

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4700 - L2 Version 3
Chandra X-Ray Center

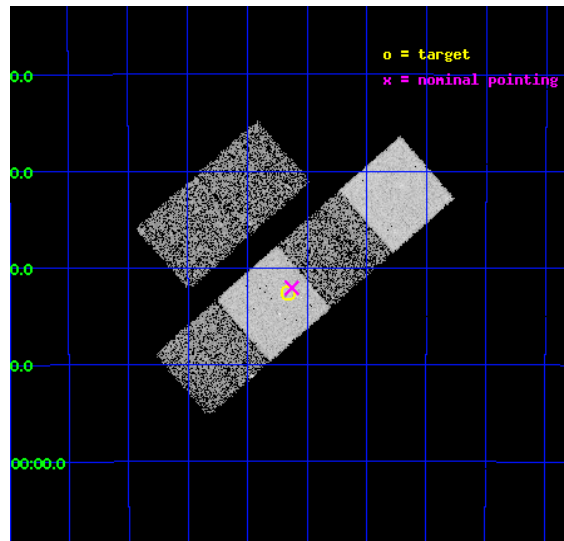
L2 Processing Date : Dec 1 2012

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1 Front

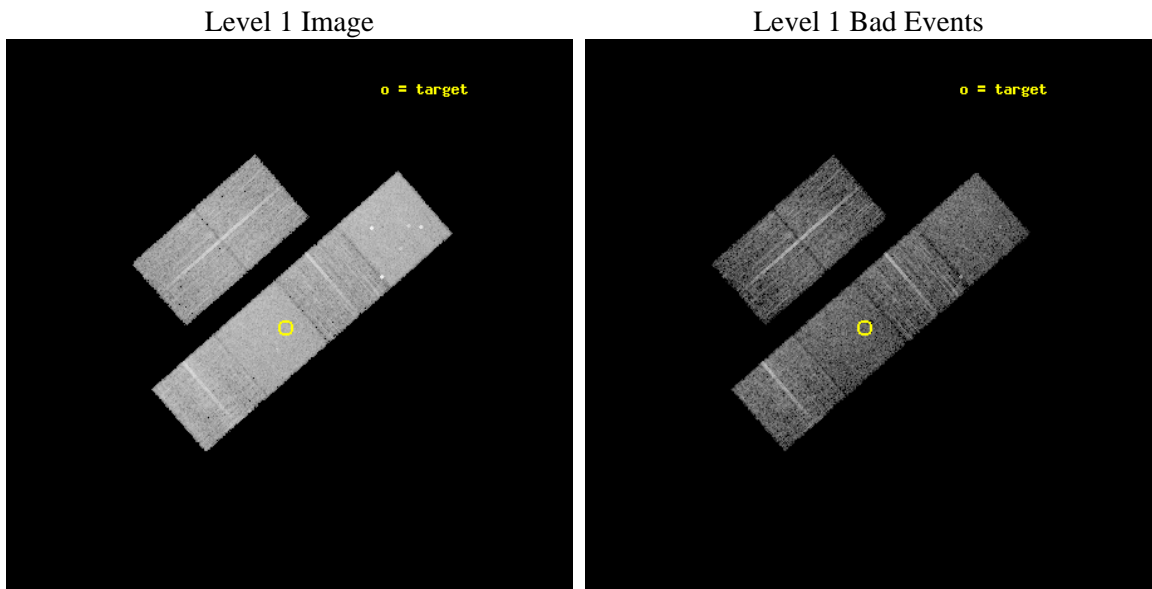
seq_num	600355	Sequence number
obs_id	4700	Observation id
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II	Proposal title
observer	Dr Thomas Maccarone	Principal investigator
object	SCULPTOR DWARF SPHEROIDAL	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.039167	Observer's specified target RA [deg]
dec_targ	-33.708889	Observer's specified target Dec [deg]
ra_nom	15.03182959024	Nominal RA [deg]
dec_nom	-33.701233889351	Nominal Dec [deg]
roll_nom	138.77781233758	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6182.3999769688	Sum of GTIs [s]
livetime	6104.114705866	Livetime [s]
ontime2	6182.3999769688	Sum of GTIs [s]
ontime3	6182.3999769688	Sum of GTIs [s]
ontime5	6182.3999769688	Sum of GTIs [s]
ontime6	6182.3999769688	Sum of GTIs [s]
ontime7	6182.3999769688	Sum of GTIs [s]
ontime8	6182.399356246	Sum of GTIs [s]
l2events	71645	Number of level 2 events



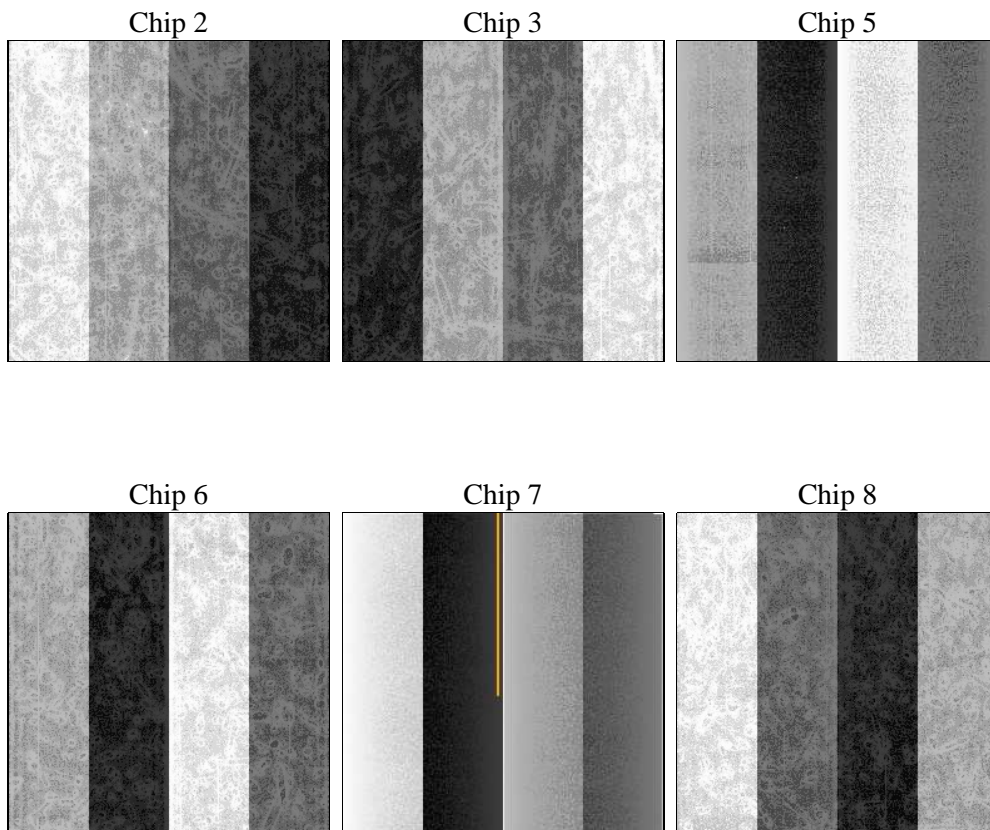
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6222.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6182.3999769688	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	6182.3999769688	Sum of GTIs [s]
date	2012-12-01T08:09:59	Date and time of file creation	ontime3	6182.3999769688	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6182.3999769688	Sum of GTIs [s]
			ontime6	6182.3999769688	Sum of GTIs [s]
			ontime7	6182.3999769688	Sum of GTIs [s]
			ontime8	6182.399356246	Sum of GTIs [s]
			l1events	317803	Number of level 1 events

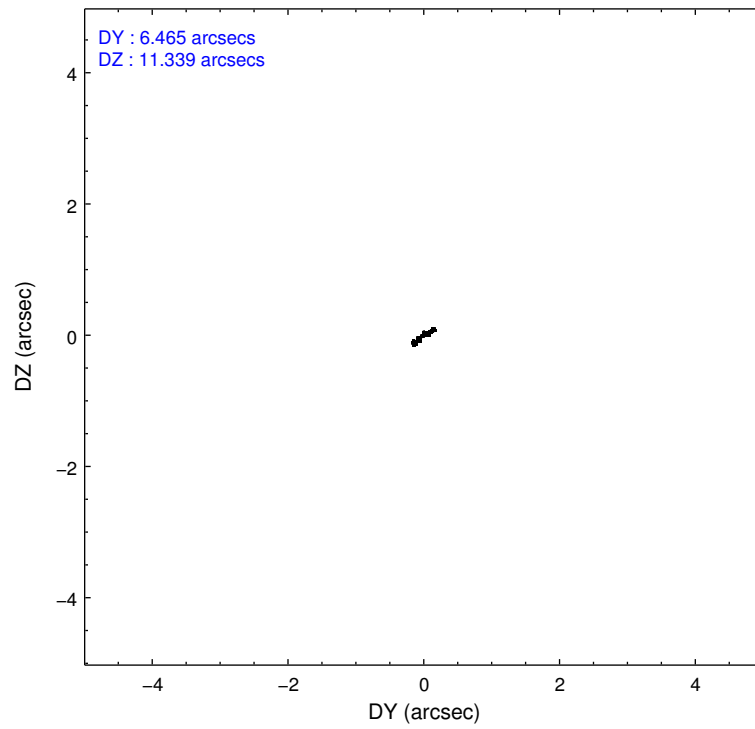
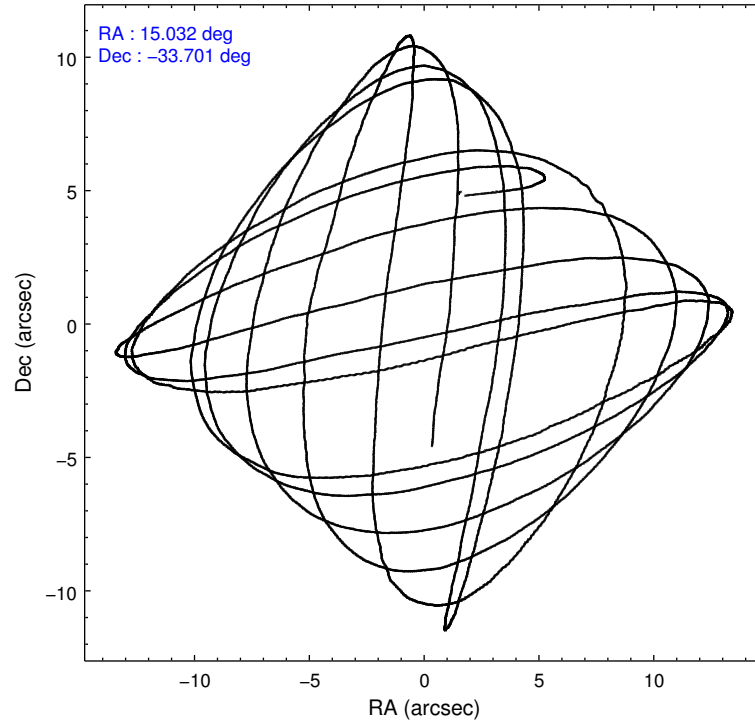
2.1.4 Events

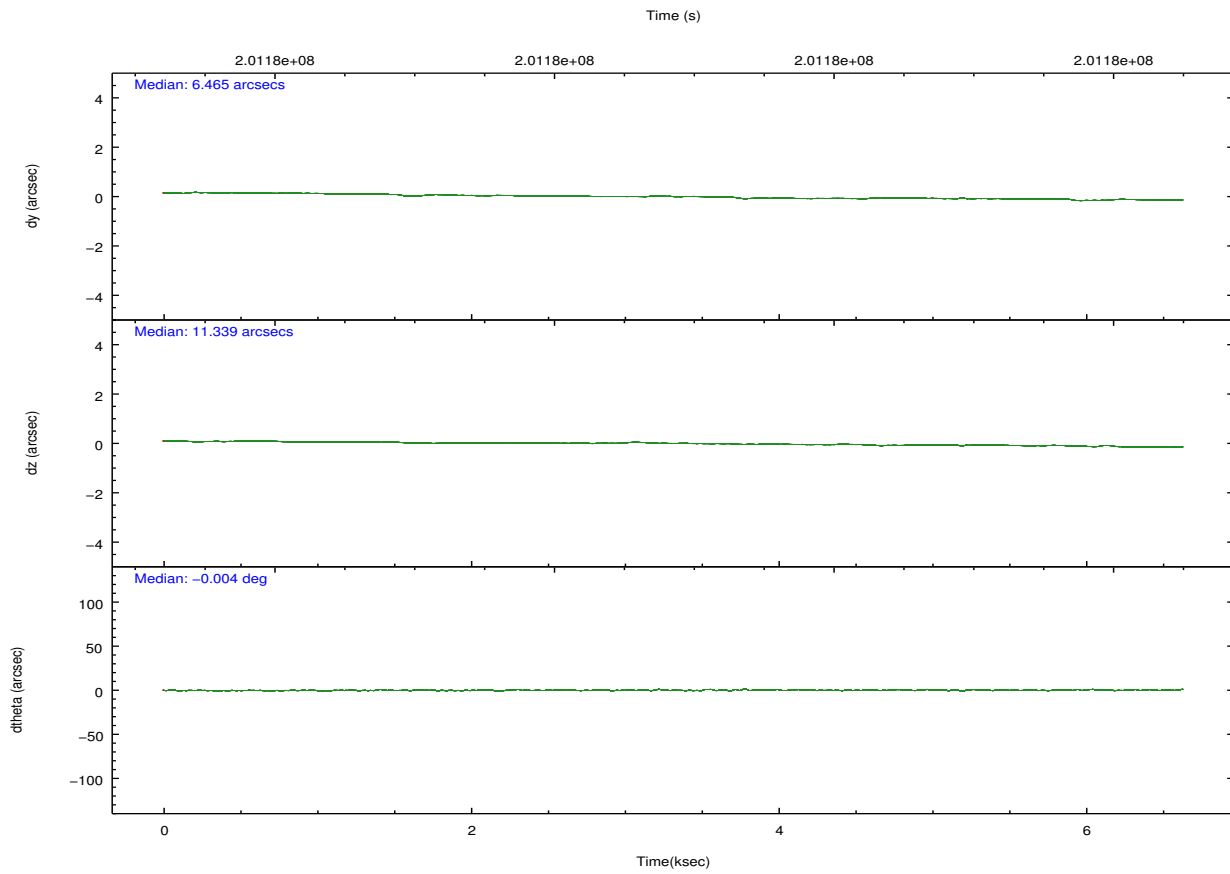
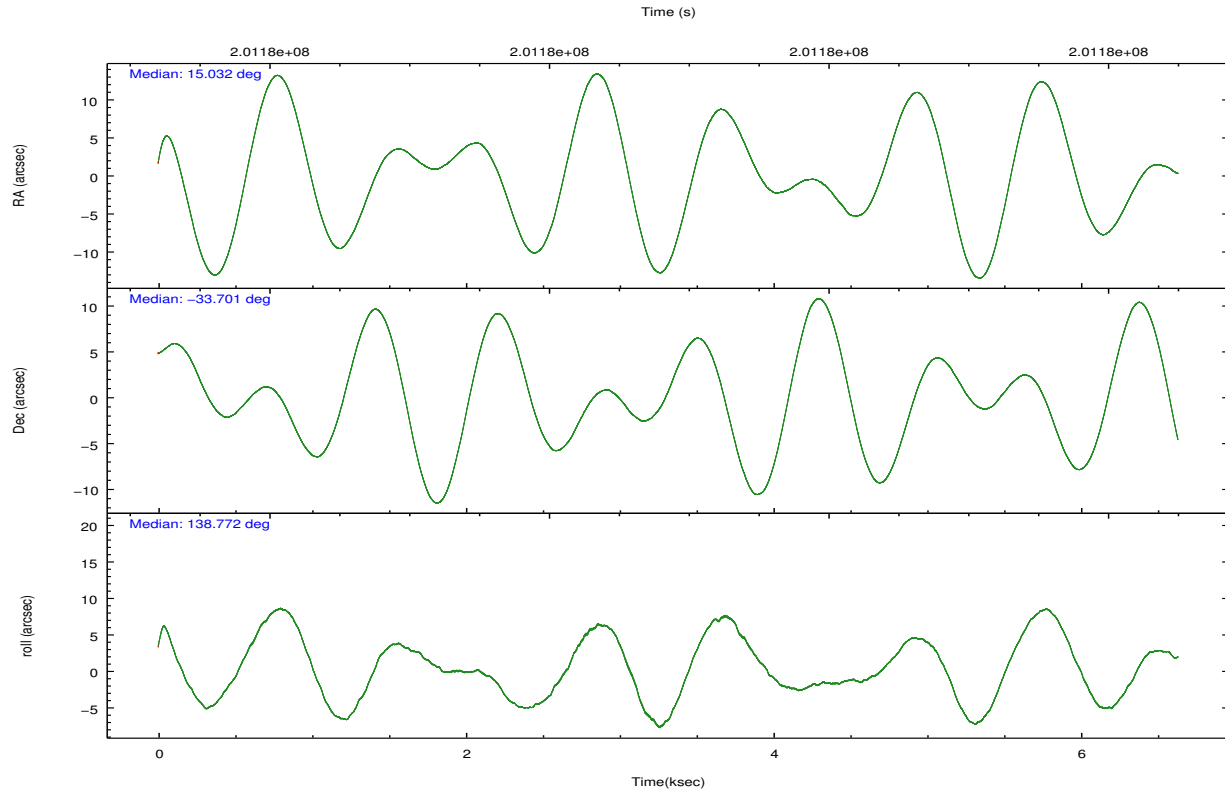
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	45008	42290	68570	44771	59757	57407	grade 0 events	2404	2337	3861	2101	2310	3823
rejected events	39664	37158	36662	39514	34999	45173		5%	5%	5%	4%	3%	6%
rejected %	88%	87%	53%	88%	58%	78%	grade 1 events	29	22	202	26	48	40
								0%	0%	0%	0%	0%	0%
							grade 2 events	1078	921	9294	1049	4891	2589
								2%	2%	13%	2%	8%	4%
							grade 3 events	476	458	1318	501	2084	1373
								1%	1%	1%	1%	3%	2%
							grade 4 events	455	558	1338	524	2123	1292
								1%	1%	1%	1%	3%	2%
							grade 5 events	1828	1926	4957	2073	5687	2732
								4%	4%	7%	4%	9%	4%
							grade 6 events	931	859	16114	1086	13359	3166
								2%	2%	23%	2%	22%	5%
							grade 7 events	37807	35209	31486	37411	29255	42392
								84%	83%	45%	83%	48%	73%

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	15.064087	15.03182959023977	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.706275	-33.701233889351	Alternating exposures requested	N	N
[deg] Pointing Roll	138.639090	138.7778123375837	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	201177939.184000	201176868.88116			
Observation start date	2004-05-17T10:44:35	2004-05-17T10:27:48			
[s] Observation end time (MET)	201184161.184000	201184675.2815			
Observation end date	2004-05-17T12:28:17	2004-05-17T12:37:55			
Read mode	TIMED	TIMED			

2.3 Aspect



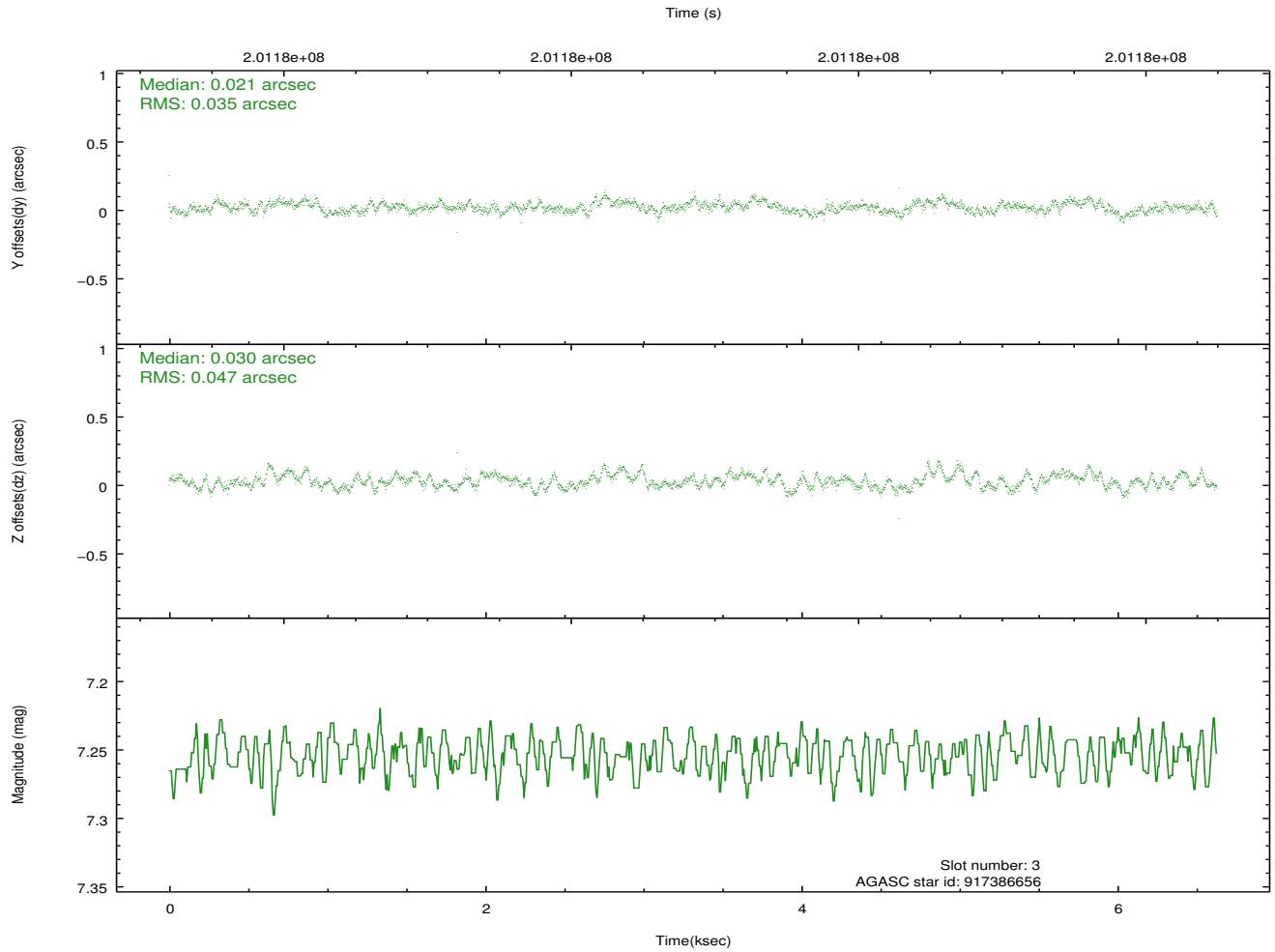
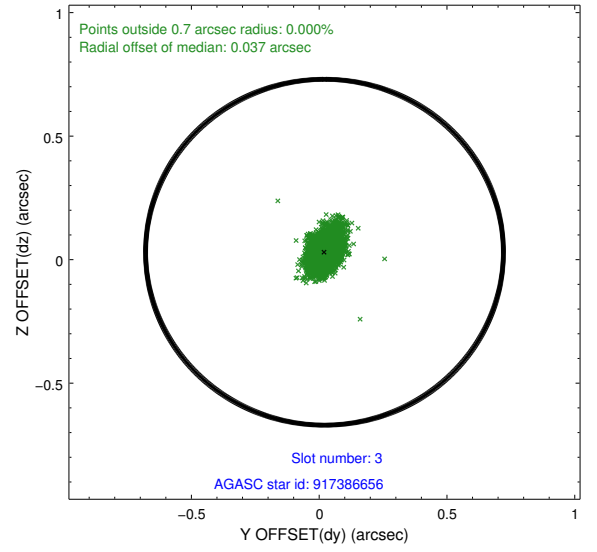
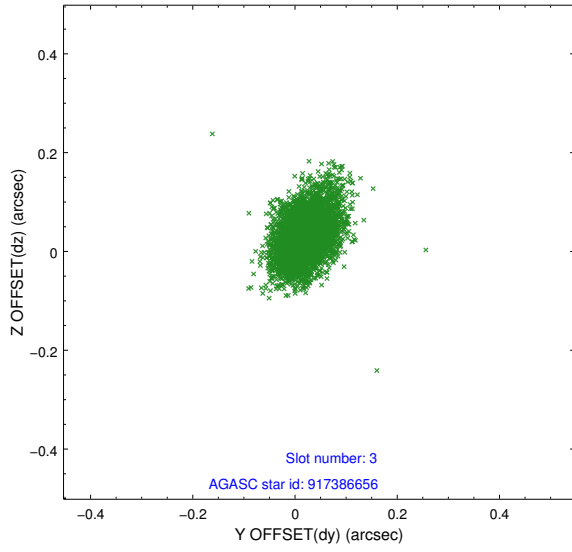


Slot Statistics

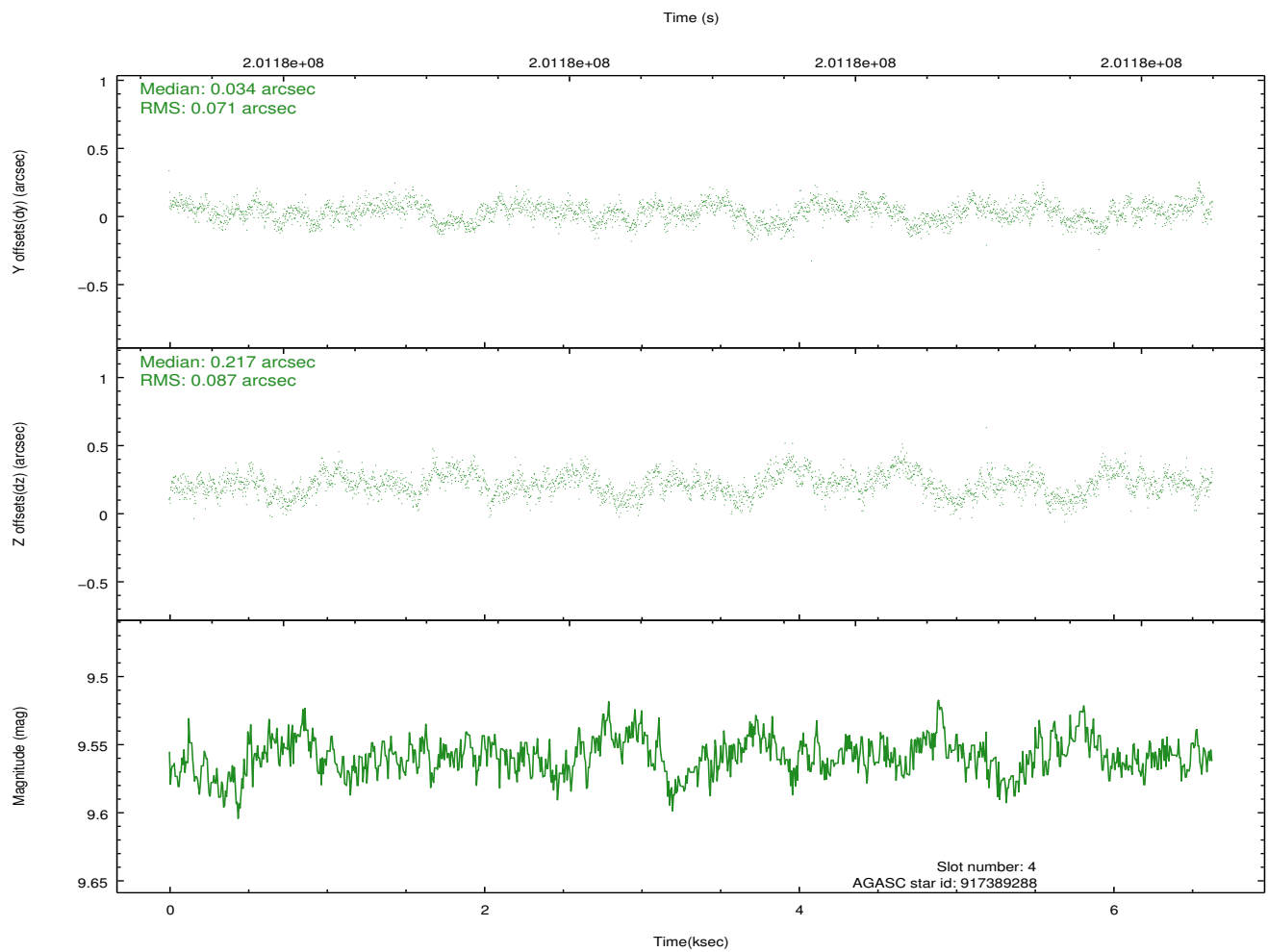
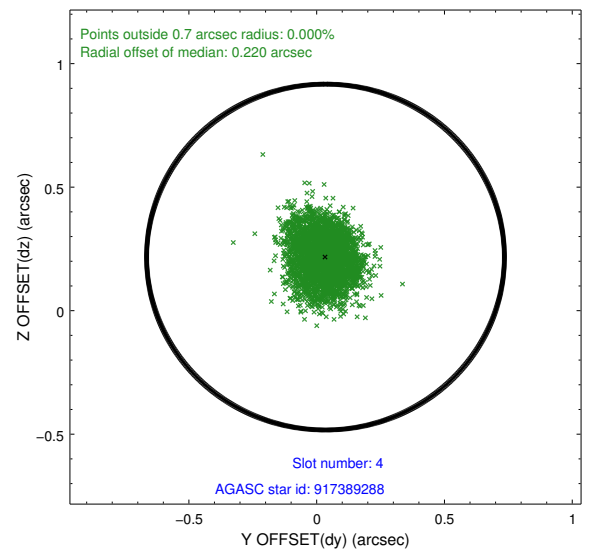
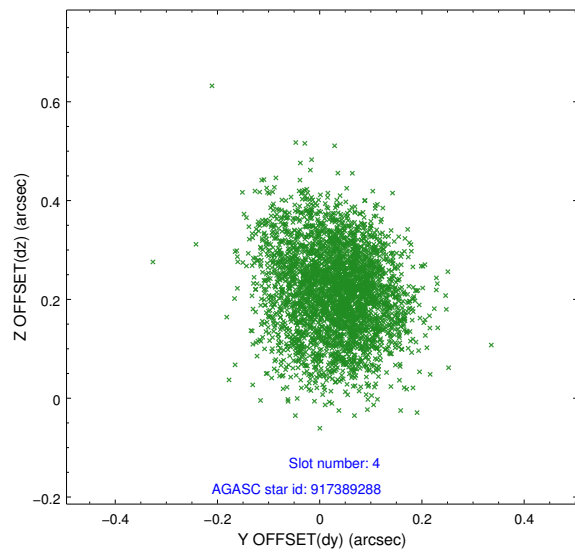
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1618	-0.050	-0.037	0.006	0.011	0.000000	0.000000	-759.24	-1732.59
1	FID	ACIS-S-4	7.20	1618	0.048	0.019	0.006	0.011	0.000000	0.000000	2153.73	175.04
2	FID	ACIS-S-6	7.34	1617	-0.026	0.025	0.007	0.012	0.000000	0.000000	403.89	813.44
3	GUIDE	917386656	7.25	3236	0.021	0.030	0.060	0.102	15.342124	-33.359890	195.82	-1487.31
4	GUIDE	917389288	9.56	3232	0.034	0.217	0.122	0.193	15.394706	-33.185862	489.44	-2063.07
5	GUIDE	917389592	9.99	3232	0.109	0.106	0.129	0.210	16.074673	-33.644125	-2134.88	-2158.73
6	GUIDE	917650528	8.72	3236	-0.135	-0.233	0.086	0.133	14.274554	-33.869842	1375.13	2007.73
7	GUIDE	917651768	9.62	3228	-0.024	-0.116	0.121	0.184	14.115744	-33.817552	1855.54	2185.69

2.4 Star Slots

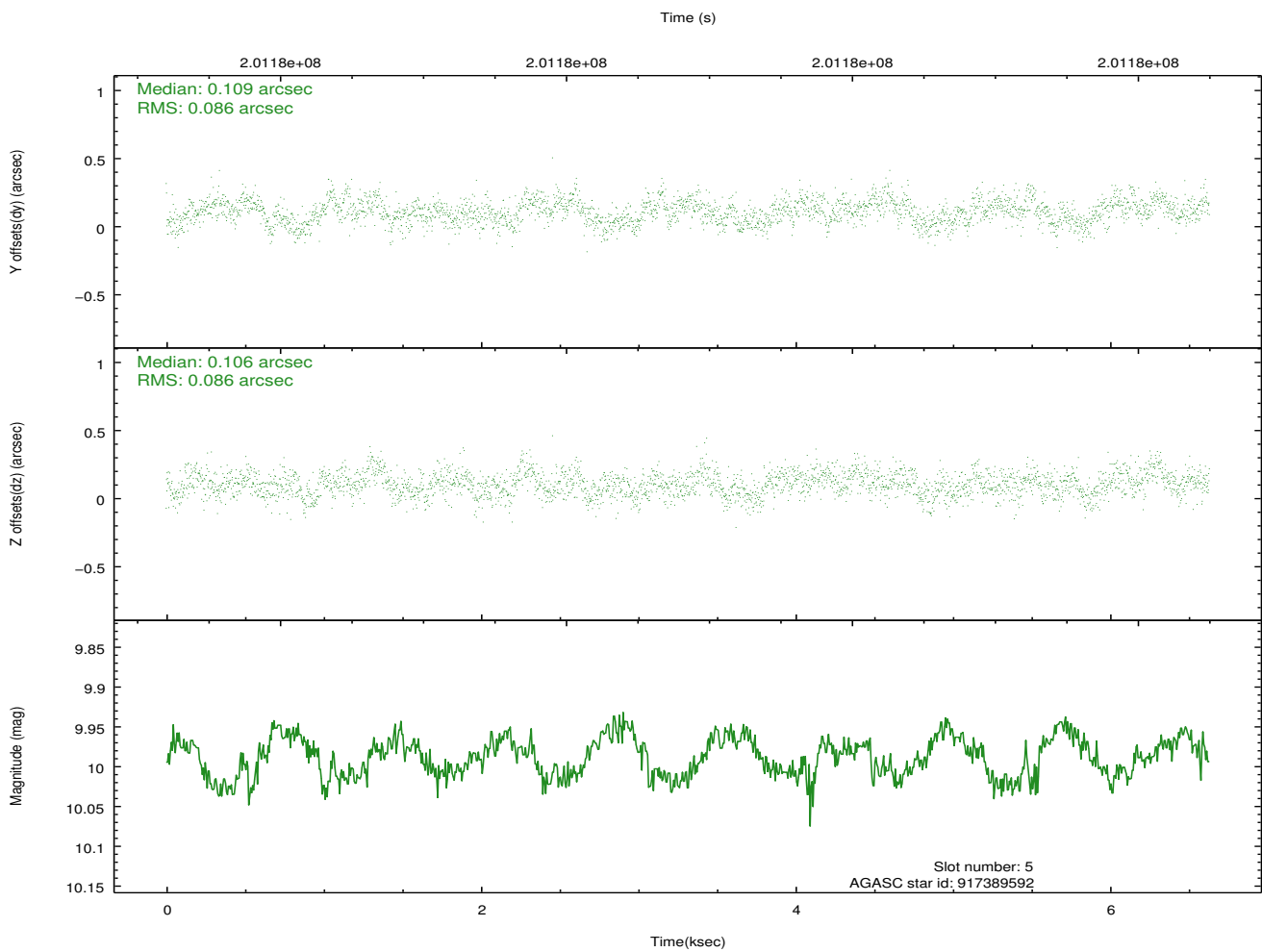
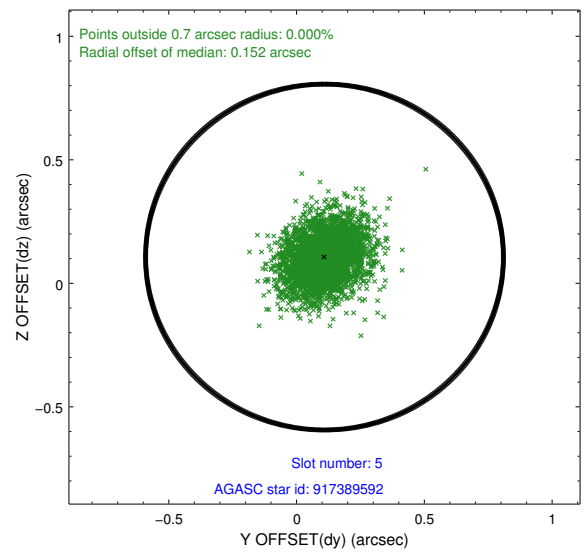
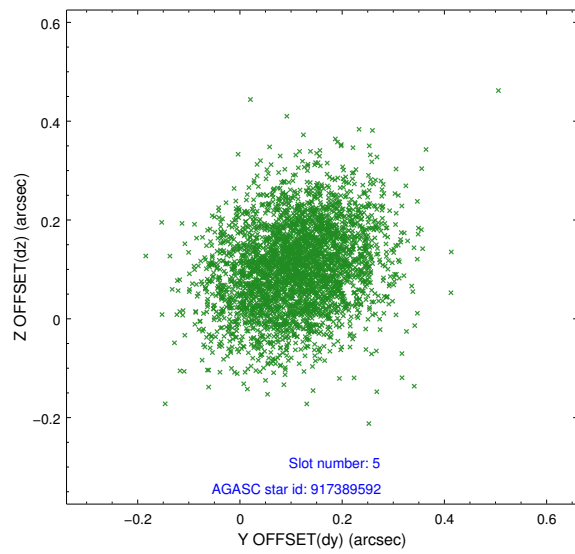
2.4.1 Slot 3



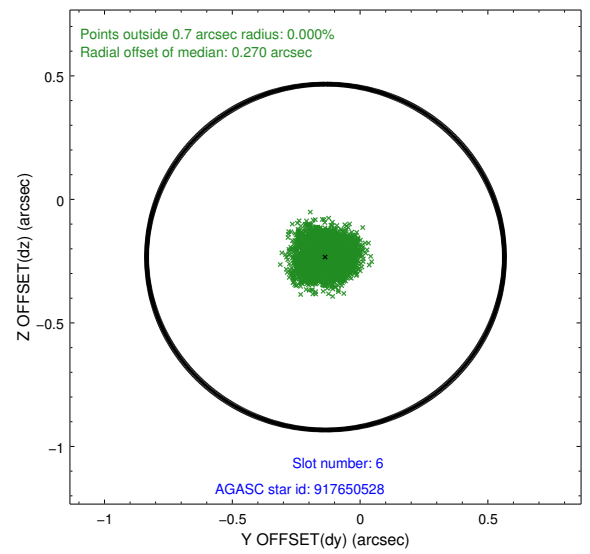
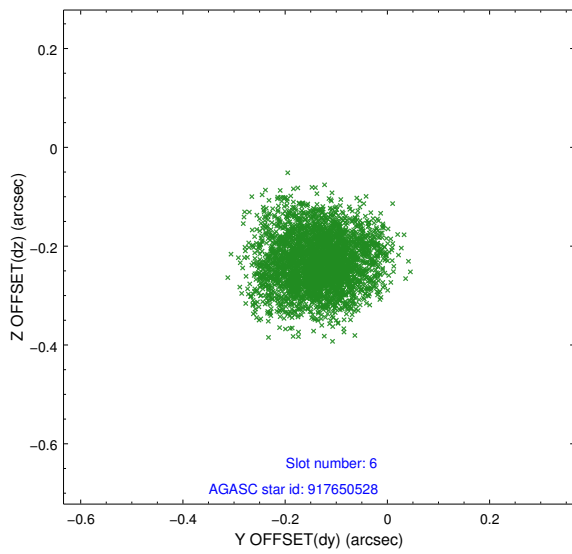
2.4.2 Slot 4



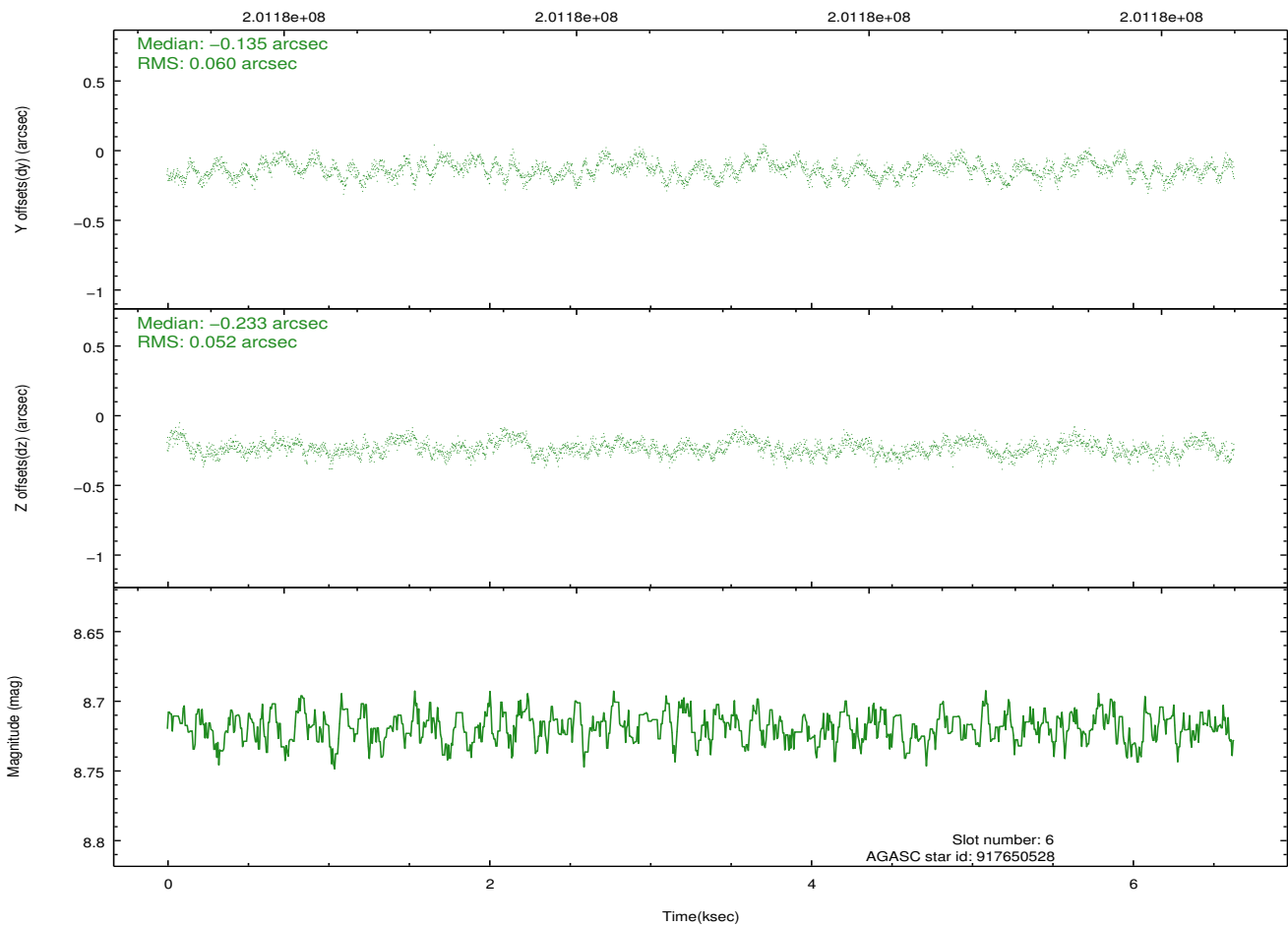
2.4.3 Slot 5



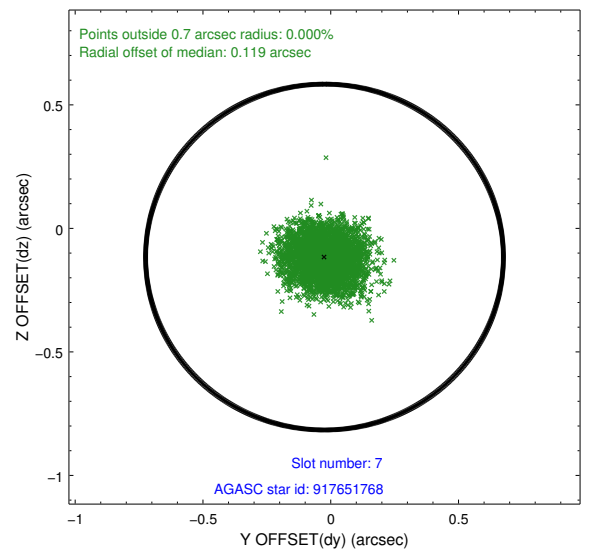
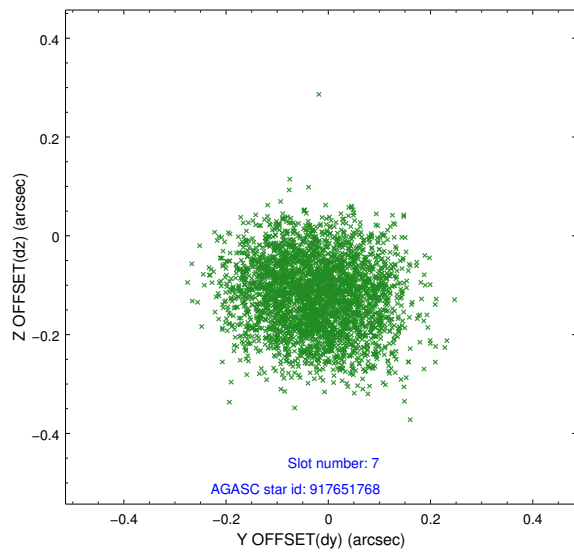
2.4.4 Slot 6



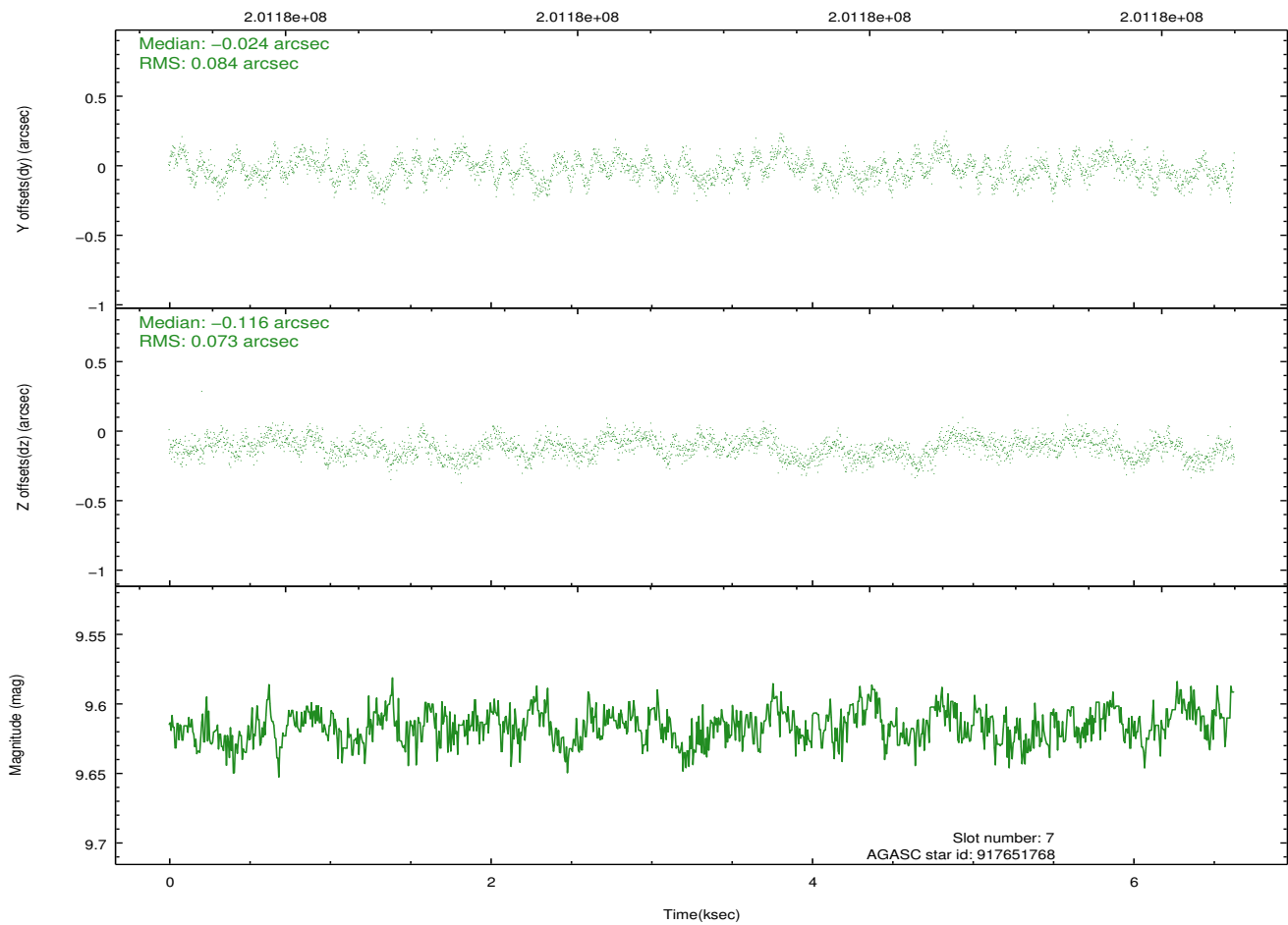
Time (s)



2.4.5 Slot 7

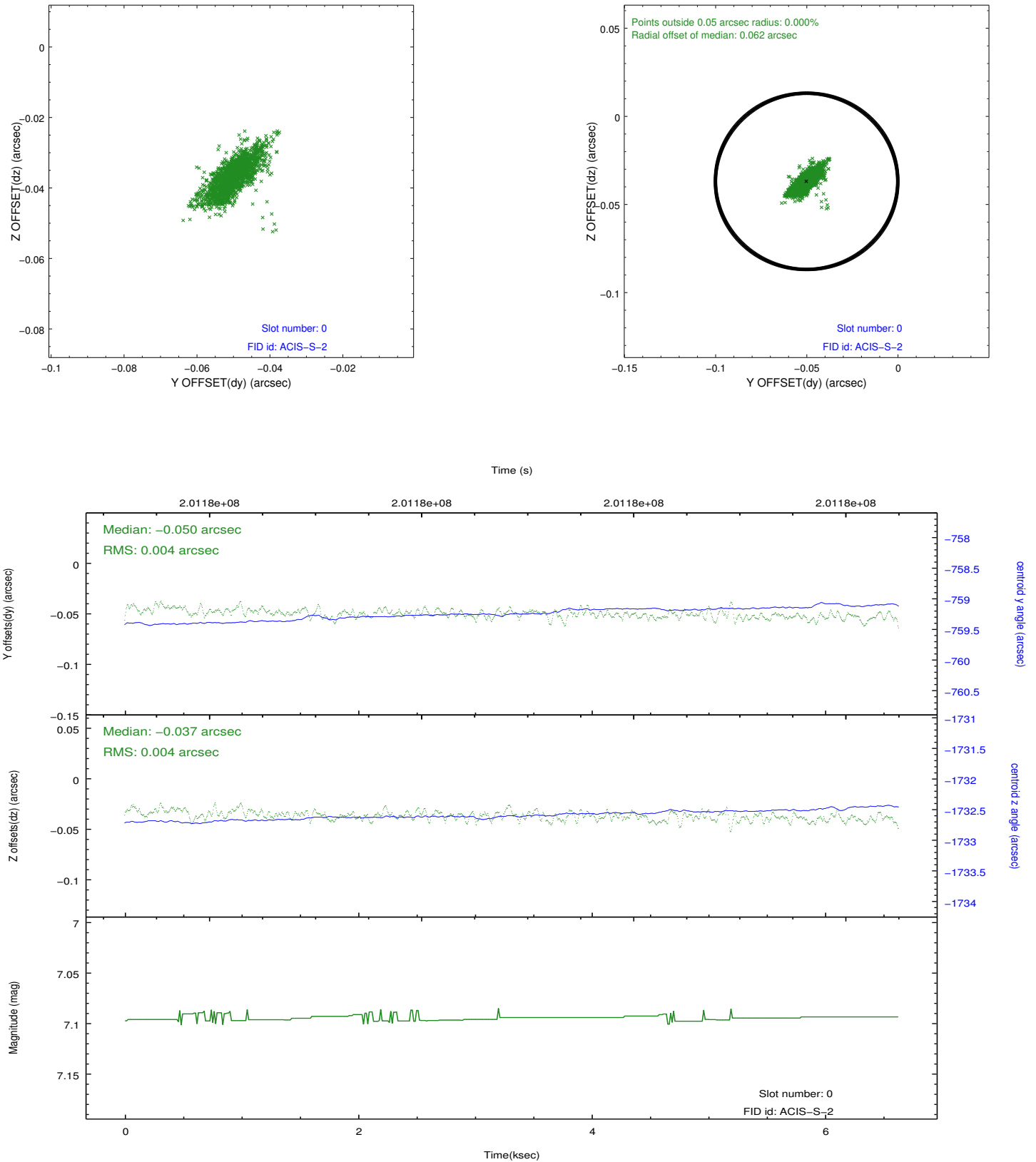


Time (s)

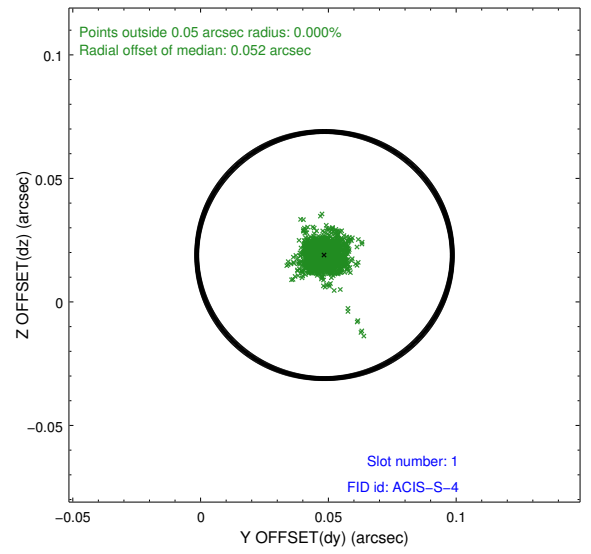
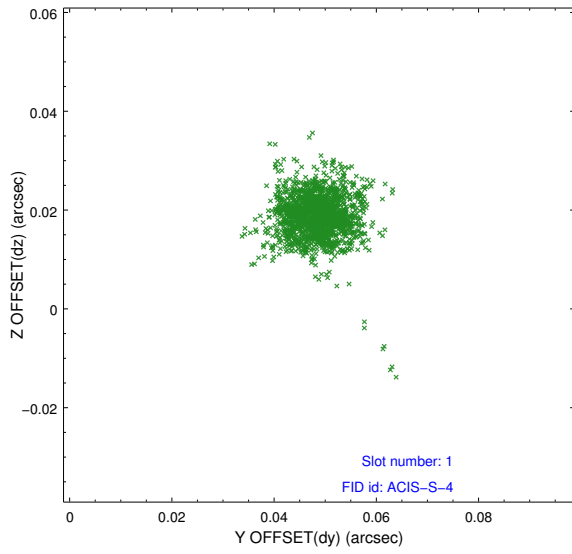


2.5 FID Slots

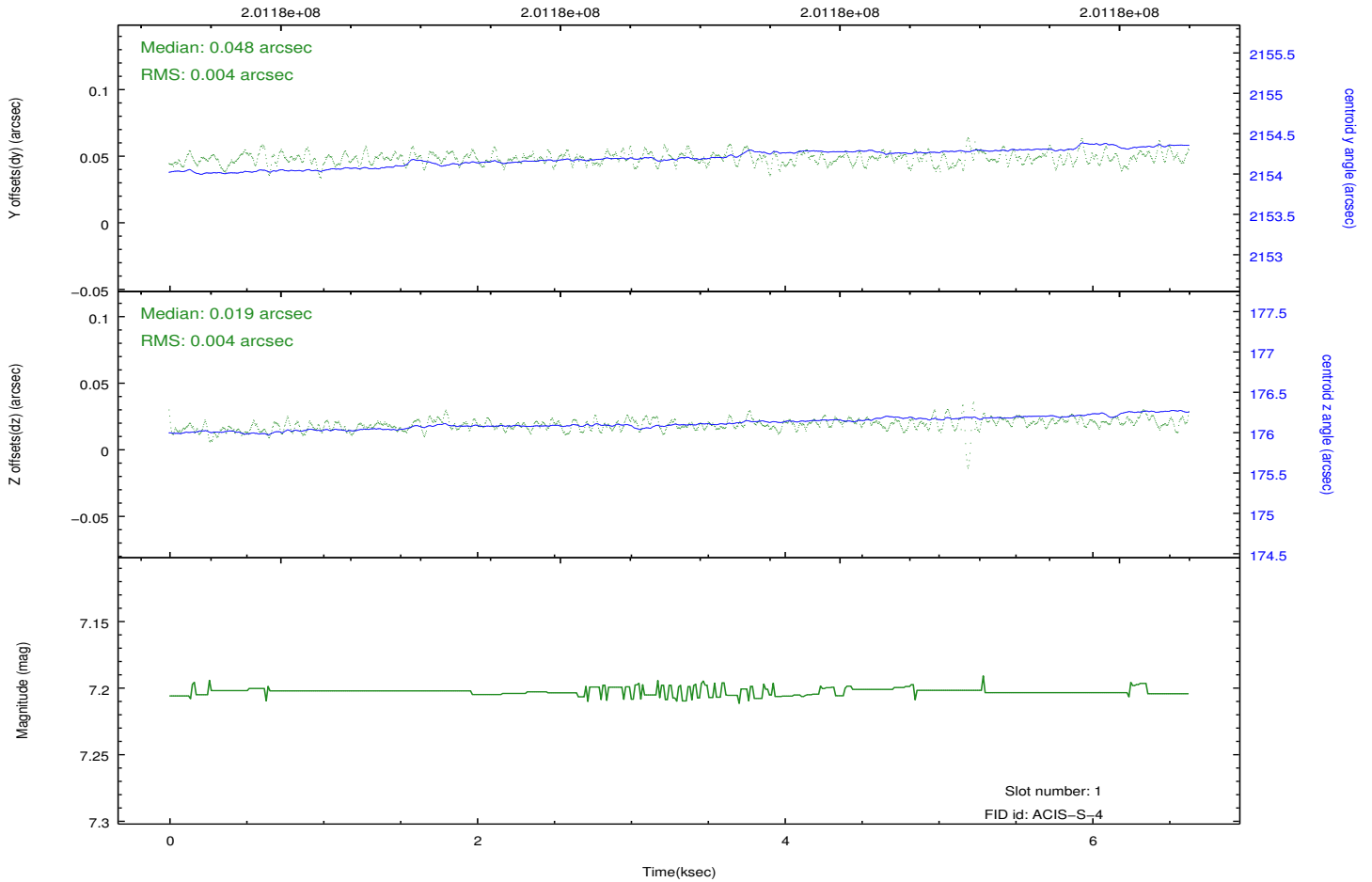
2.5.1 Slot 0



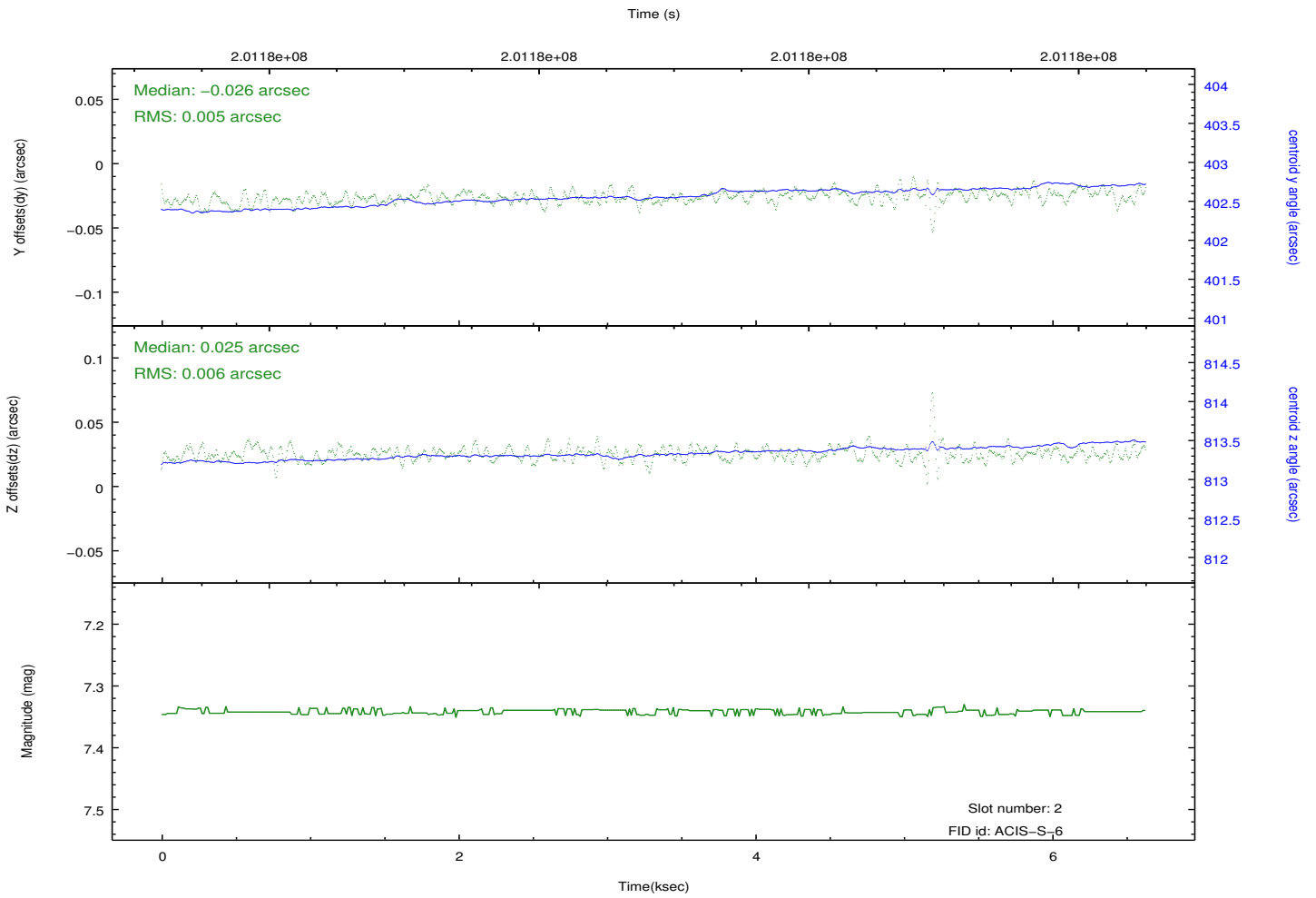
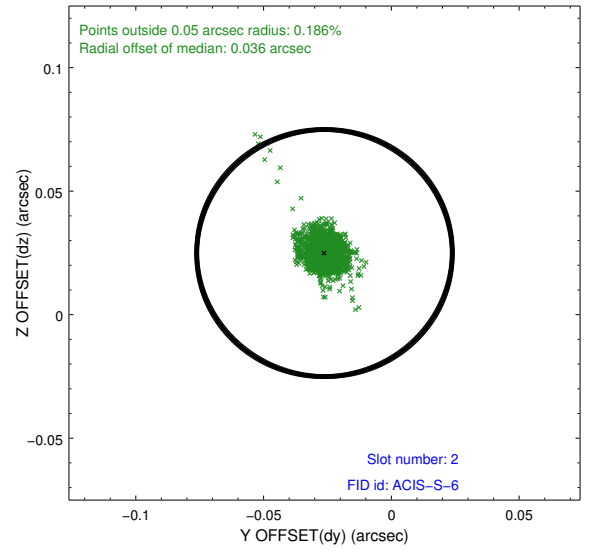
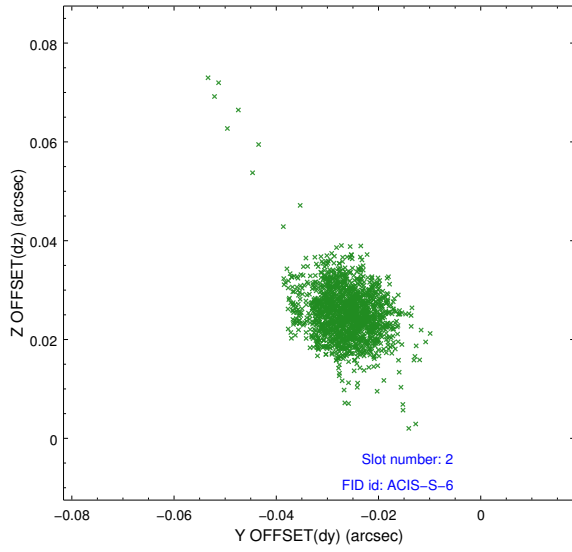
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.185

A.2 Comments

Monitor constraint met. Joint Proposal: NOAO