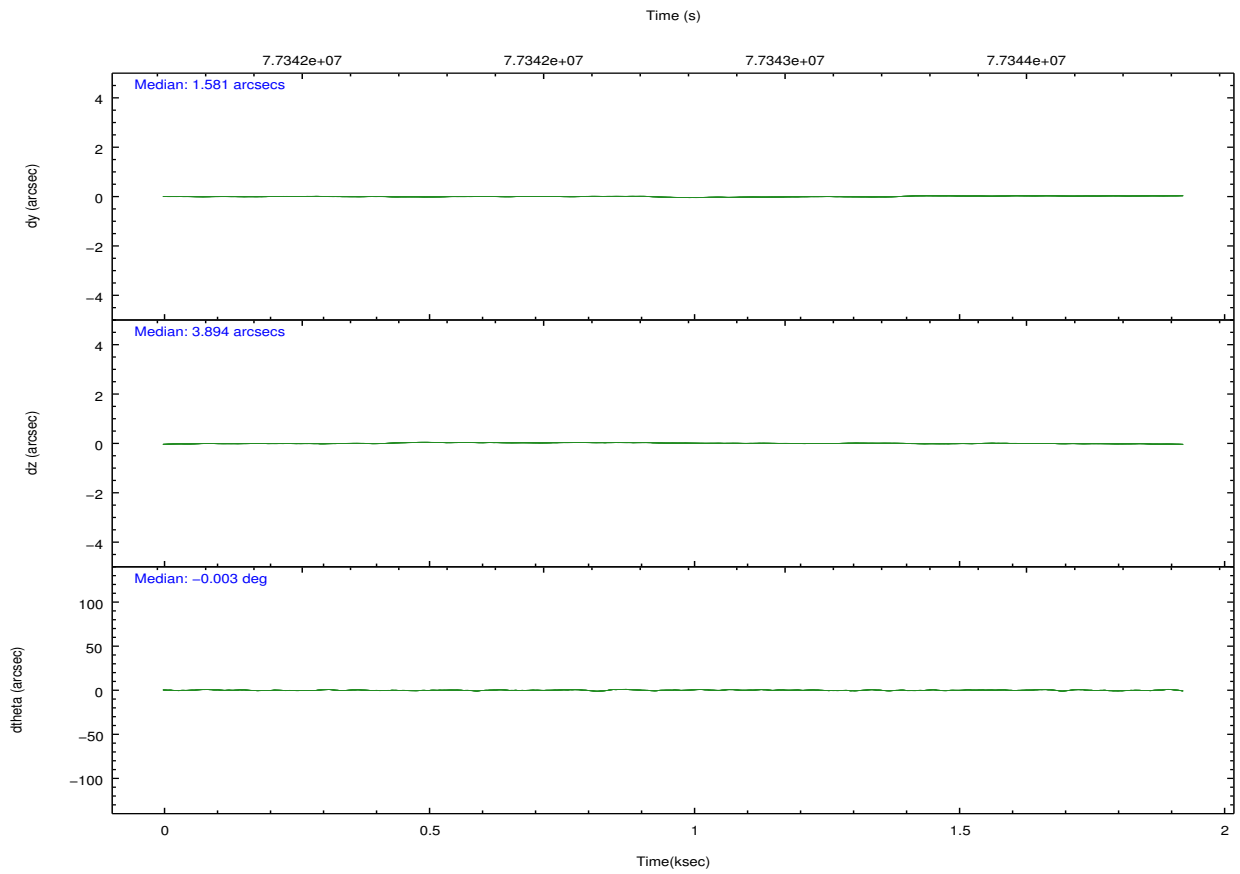
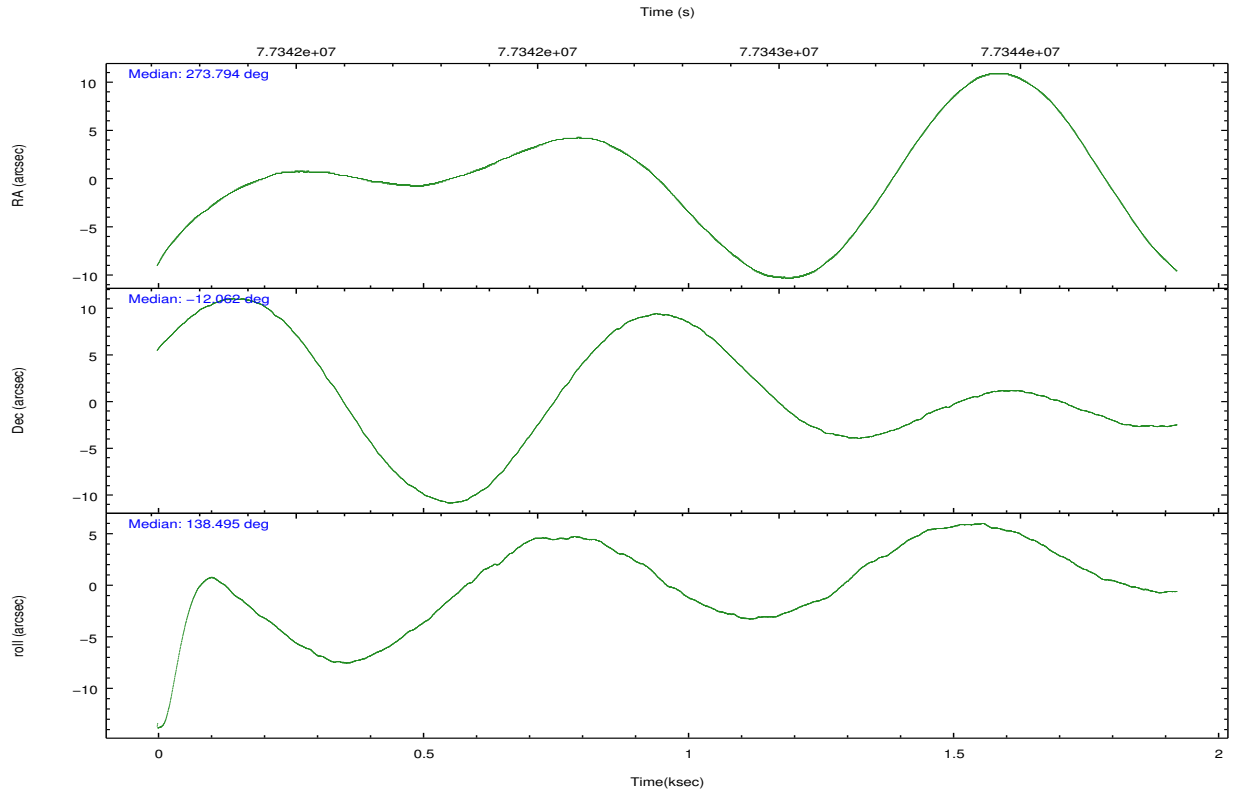
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	379	355	719	909	1233	863
	6%	5%	8%	13%	10%	9%
grade 1 events	4	3	68	10	23	6
	0%	0%	0%	0%	0%	0%
grade 2 events	181	159	1158	221	1653	399
	3%	2%	13%	3%	14%	4%
grade 3 events	80	70	222	78	805	322
	1%	1%	2%	1%	6%	3%
grade 4 events	56	72	205	84	814	306
	0%	1%	2%	1%	6%	3%
grade 5 events	178	206	638	208	768	299
	2%	3%	7%	3%	6%	3%
grade 6 events	129	136	1929	178	2881	467
	2%	2%	22%	2%	24%	5%
grade 7 events	5007	5769	3758	5143	3588	6105
	83%	85%	43%	75%	30%	69%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	273.821625	273.7942524698688	Subarray requested	NONE	NONE
[deg] Pointing Dec	-12.067289	-12.06187937533007	Alternating exposures requested	N	N
[deg] Pointing Roll	138.345551	138.4963957100158	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	77342529.184000	77341300.748596			
Observation start date	2000-06-14T04:01:05	2000-06-14T03:41:40			
[s] Observation end time (MET)	77343729.184000	77344264.02370501			
Observation end date	2000-06-14T04:21:05	2000-06-14T04:31:04			
Read mode	TIMED	TIMED			

2.3 Aspect



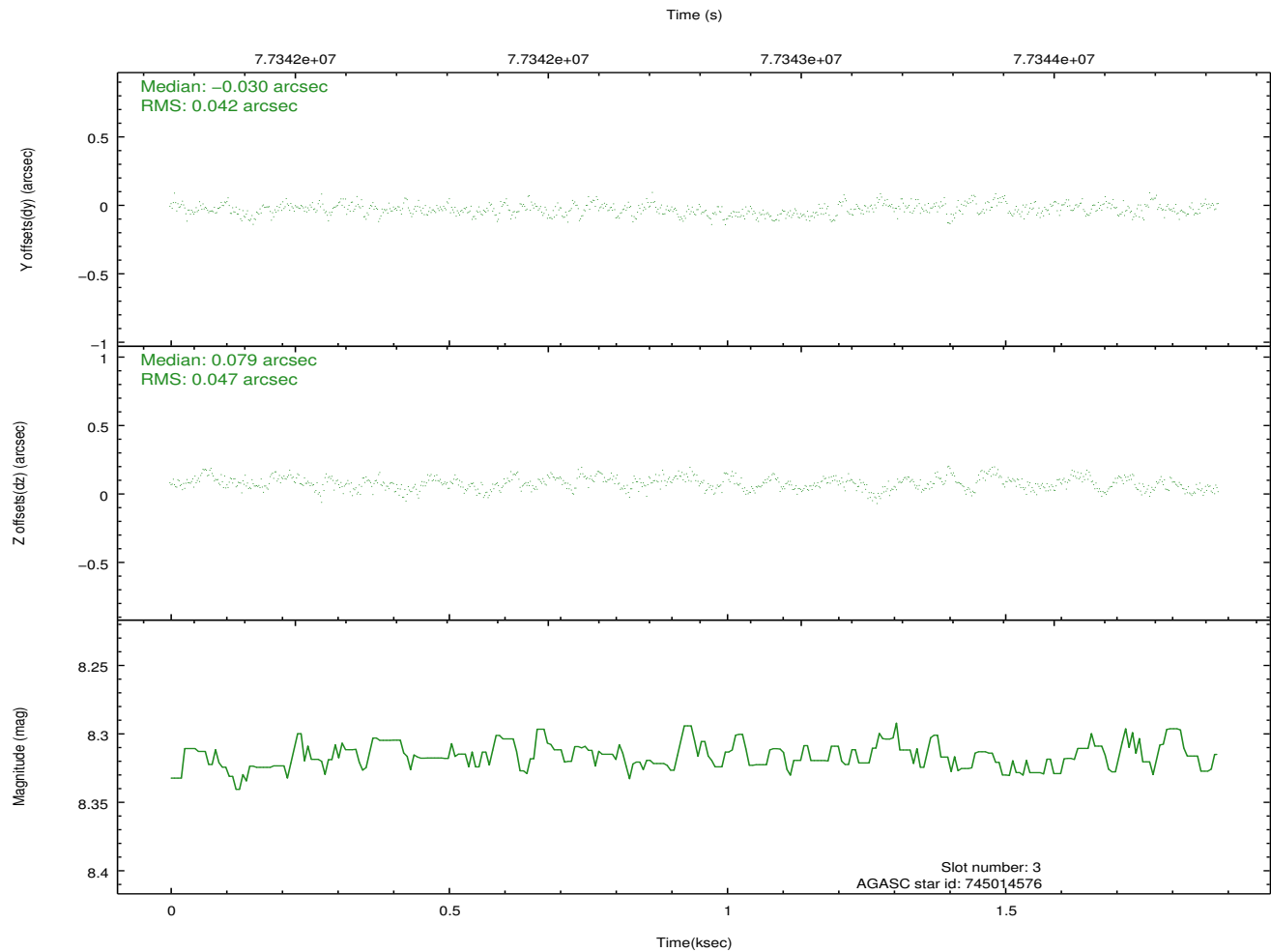
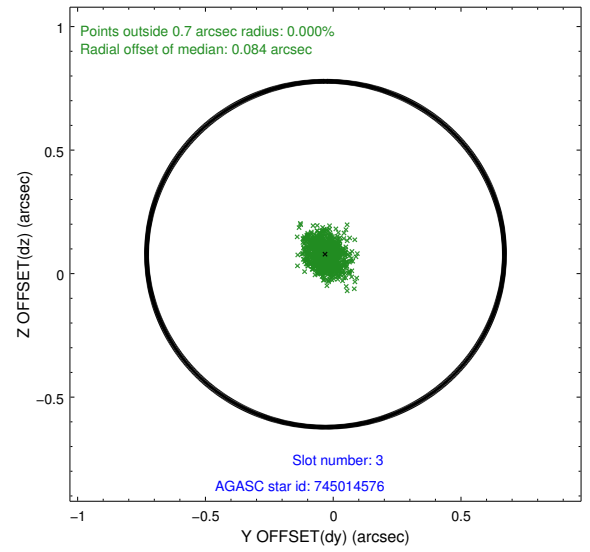
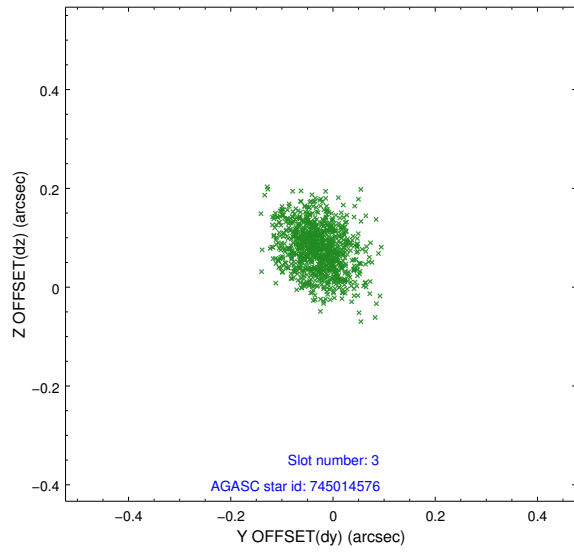


Slot Statistics

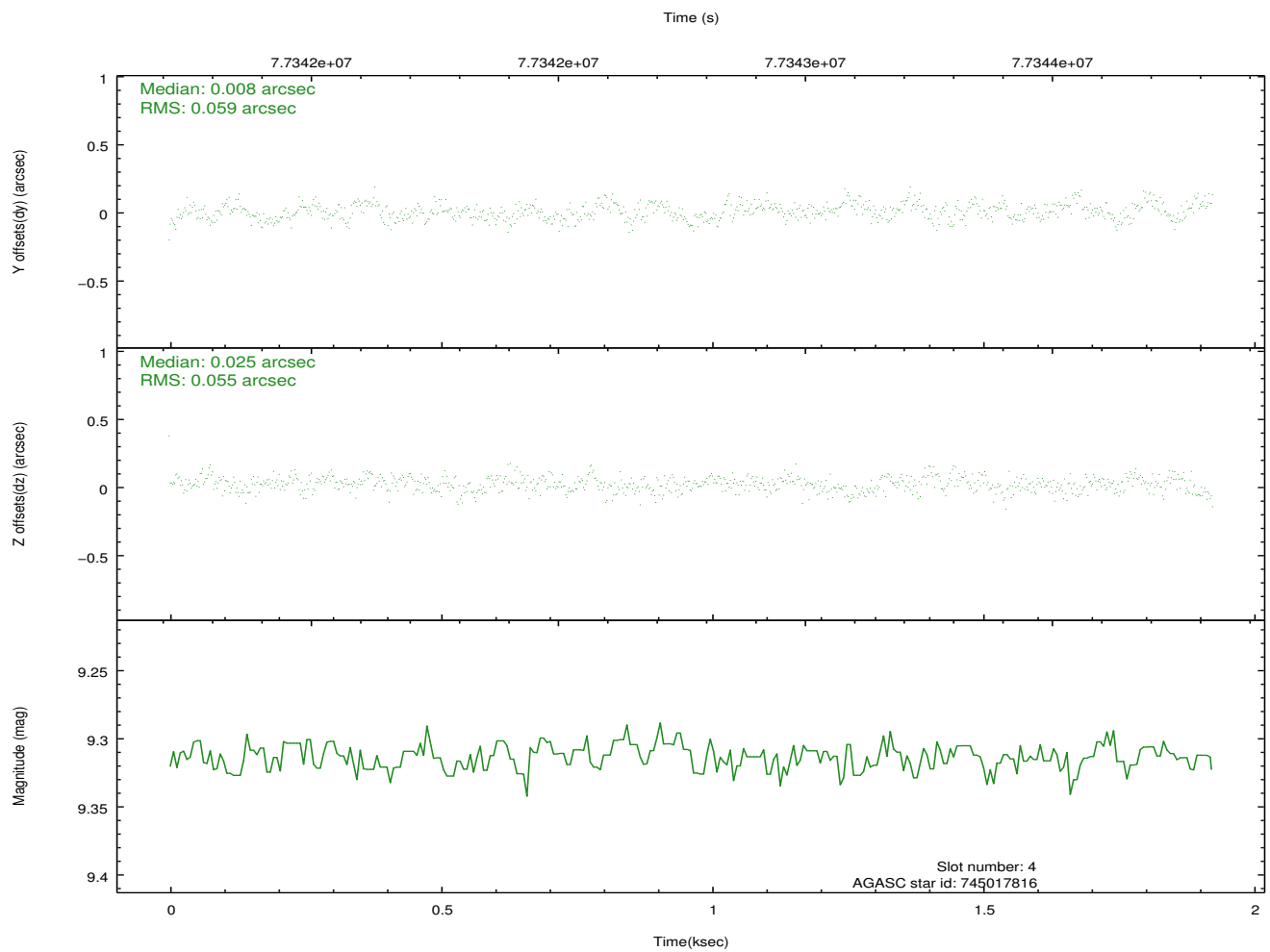
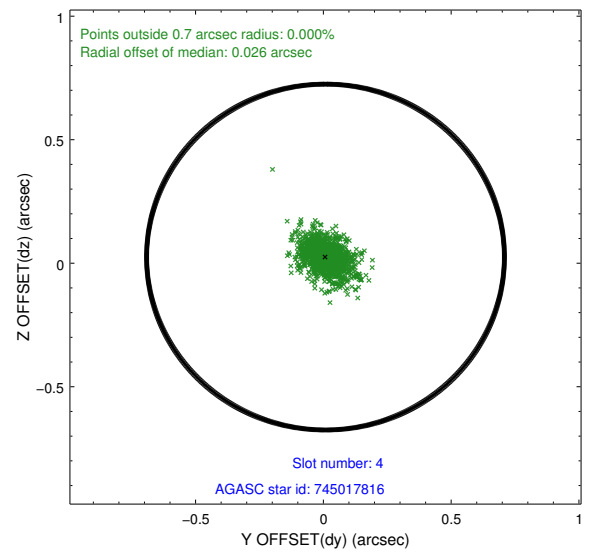
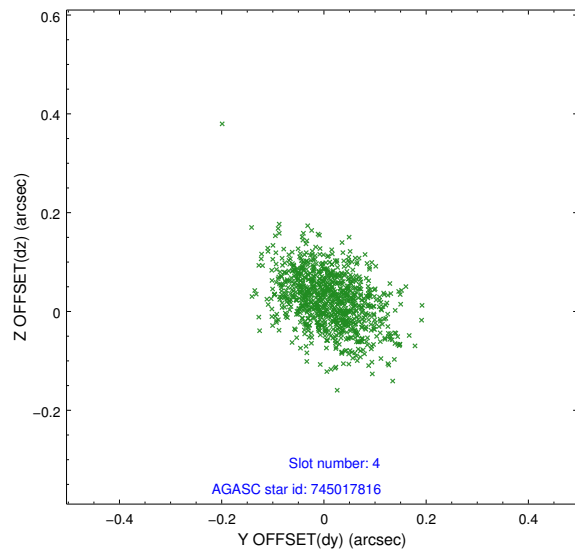
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	470	-0.008	-0.010	0.006	0.012	0.000000	0.000000	-754.23	-1724.97
1	FID	ACIS-S-4	7.21	470	-0.019	0.007	0.005	0.008	0.000000	0.000000	2157.54	179.96
2	FID	ACIS-S-5	7.24	470	-0.004	0.013	0.006	0.011	0.000000	0.000000	-1802.64	177.59
3	GUIDE	745014576	8.32	920	-0.030	0.079	0.068	0.106	273.799590	-12.501134	-980.12	1218.75
4	GUIDE	745017816	9.31	940	0.008	0.025	0.084	0.142	273.516213	-12.542899	-337.65	1994.64
5	GUIDE	745167648	9.31	940	0.016	0.189	0.082	0.138	274.334682	-12.232026	-1744.35	-752.85
6	GUIDE	745166080	9.12	940	-0.025	-0.238	0.078	0.139	274.541224	-12.179760	-2165.24	-1378.91
7	GUIDE	745018096	9.98	937	0.025	-0.051	0.121	0.193	273.384100	-11.888820	1575.48	544.10

2.4 Star Slots

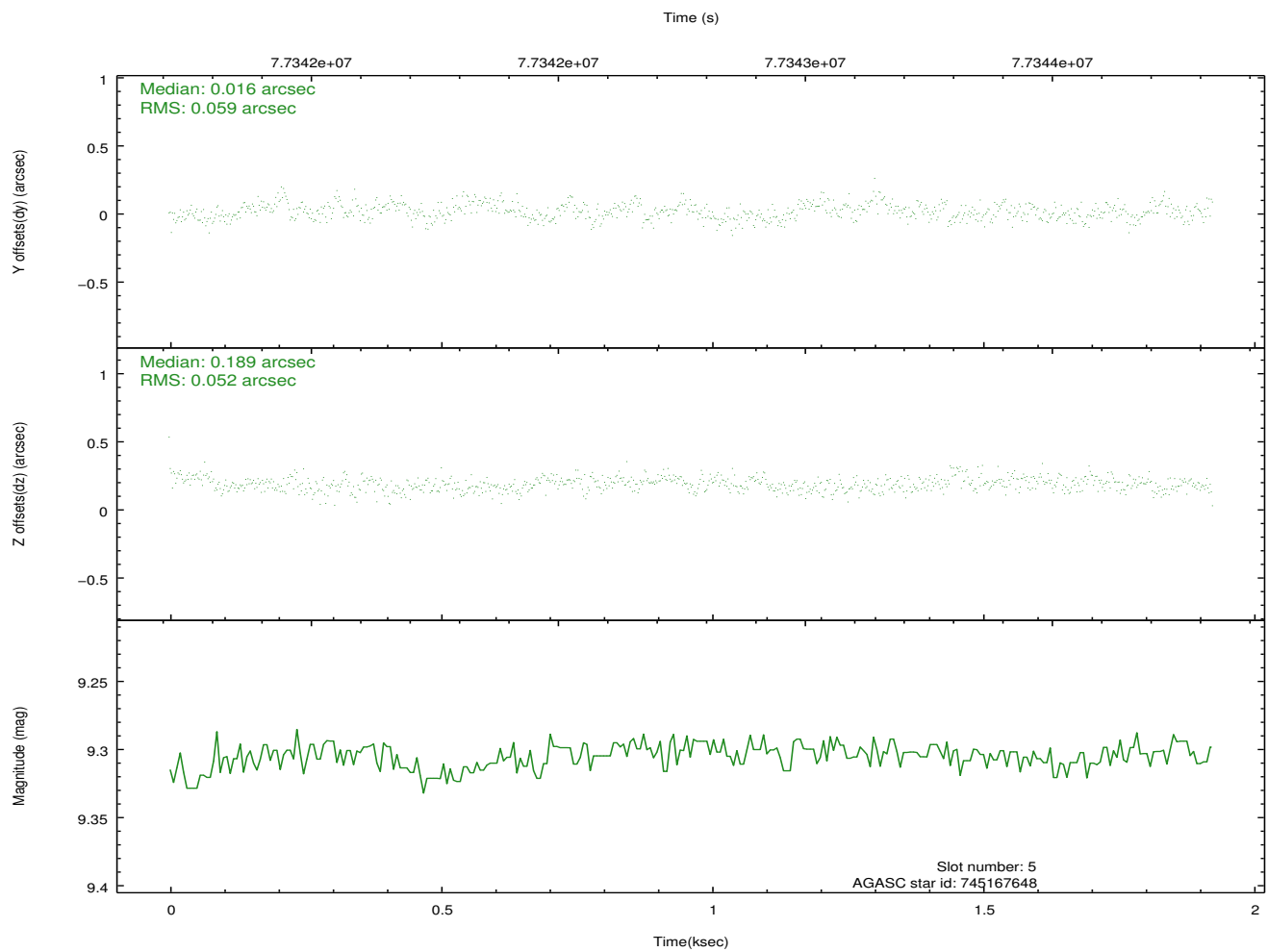
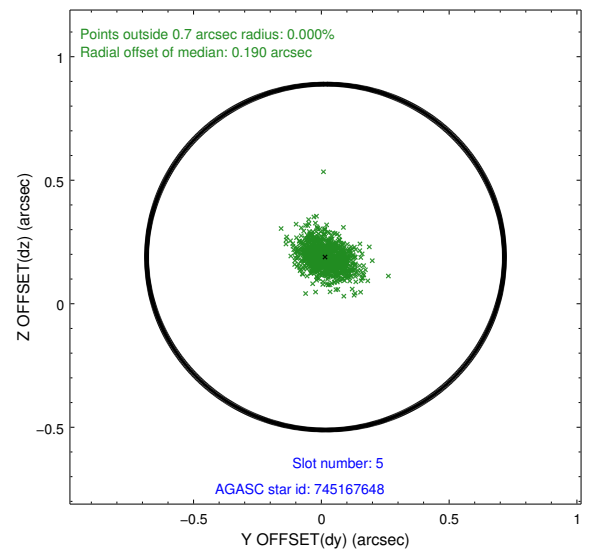
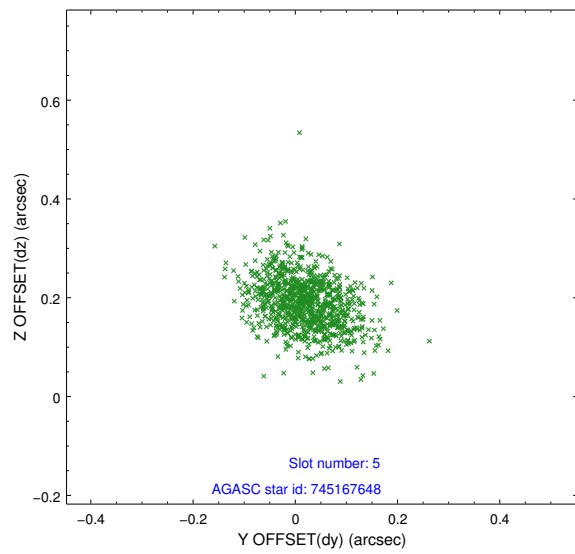
2.4.1 Slot 3



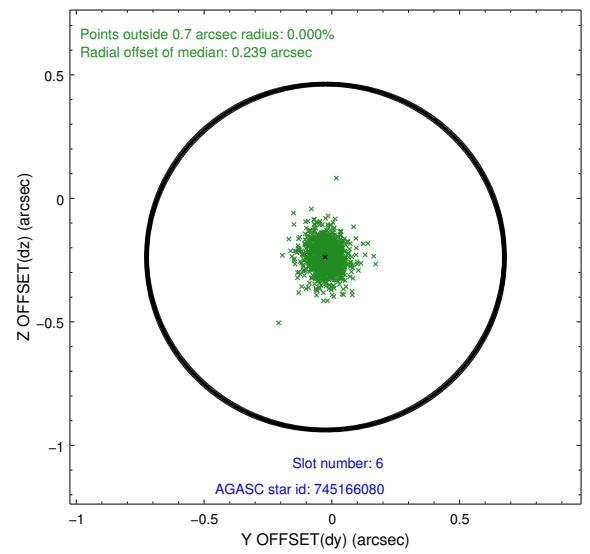
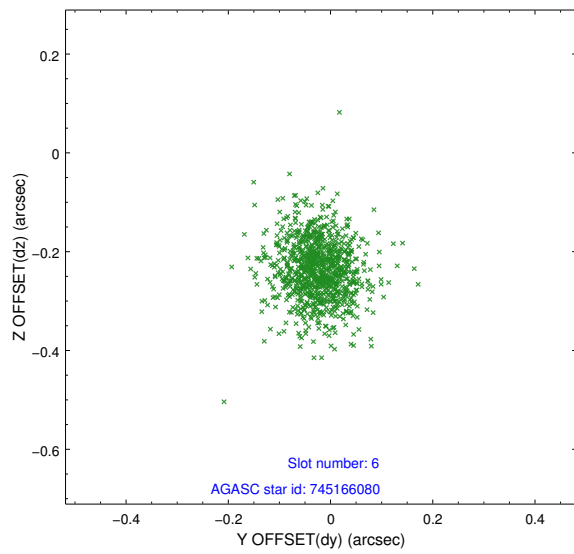
2.4.2 Slot 4



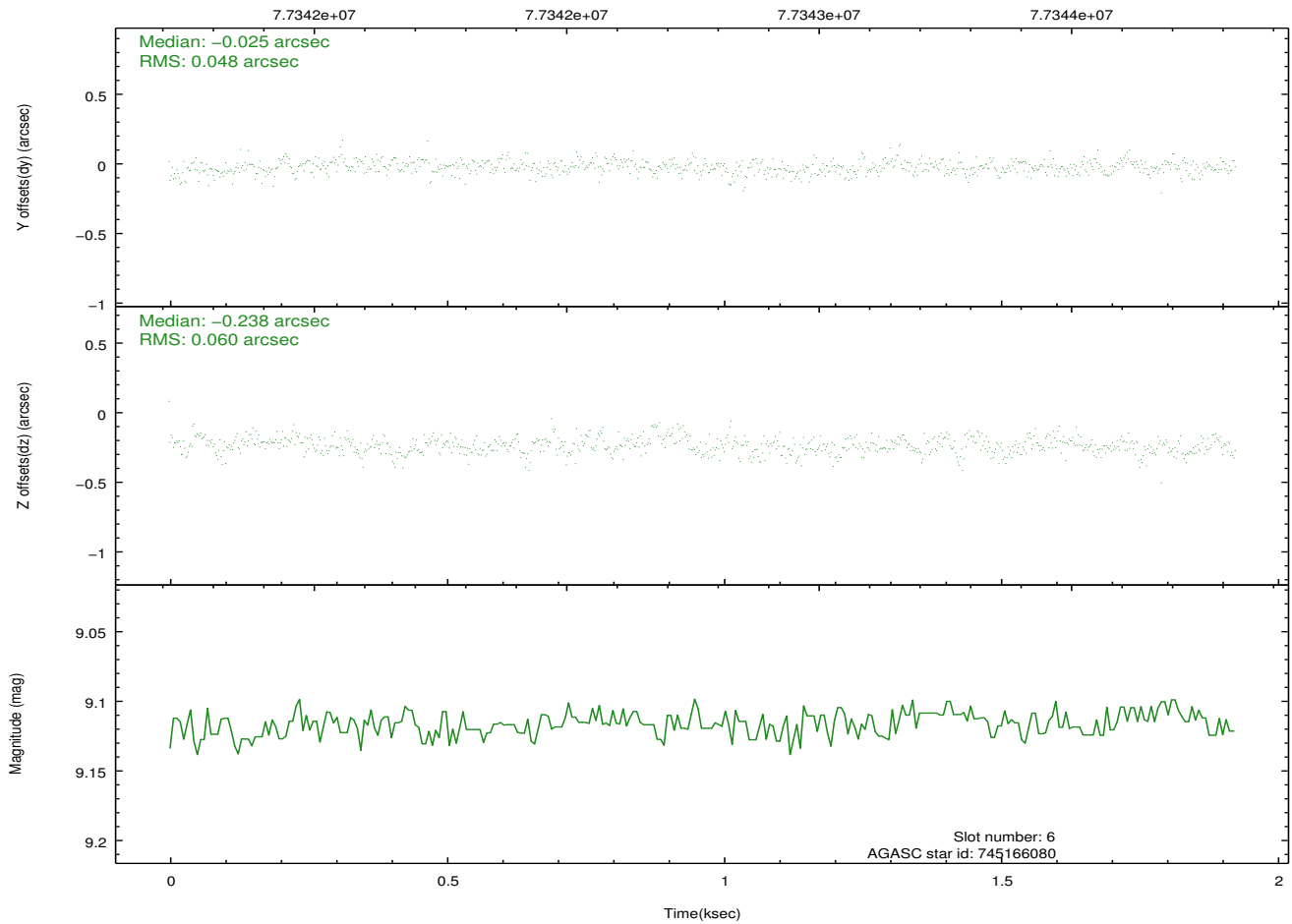
2.4.3 Slot 5



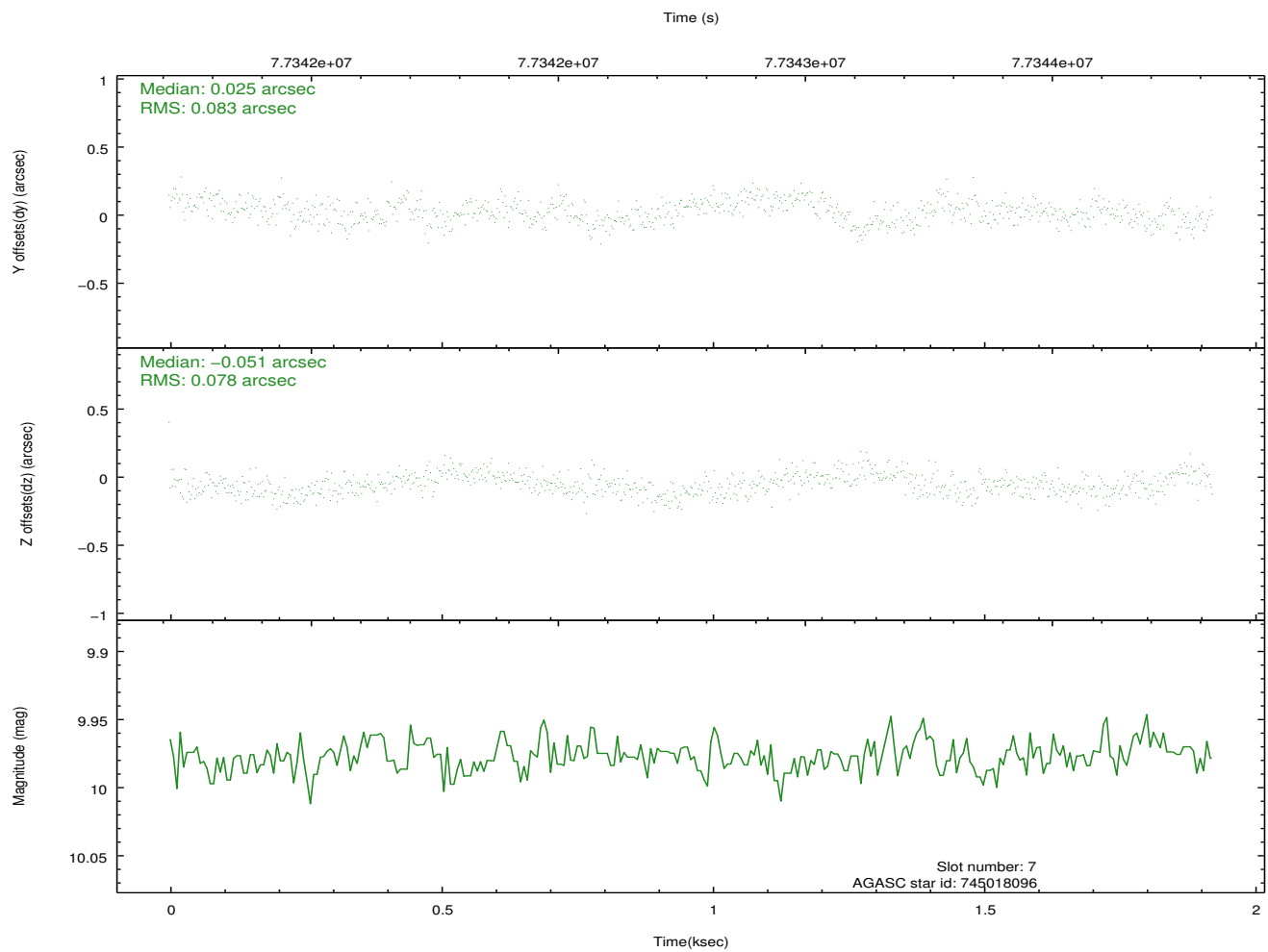
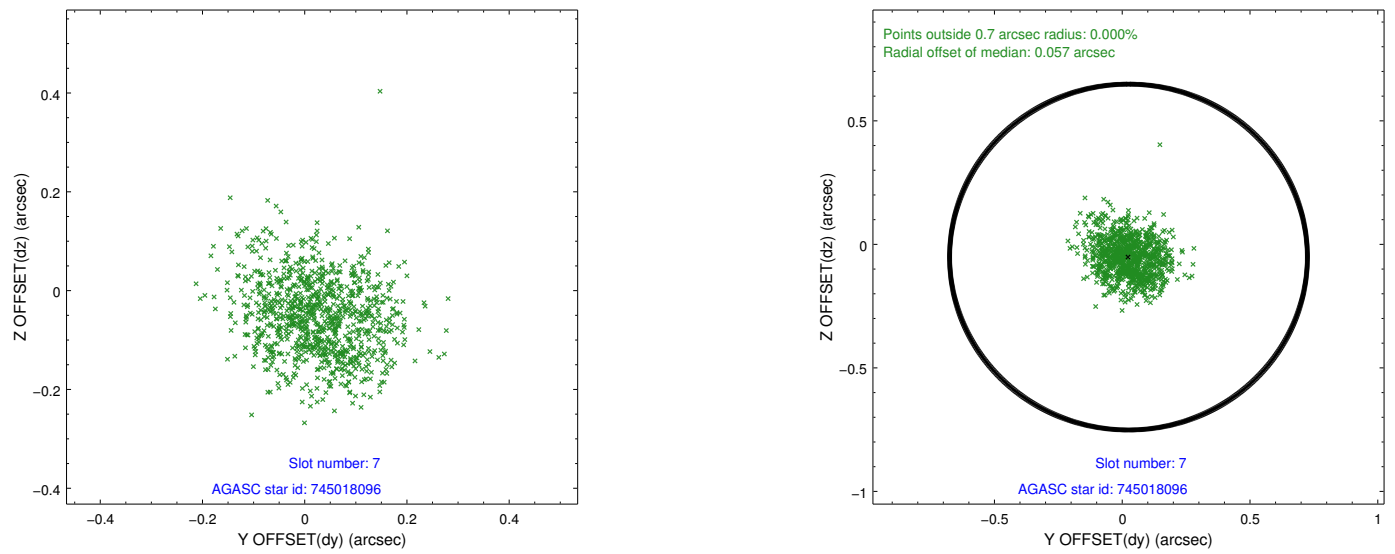
2.4.4 Slot 6



Time (s)

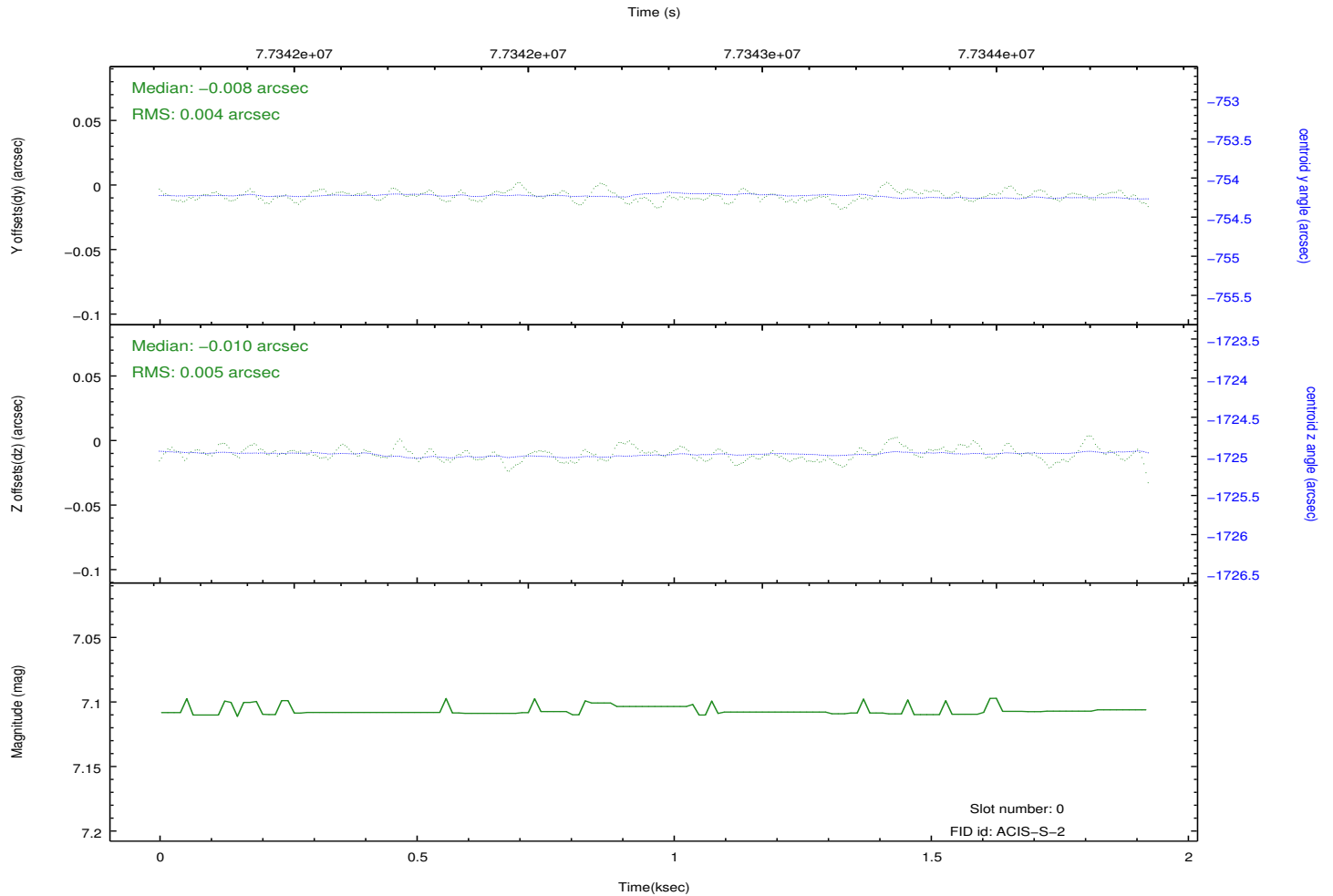
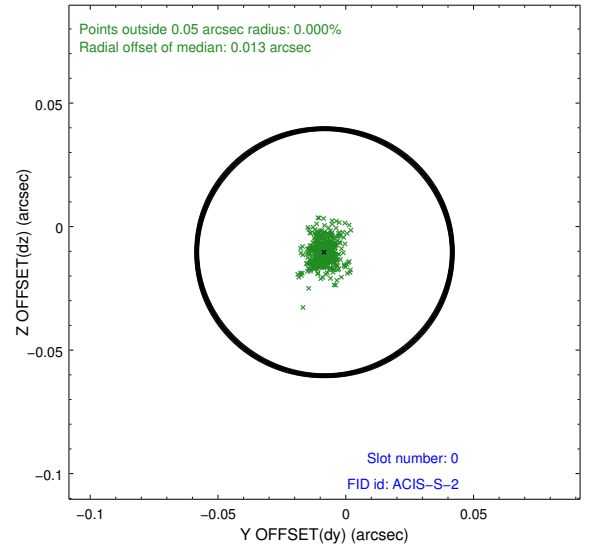
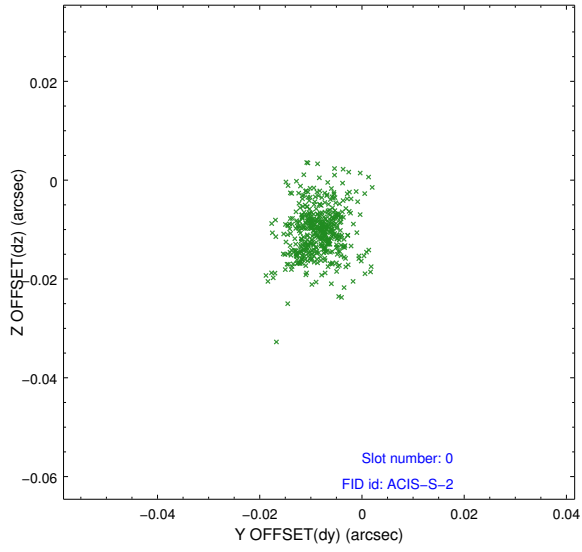


2.4.5 Slot 7

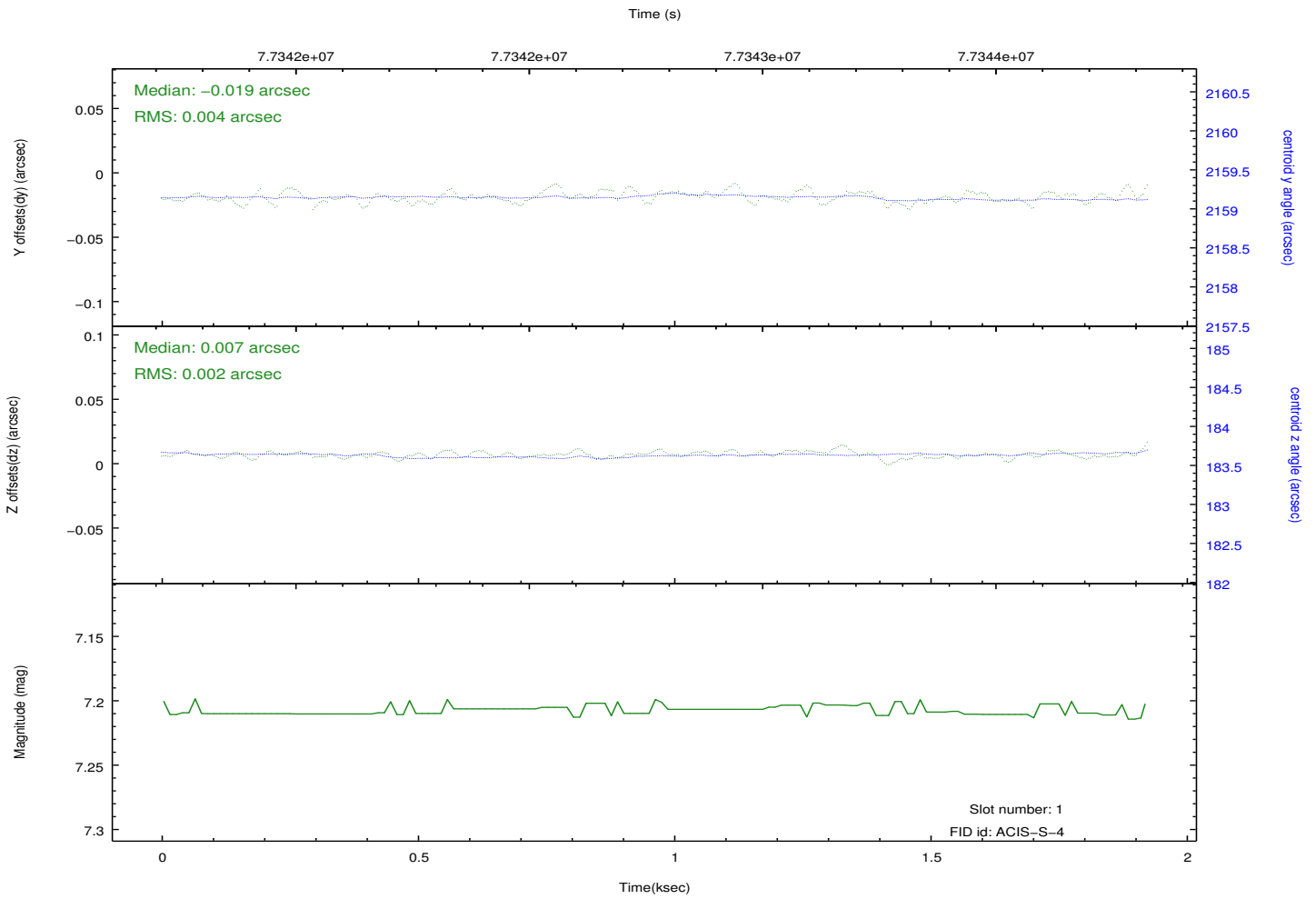
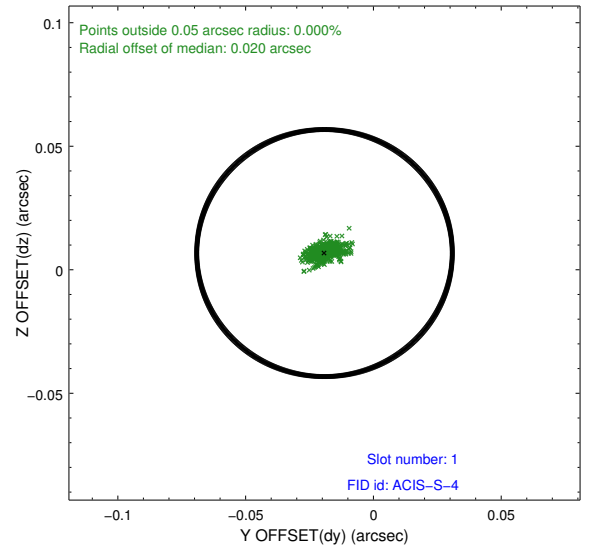
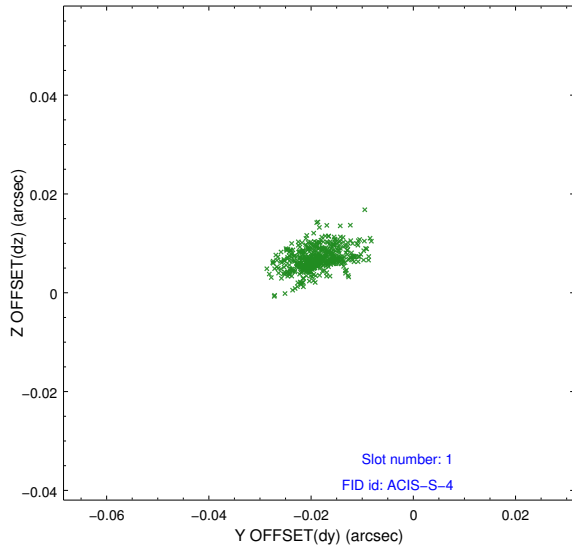


2.5 FID Slots

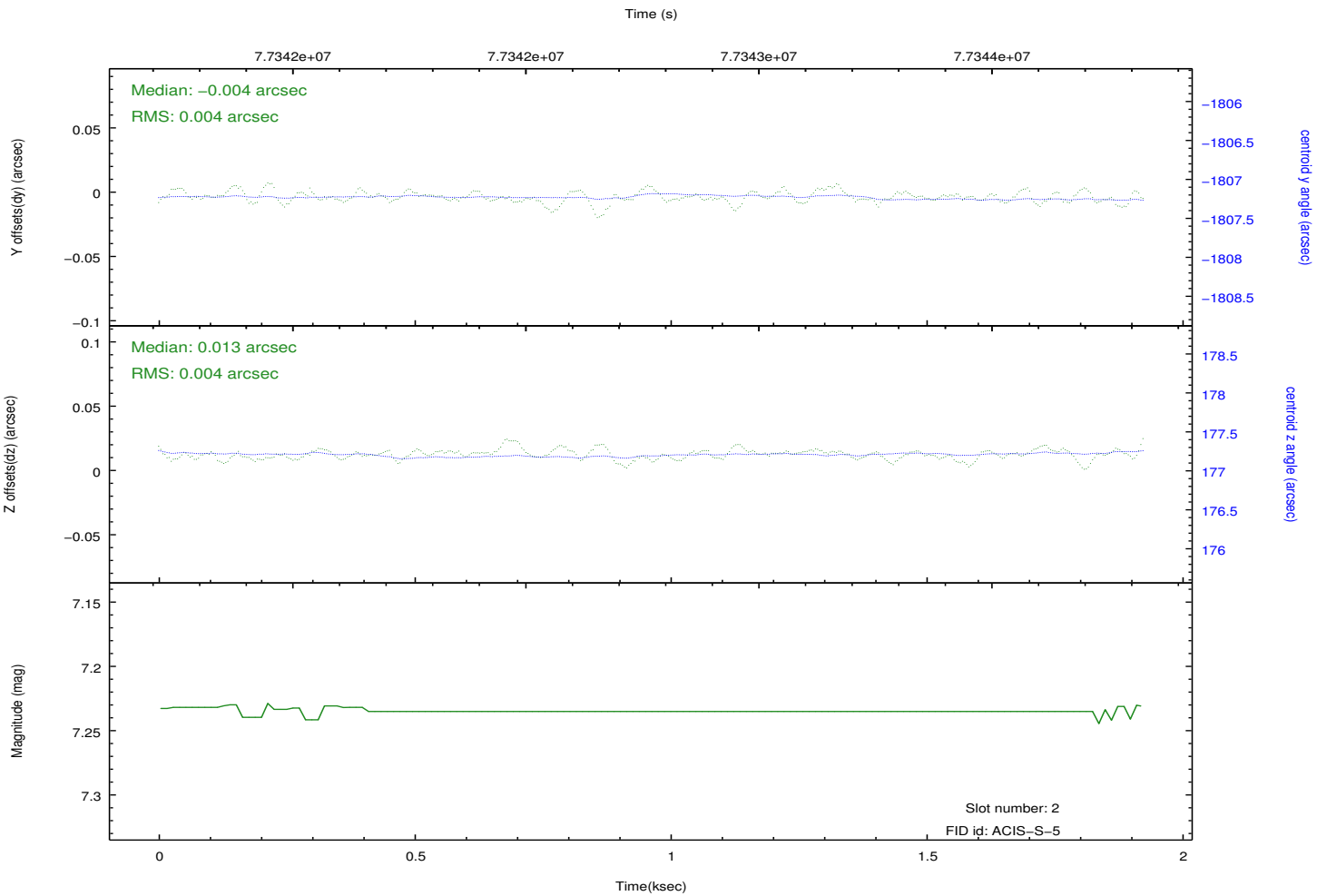
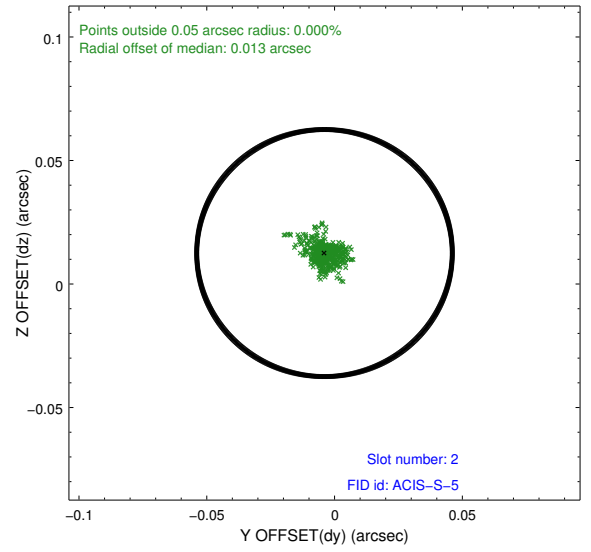
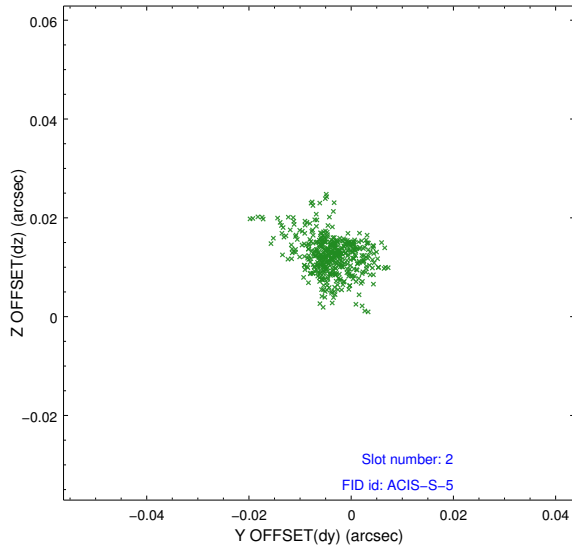
2.5.1 Slot 0



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)	2012.08.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.004

A.2 Comments