

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2275 - L2 Version 001
Chandra X-Ray Center

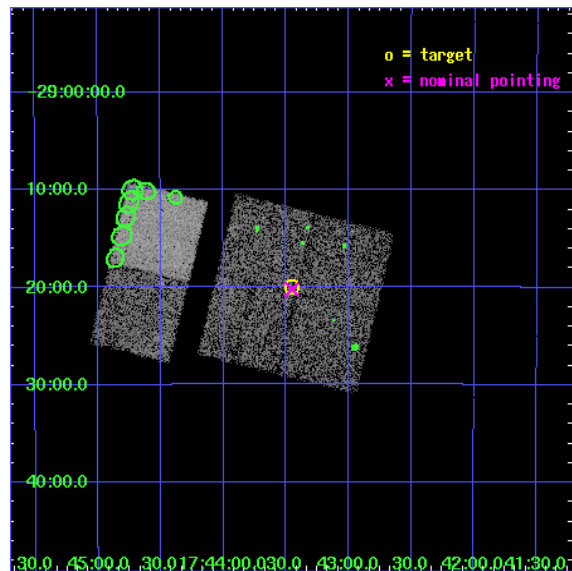
L2 Processing Date : Dec 14 2006

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1 Front

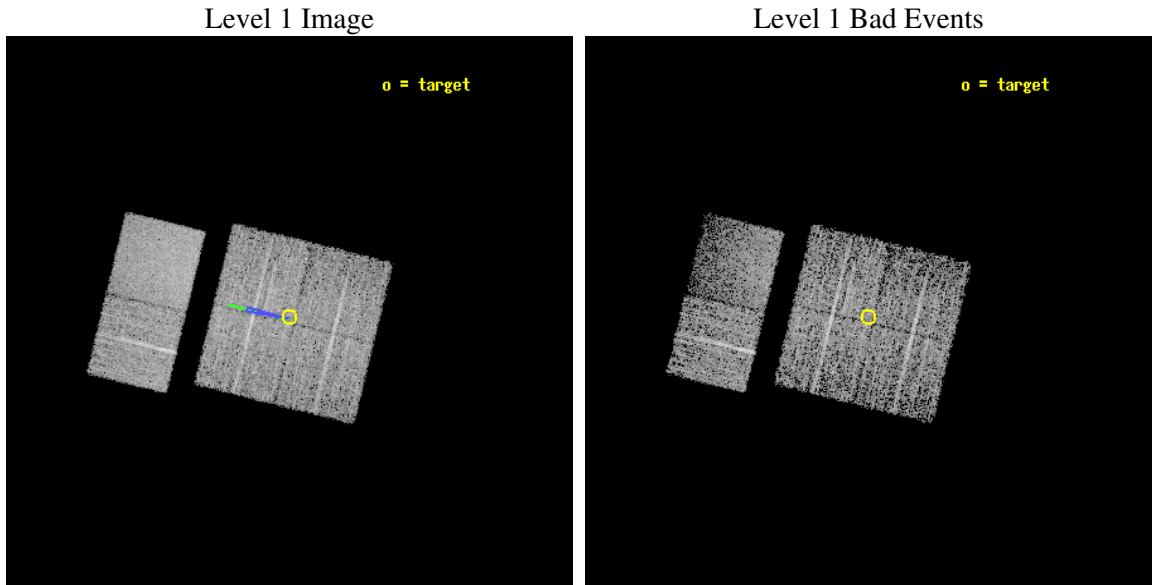
seq_num	900102
obs_id	2275
title	CHANDRA SURVEY OF THE GALACTIC RIDGE AROUND THE MILKY WAY CENTER
observer	Prof. Q. Daniel Wang
object	GCS 24
dtcycle	0
cycle	P
ra_targ	265.8644
dec_targ	-29.3328
ra_nom	265.86351903328
dec_nom	-29.337491589987
roll_nom	283.8072619048
revision	2
ontime	11743.795109794
livetime	11595.088104849
ontime0	11750.277090222
ontime1	11740.554149464
ontime2	11734.072149172
ontime3	11743.795109794
ontime6	11732.818482965
ontime7	11752.305394456
l2events	46386



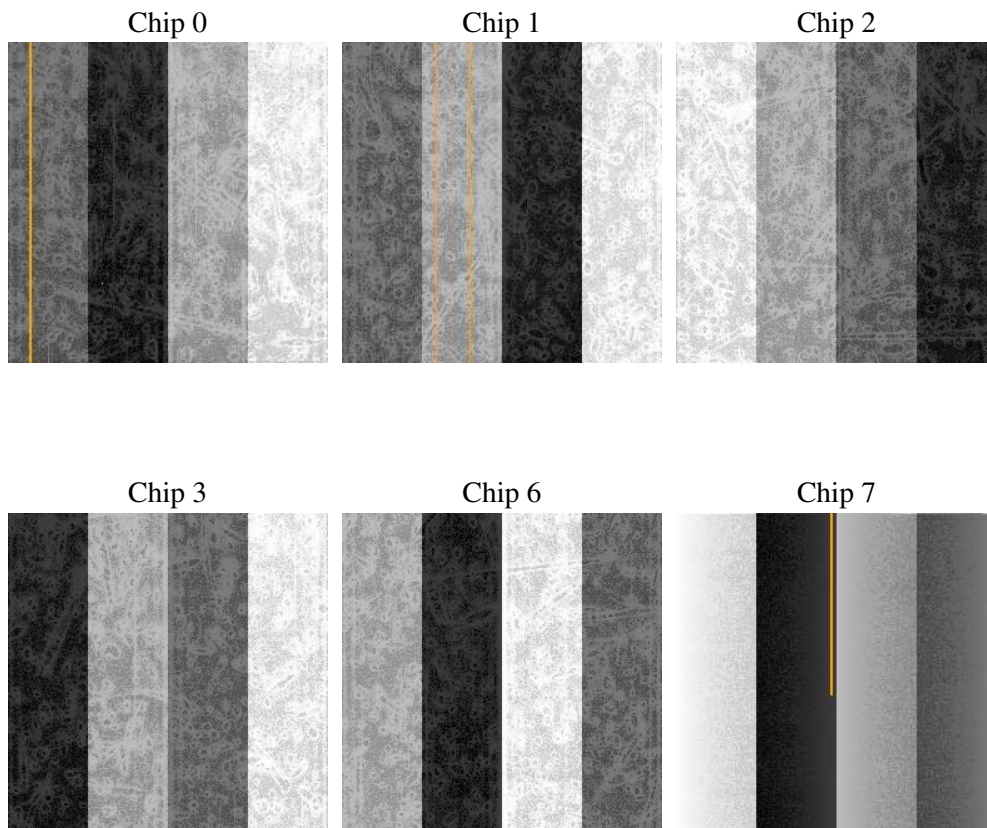
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2006-12-14T14:20:32
revision	2

sched_exp_time	12000.000000
ontime	11748.650349274
ontime0	11755.132329702
ontime1	11745.409388945
ontime2	11738.927388653
ontime3	11748.650349274
ontime6	11735.686418295
ontime7	11755.132289782
l1events	194117

2.1.4 Events

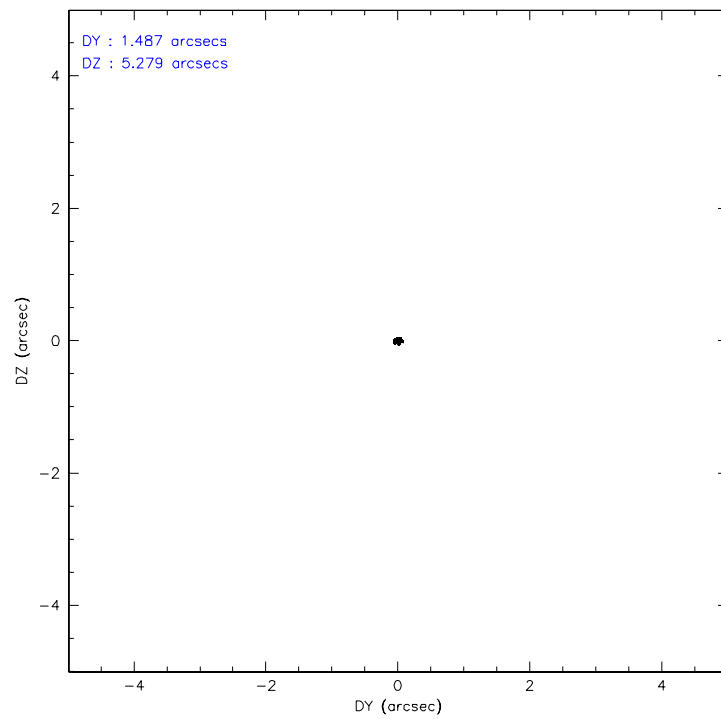
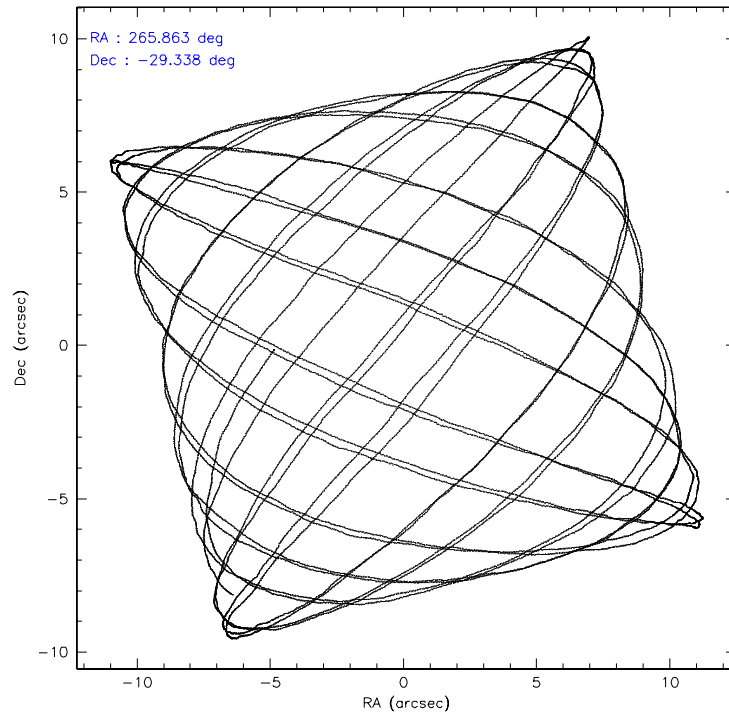
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	28386	27607	31912	32084	34372	39756
rejected events	22997	22099	26151	26145	27845	19434
rejected %	81%	80%	81%	81%	81%	48%

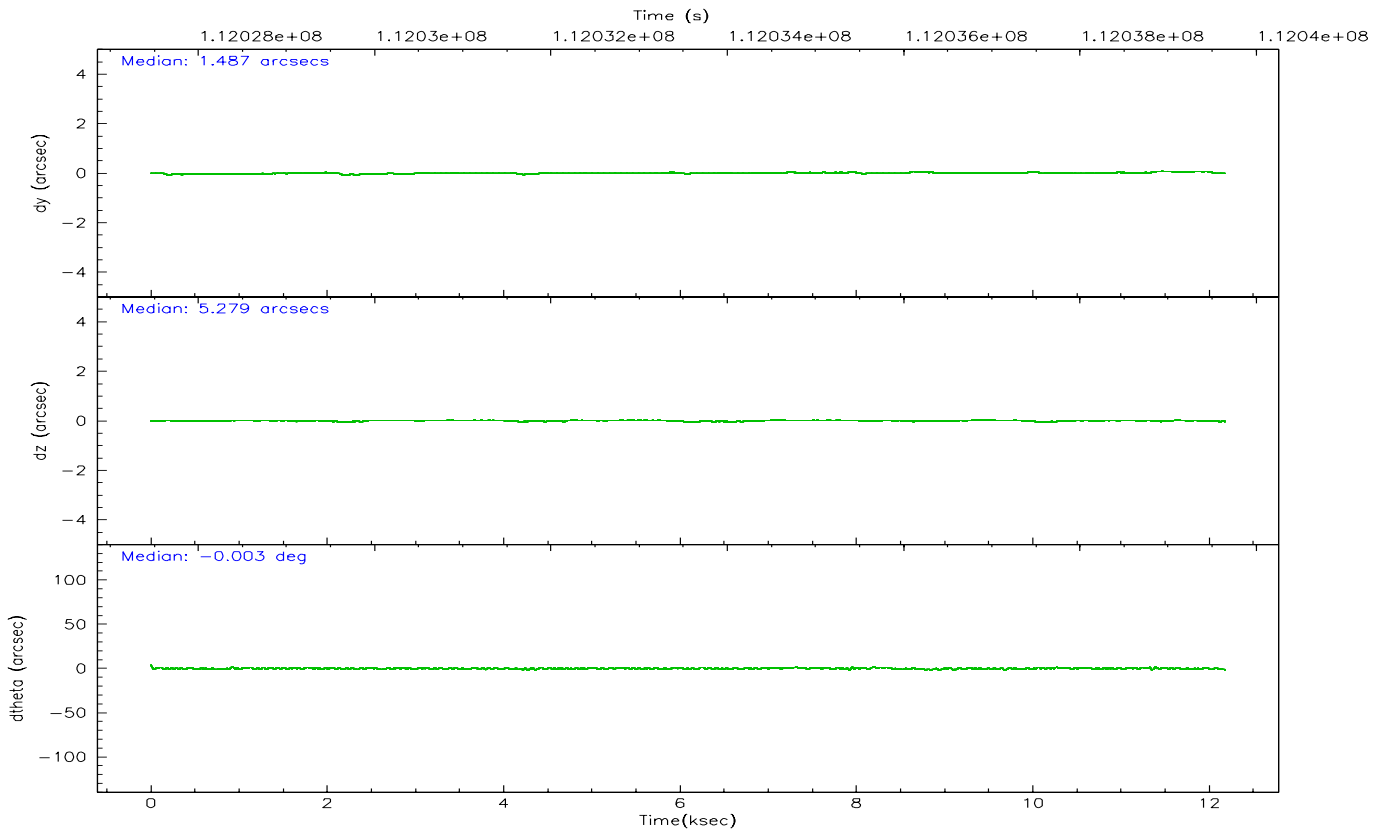
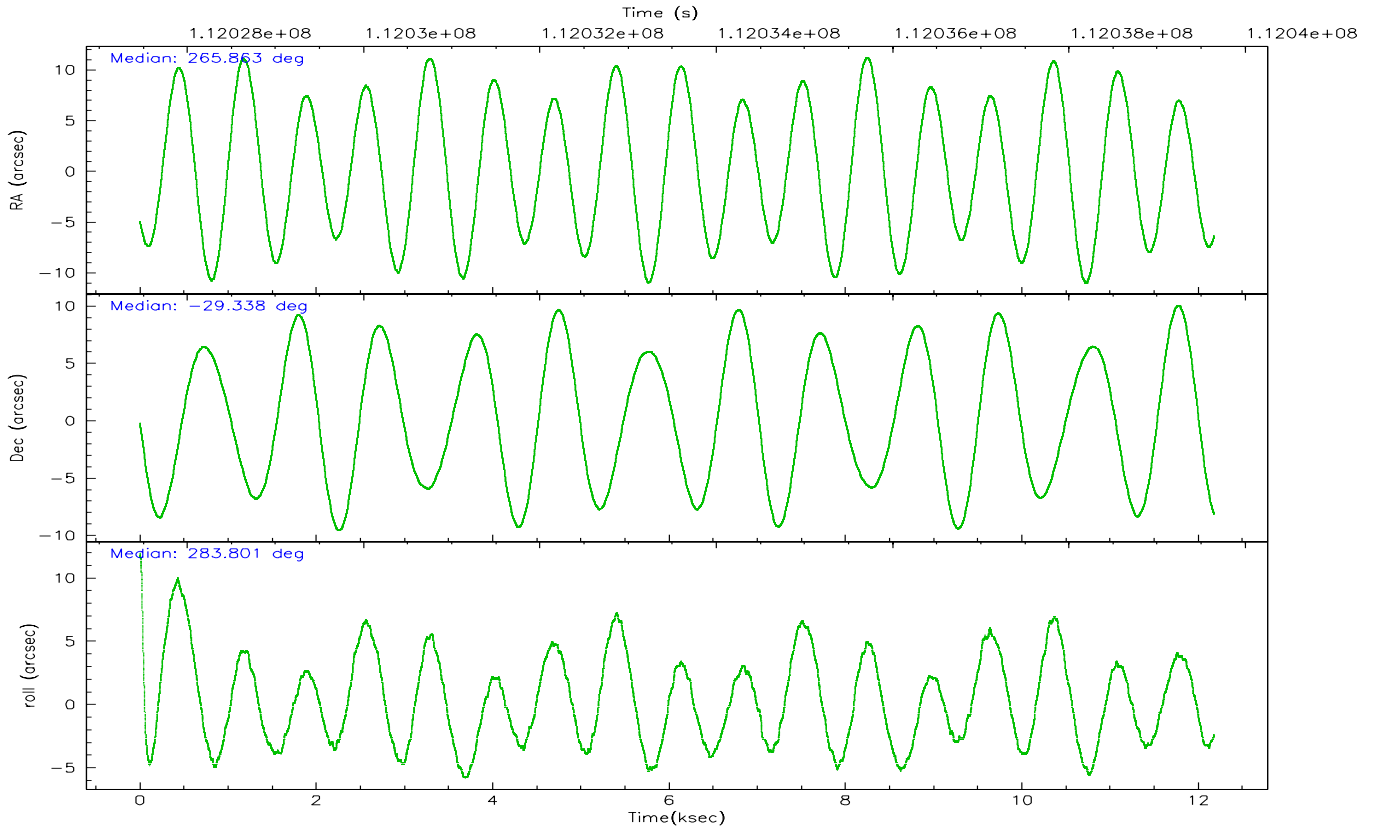
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2484	2509	2844	2879	3079	1497
	8%	9%	8%	8%	8%	3%
grade 1 events	30	26	23	35	36	31
	0%	0%	0%	0%	0%	0%
grade 2 events	1106	1060	1149	1143	1300	5192
	3%	3%	3%	3%	3%	13%
grade 3 events	499	490	462	509	563	1156
	1%	1%	1%	1%	1%	2%
grade 4 events	449	503	459	485	523	1152
	1%	1%	1%	1%	1%	2%
grade 5 events	1246	1313	1133	1384	1435	3314
	4%	4%	3%	4%	4%	8%
grade 6 events	851	953	862	926	1070	11333
	2%	3%	2%	2%	3%	28%
grade 7 events	21721	20753	24980	24723	26366	16081
	76%	75%	78%	77%	76%	40%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
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
Pointing RA	265.841722	265.8635190332842	Subarray requested	NONE	NONE
Pointing Dec	-29.317694	-29.33749158998651	Alternating exposures requested	N	N
Pointing Roll	283.587895	283.8072619047965	Primary exposure time	0.000000	3.2
Roll angle	283.600000	283.600000			
Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	112027646.184000	112027270.29793			
Observation start date	2001-07-20T14:46:22	2001-07-20T14:41:10			
Observation end time	112039646.184000	112039780.42342			
Observation end date	2001-07-20T18:06:22	2001-07-20T18:09:40			
Read mode	TIMED	TIMED			

2.3 Aspect



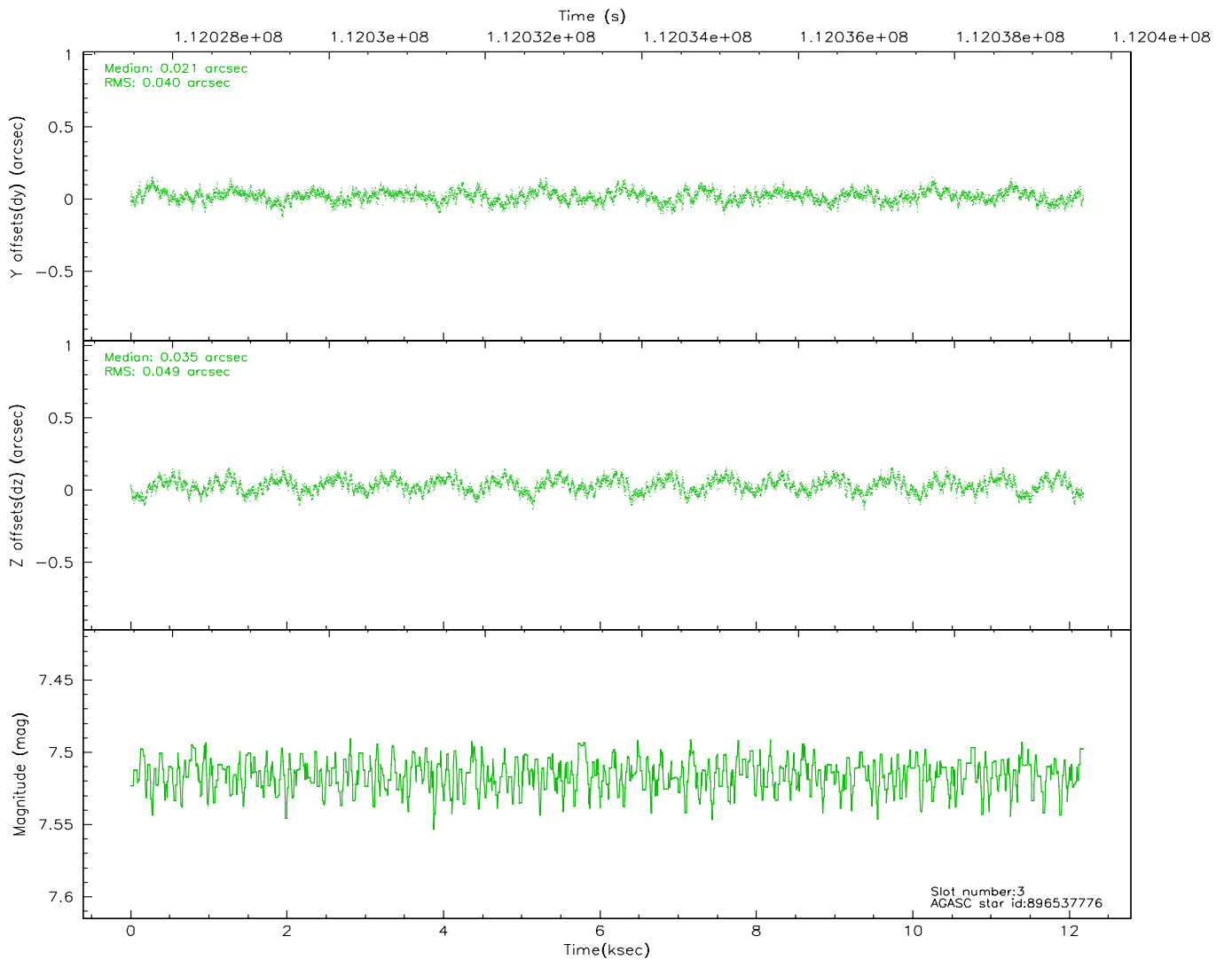
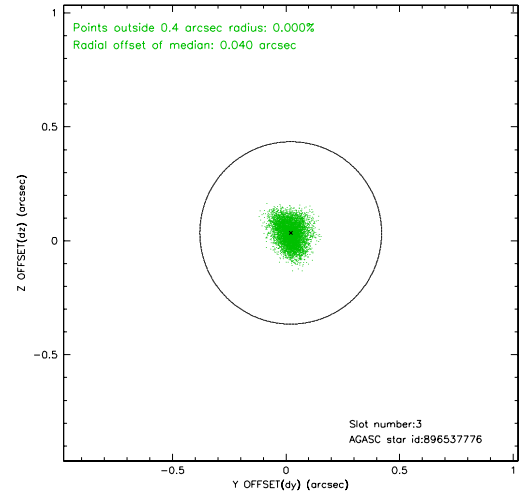
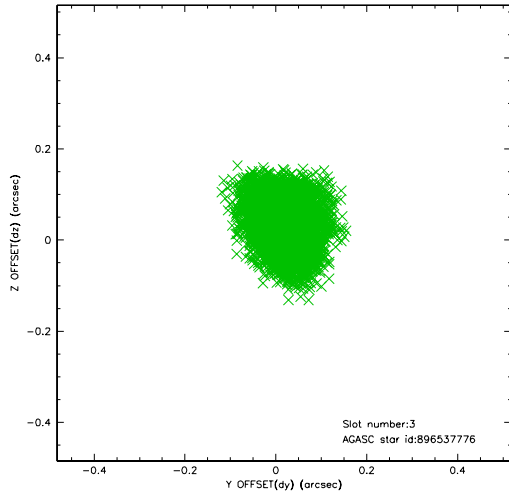


Slot Statistics

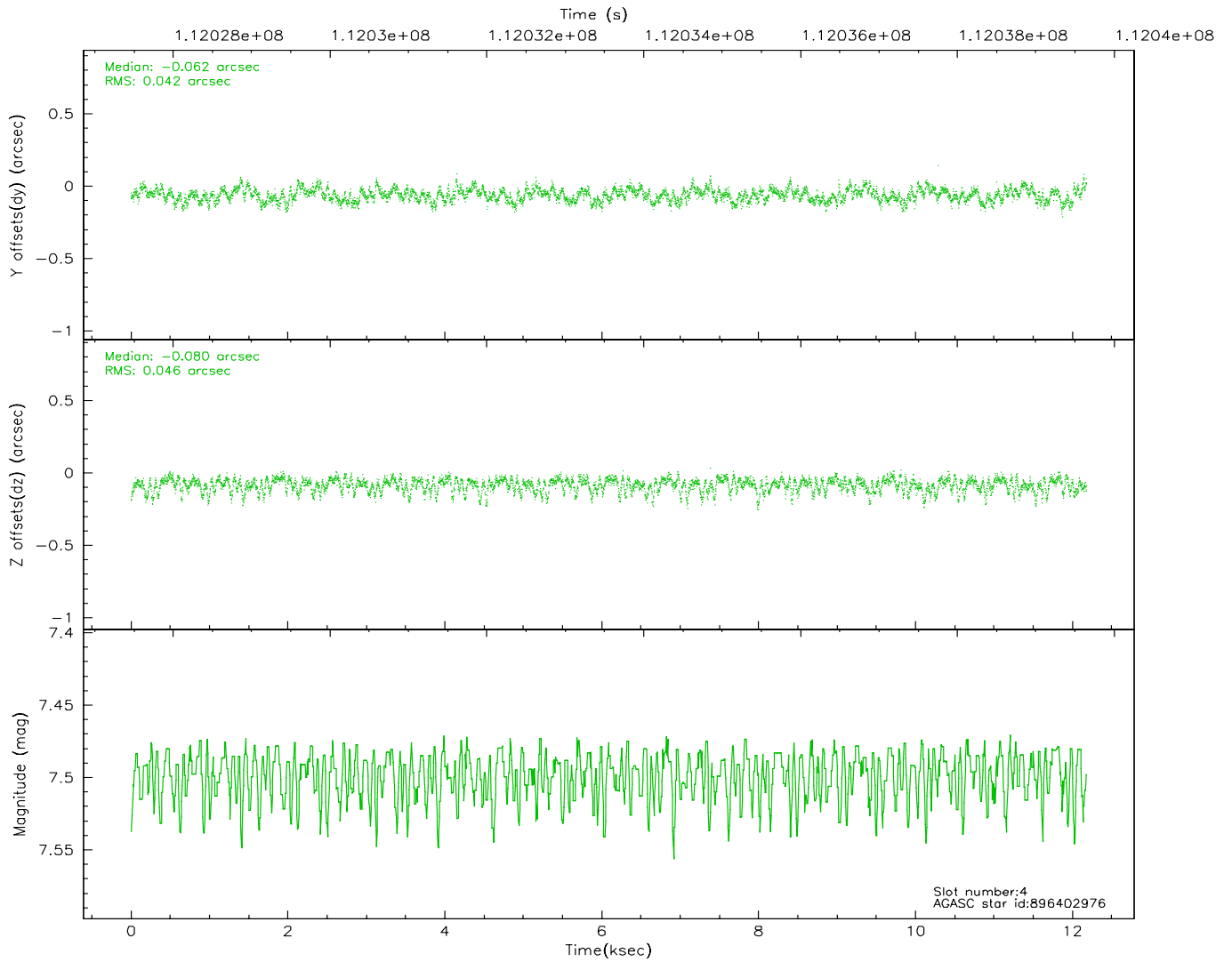
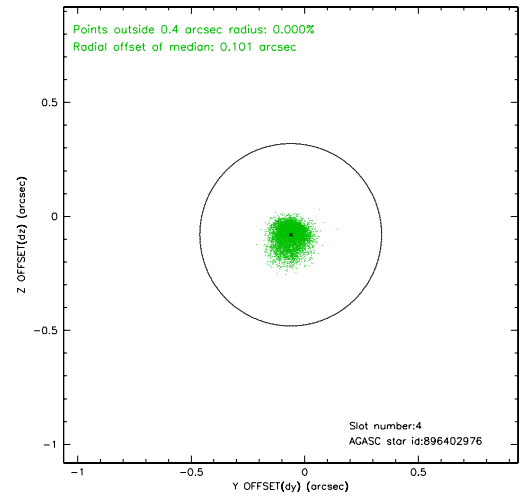
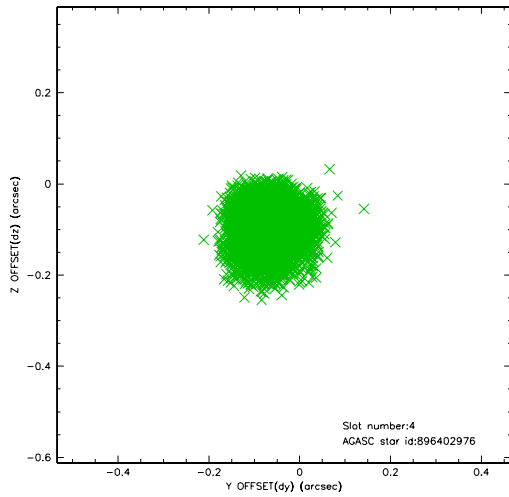
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	2964	-0.014	-0.025	0.008	0.015	0.000000	0.000000	-755.83	-835.02
1	FID	ACIS-I-4	7.19	2950	-0.073	0.025	0.005	0.009	0.000000	0.000000	2157.96	1071.03
2	FID	ACIS-I-5	7.23	2953	-0.014	0.069	0.008	0.014	0.000000	0.000000	-1809.15	1069.34
3	GUIDE	896537776	7.52	5909	0.021	0.035	0.069	0.107	266.655684	-29.665673	1824.12	2179.47
4	GUIDE	896402976	7.50	5923	-0.062	-0.080	0.066	0.109	265.099474	-28.923203	-1922.51	-1940.76
5	GUIDE	896536320	8.98	5917	0.015	0.051	0.139	0.208	266.369048	-29.307026	354.51	1617.63
6	GUIDE	896405480	8.24	5930	-0.012	0.043	0.065	0.106	265.220460	-29.599691	535.03	-2128.92
7	GUIDE	896538920	8.91	5928	0.040	-0.038	0.064	0.107	266.278728	-29.143592	-284.17	1482.48

2.4 Star Slots

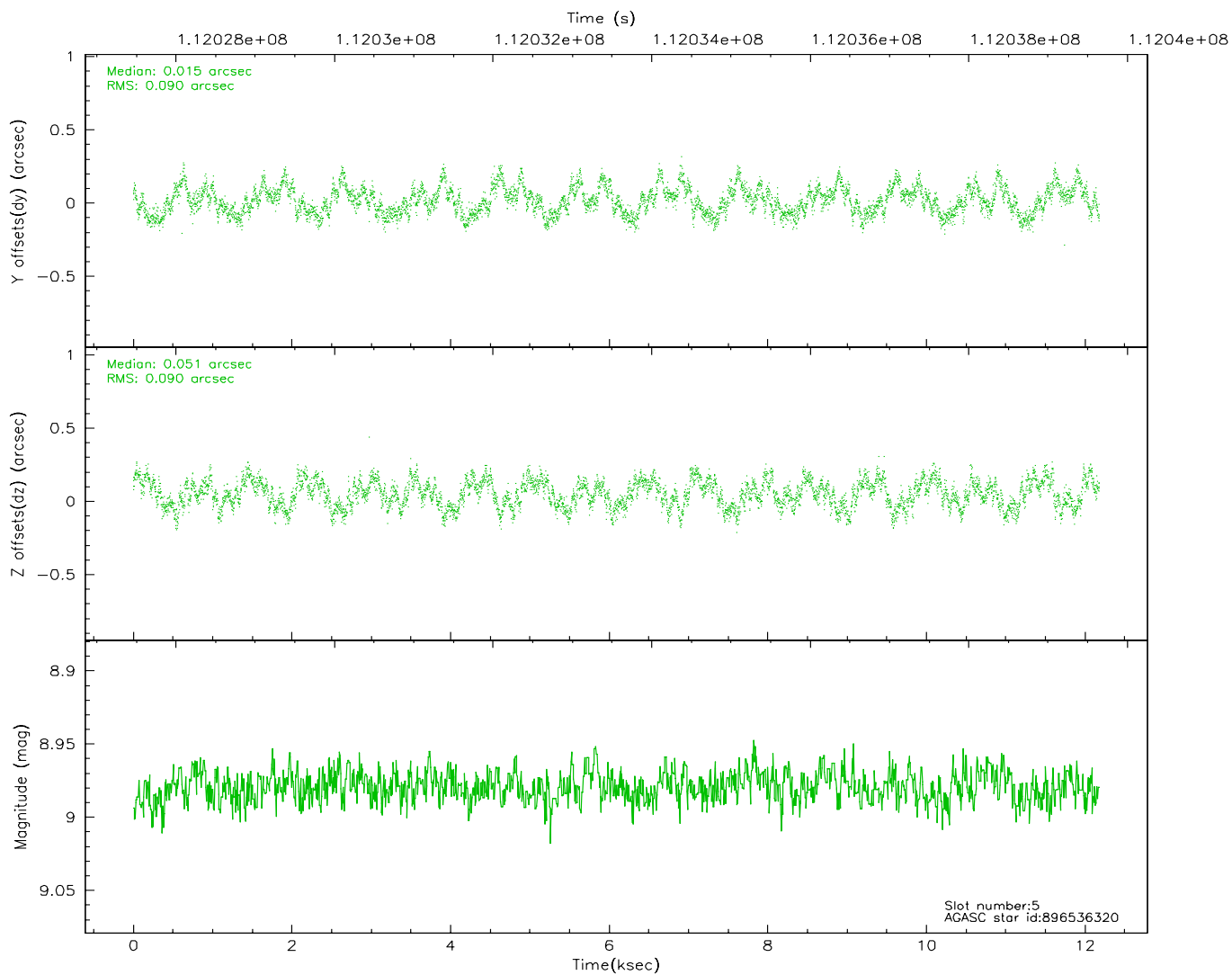
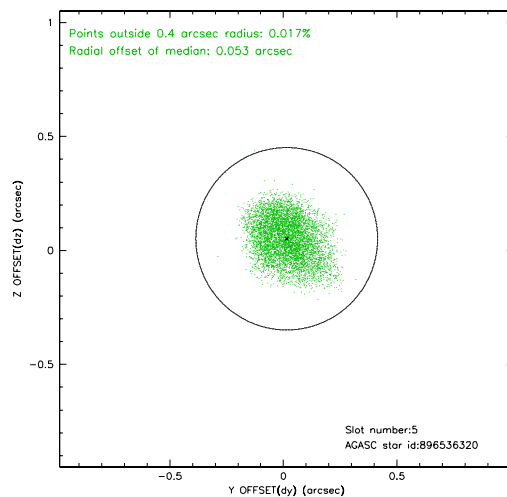
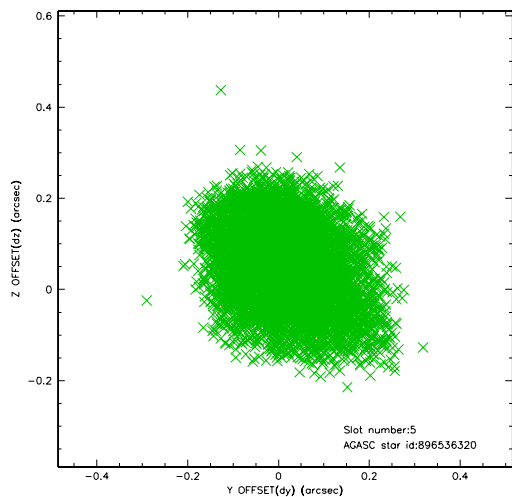
2.4.1 Slot 3



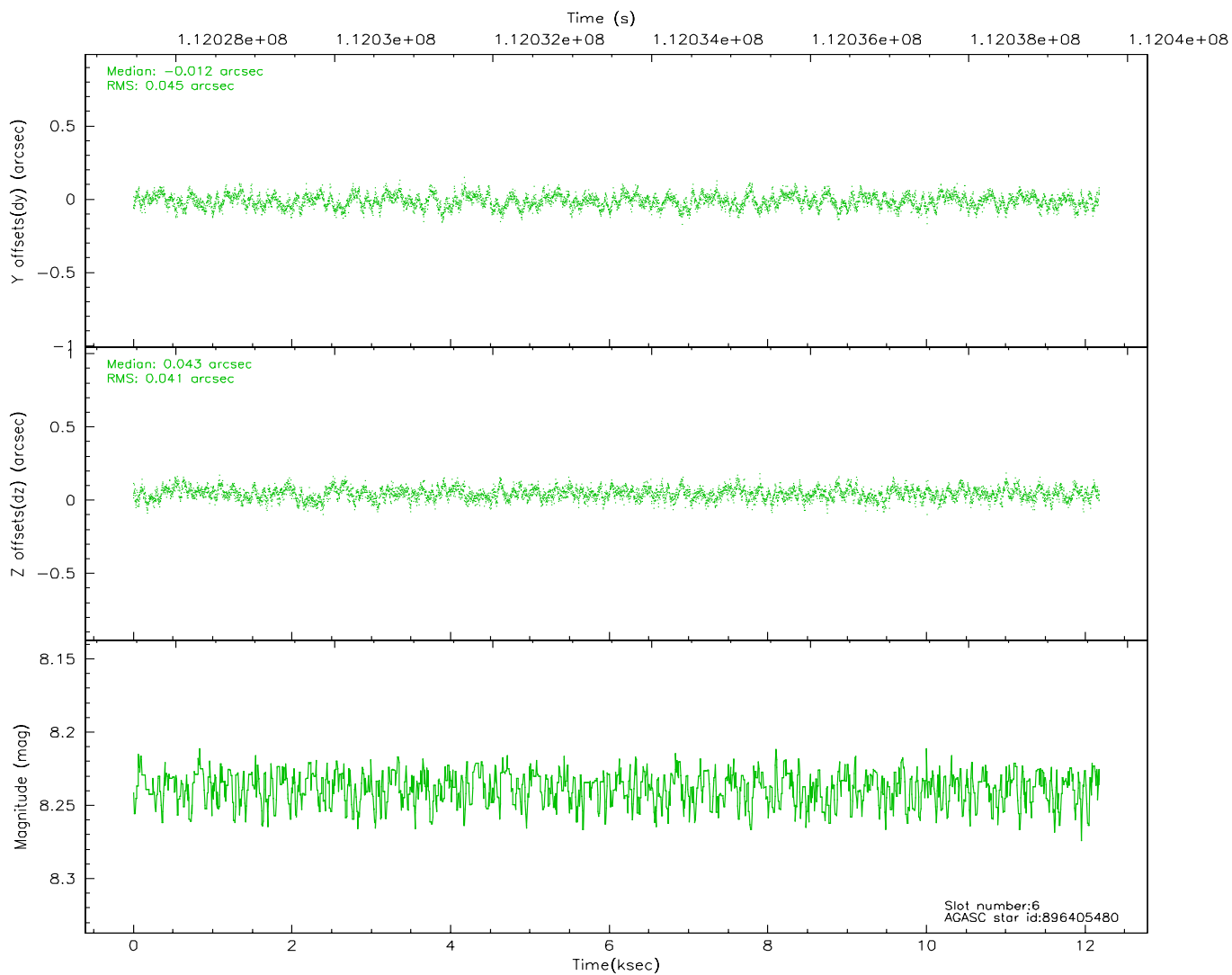
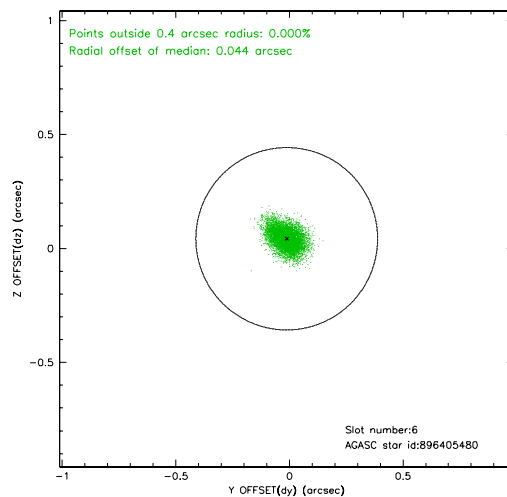
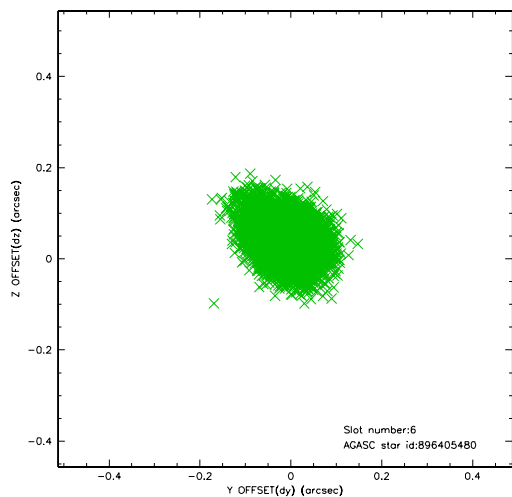
2.4.2 Slot 4



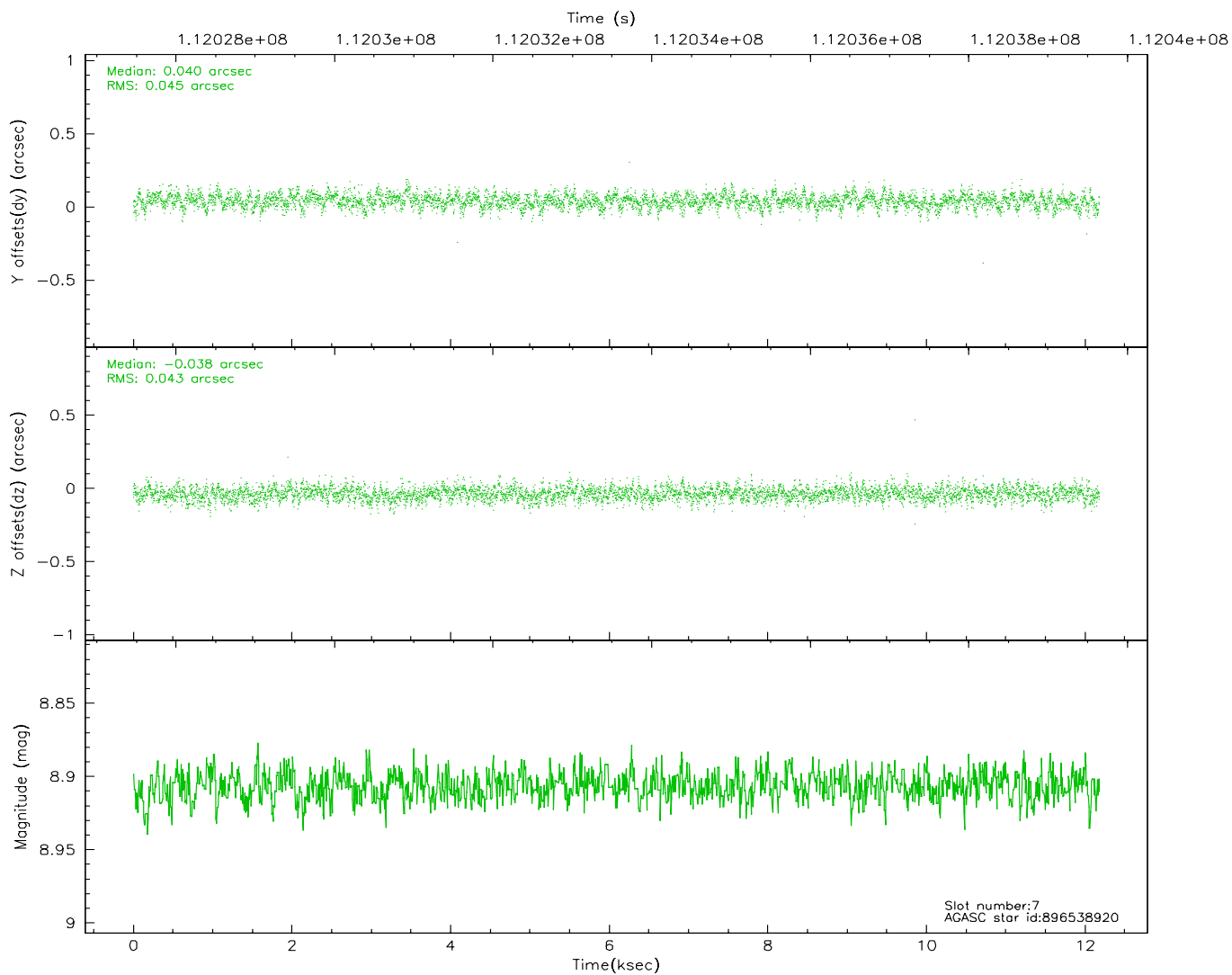
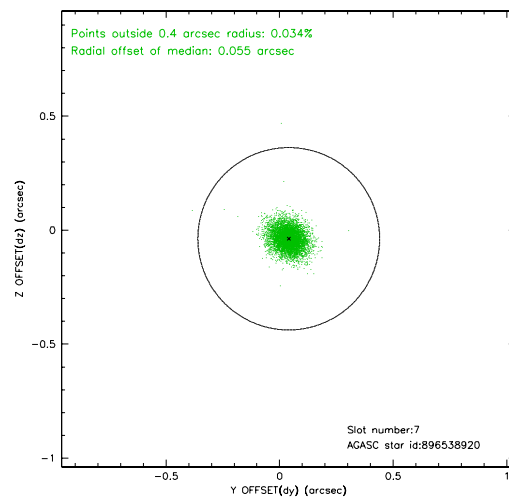
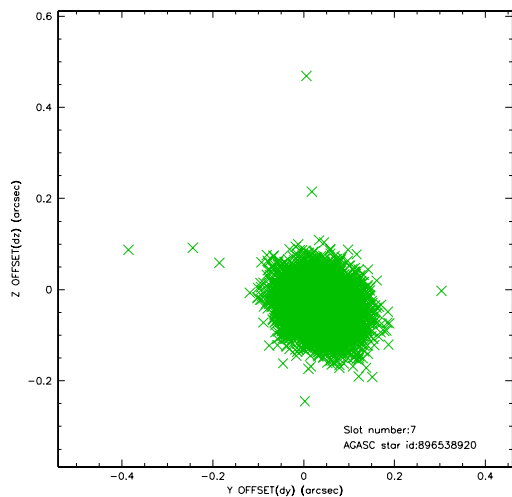
2.4.3 Slot 5



2.4.4 Slot 6

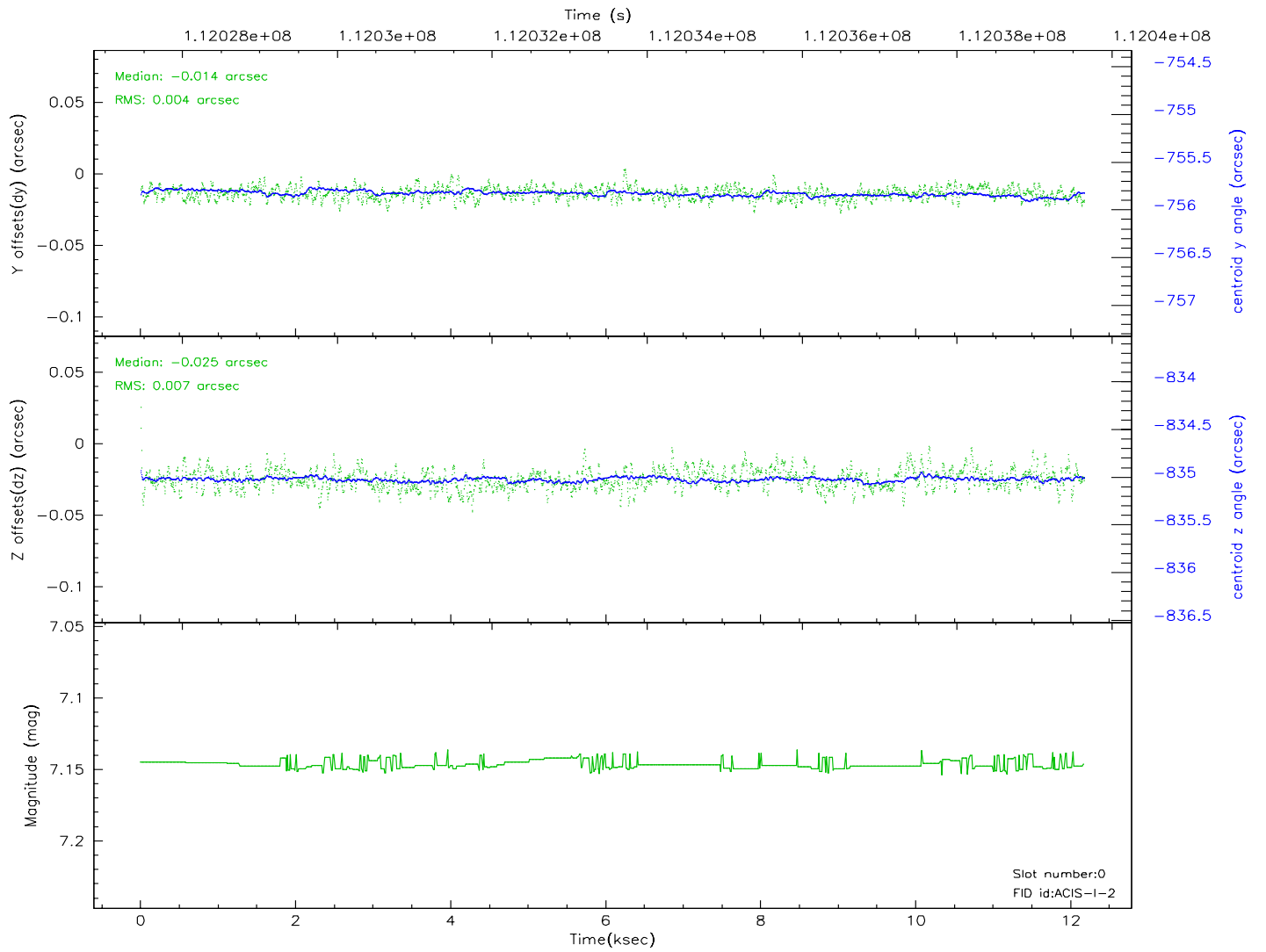
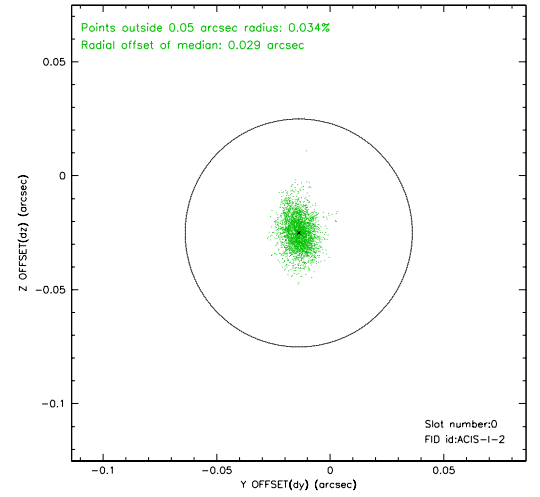
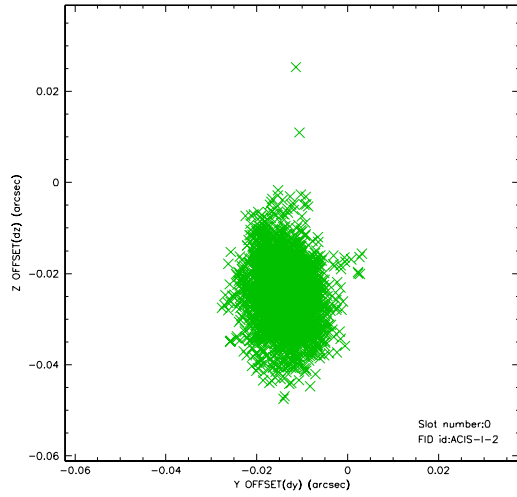


2.4.5 Slot 7

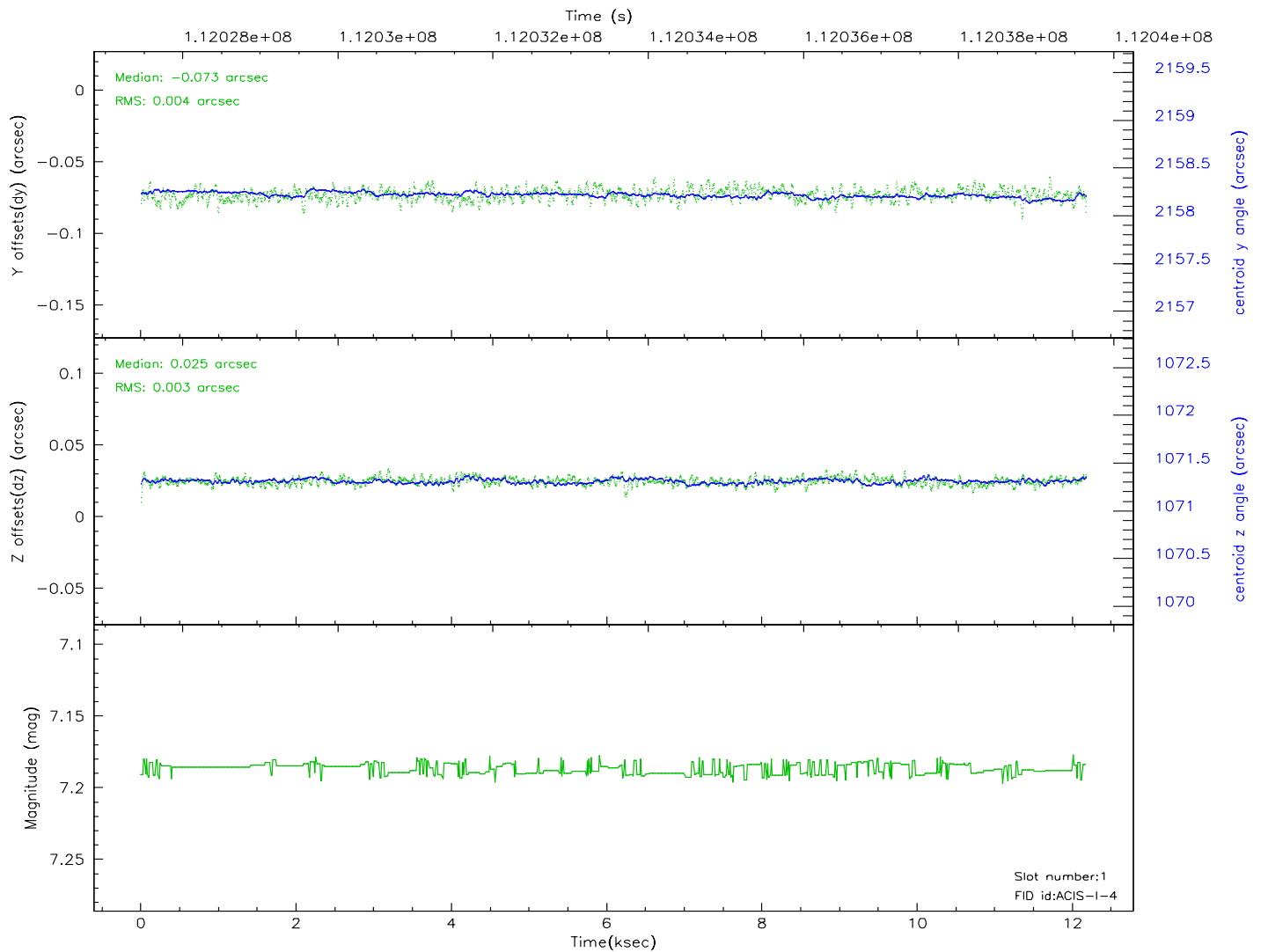
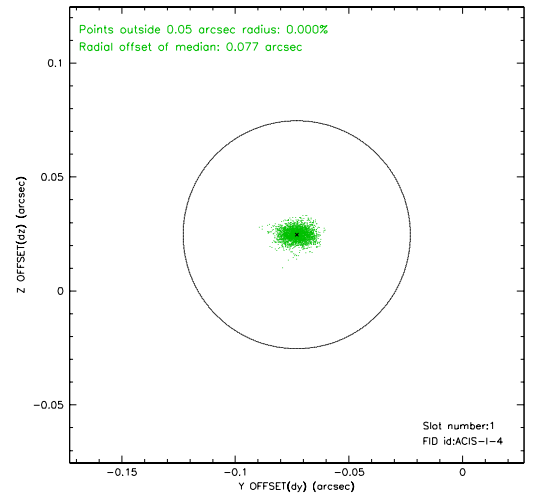
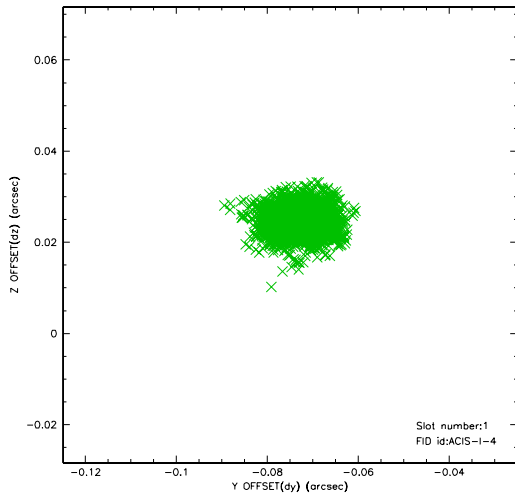


2.5 FID Slots

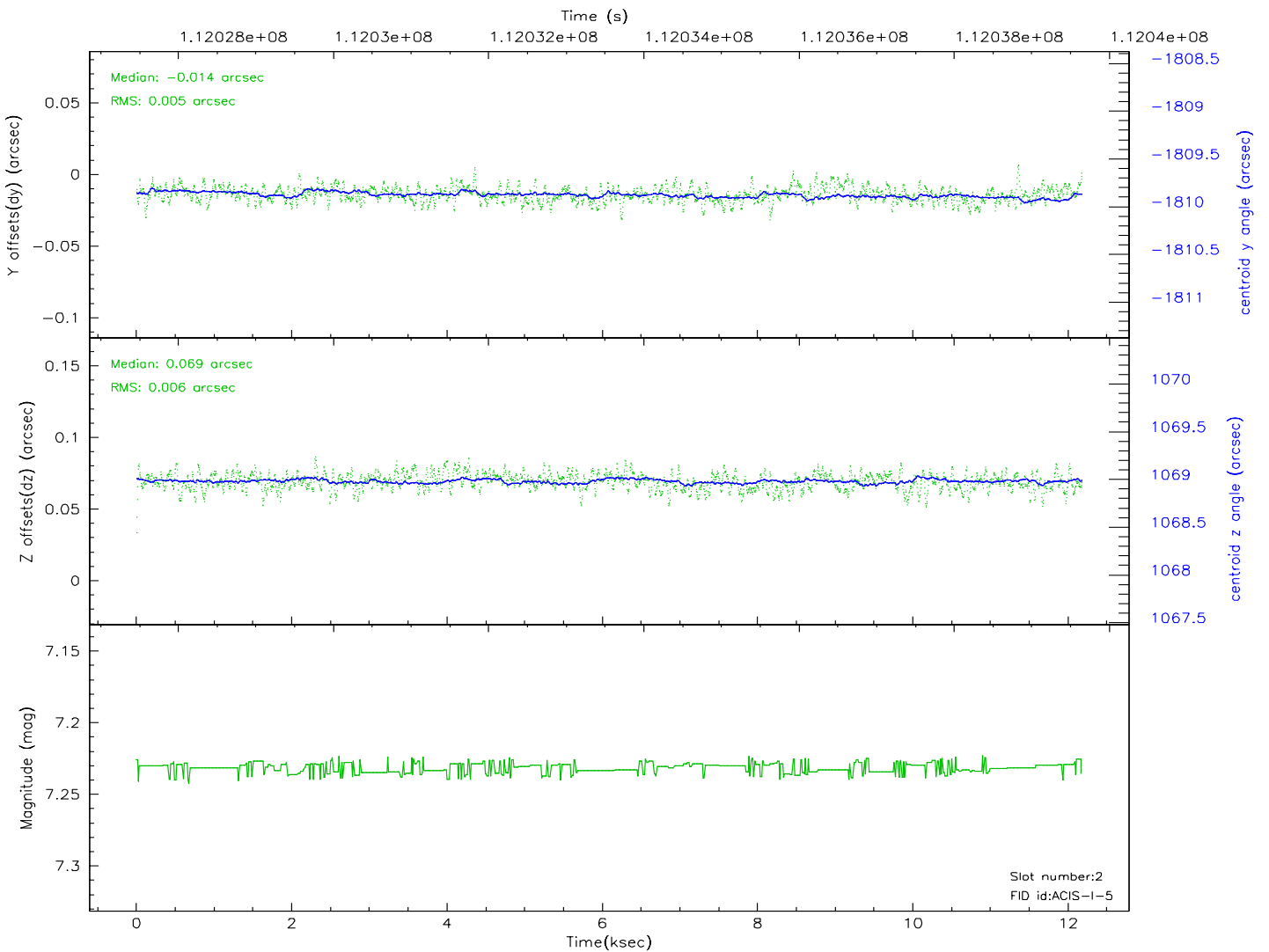
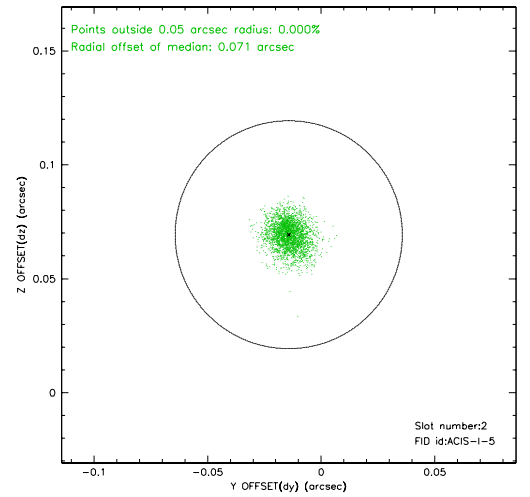
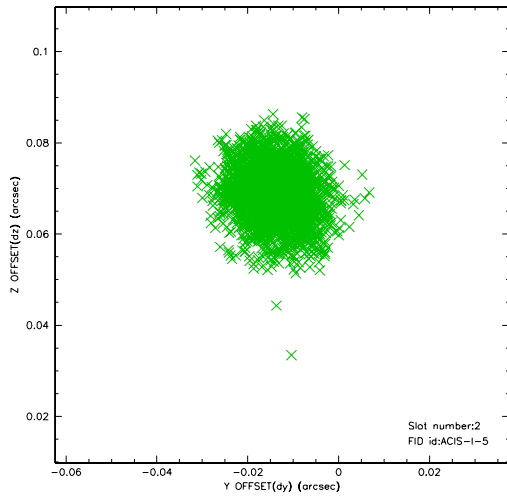
2.5.1 Slot 0



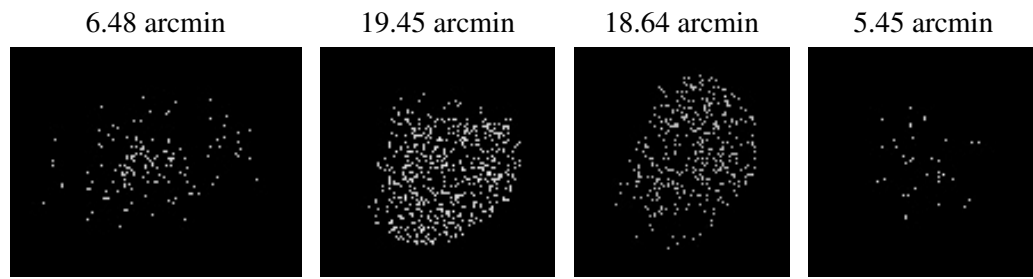
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.12.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.746

A.2 Comments

Roll constraint satisfied.