

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12564 - L2 Version 1
Chandra X-Ray Center

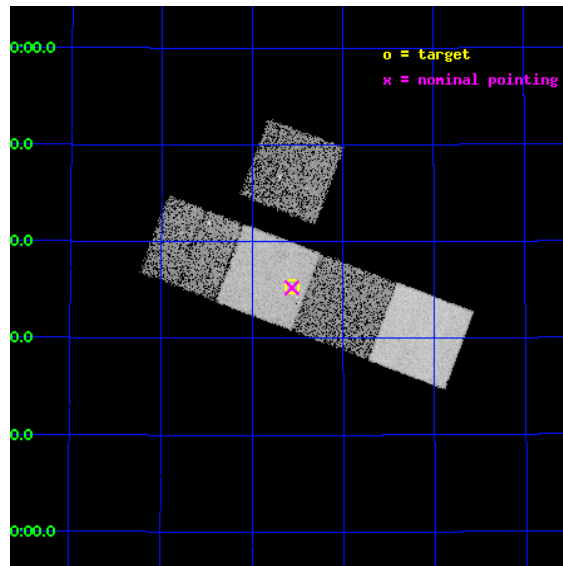
L2 Processing Date : Jan 16 2012

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1 Front

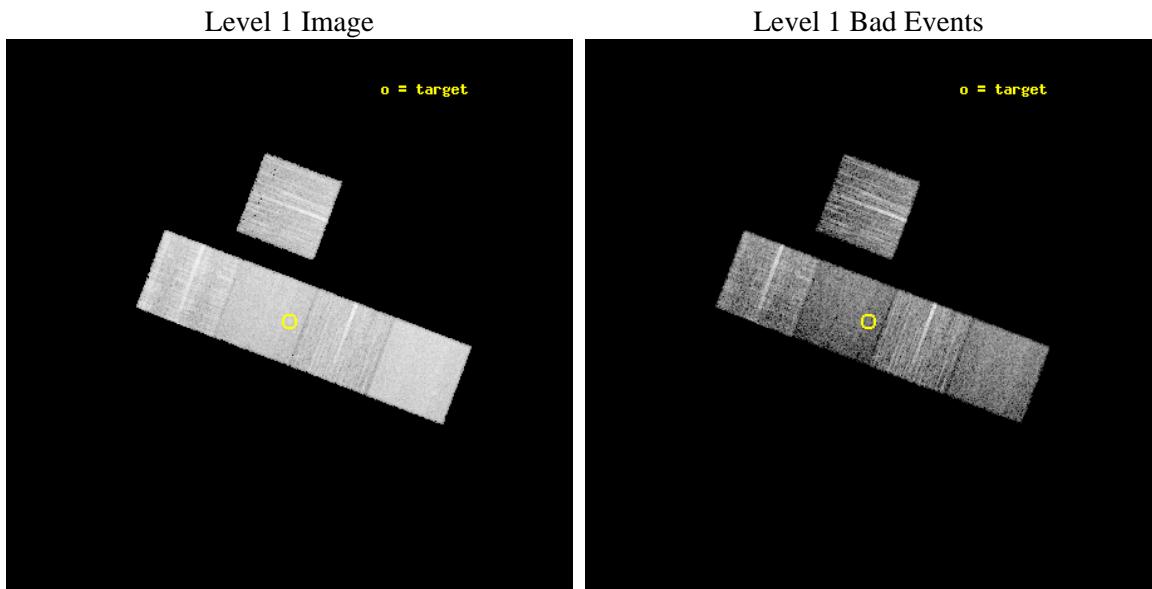
seq_num	501397	Sequence number
obs_id	12564	Observation id
title	Chandra Observations of New X-ray Supernovae	Proposal title
observer	David Pooley	Principal investigator
object	SN 2011ay	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	105.641917	Observer's specified target RA [deg]
dec_targ	50.590278	Observer's specified target Dec [deg]
ra_nom	105.64097689423	Nominal RA [deg]
dec_nom	50.587316985587	Nominal Dec [deg]
roll_nom	200.65617148807	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10040.576979995	Sum of GTIs [s]
livetime	9909.3894499859	Livetime [s]
ontime3	10040.453859985	Sum of GTIs [s]
ontime5	10040.535939991	Sum of GTIs [s]
ontime6	10040.494899988	Sum of GTIs [s]
ontime7	10040.576979995	Sum of GTIs [s]
ontime8	10037.271799624	Sum of GTIs [s]
l2events	91745	Number of level 2 events



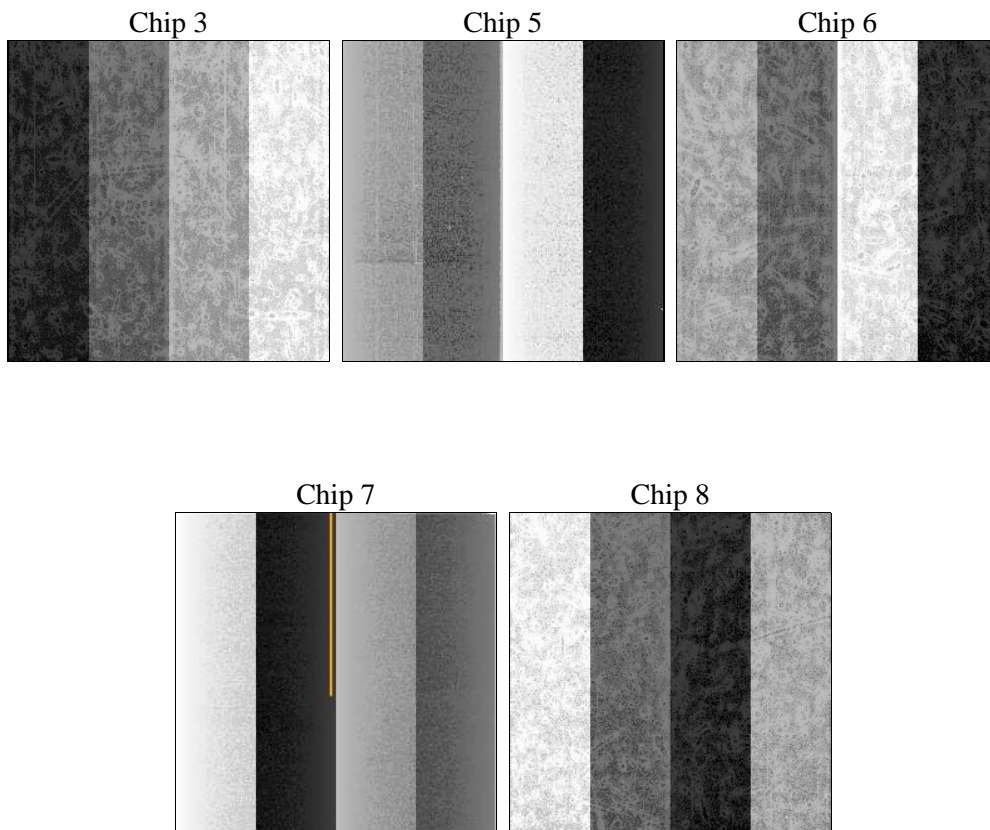
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10040.576979995	Sum of GTIs [s]
caldbver	4.4.7	 	ontime3	10040.453859985	Sum of GTIs [s]
date	2012-01-16T06:53:56	Date and time of file creation	ontime5	10040.535939991	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10040.494899988	Sum of GTIs [s]
			ontime7	10040.576979995	Sum of GTIs [s]
			ontime8	10037.271799624	Sum of GTIs [s]
			l1events	348524	Number of level 1 events

2.1.4 Events

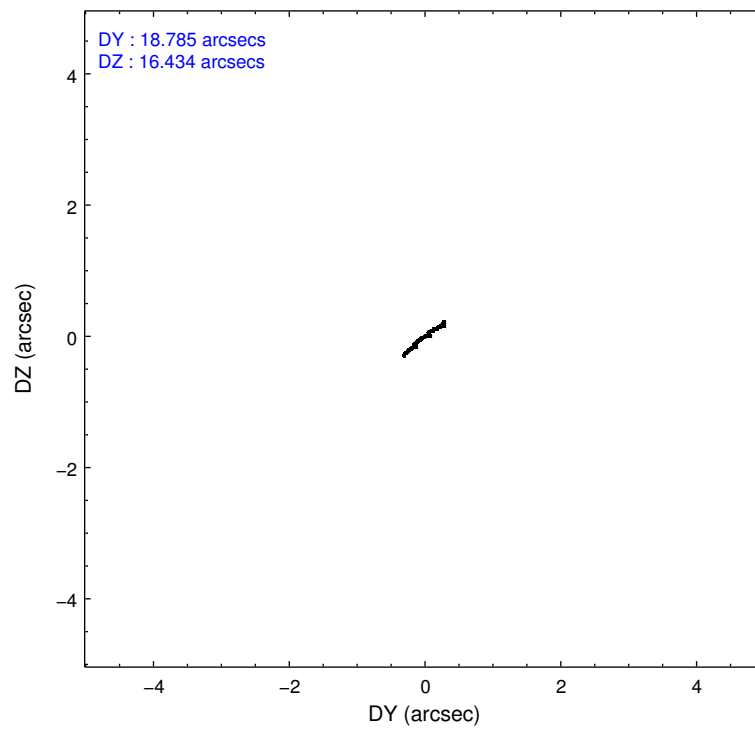
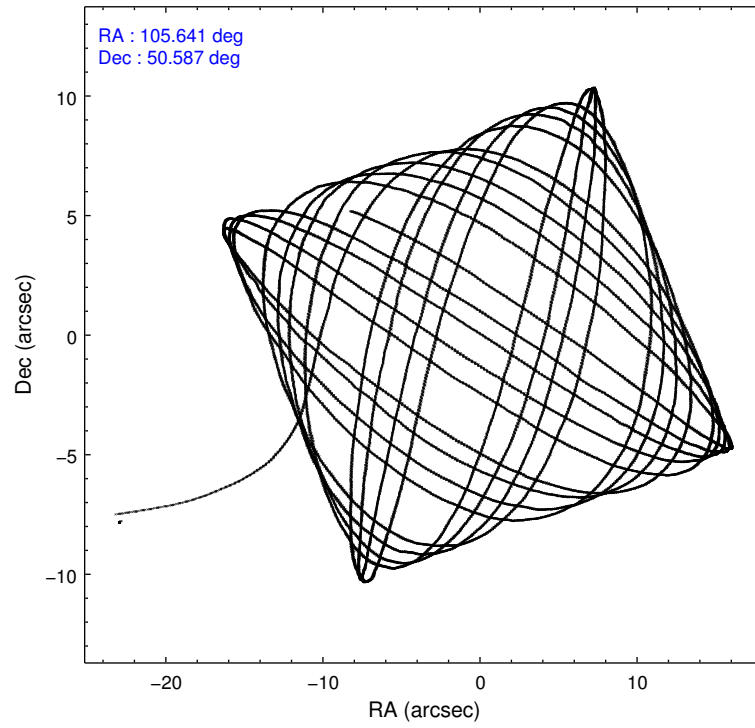
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	57522	84636	61502	67069	77795
rejected events	51157	41242	54649	35206	56324
rejected %	88%	48%	88%	52%	72%

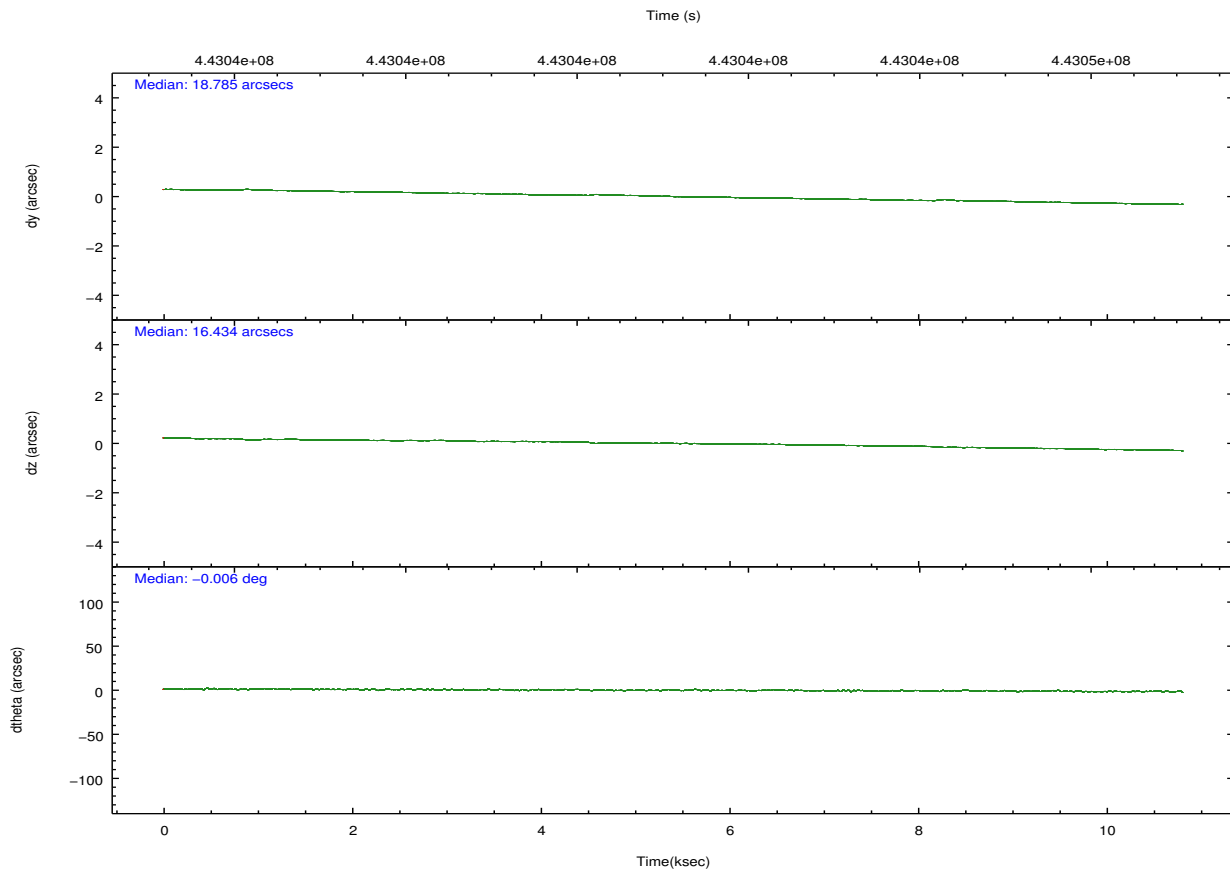
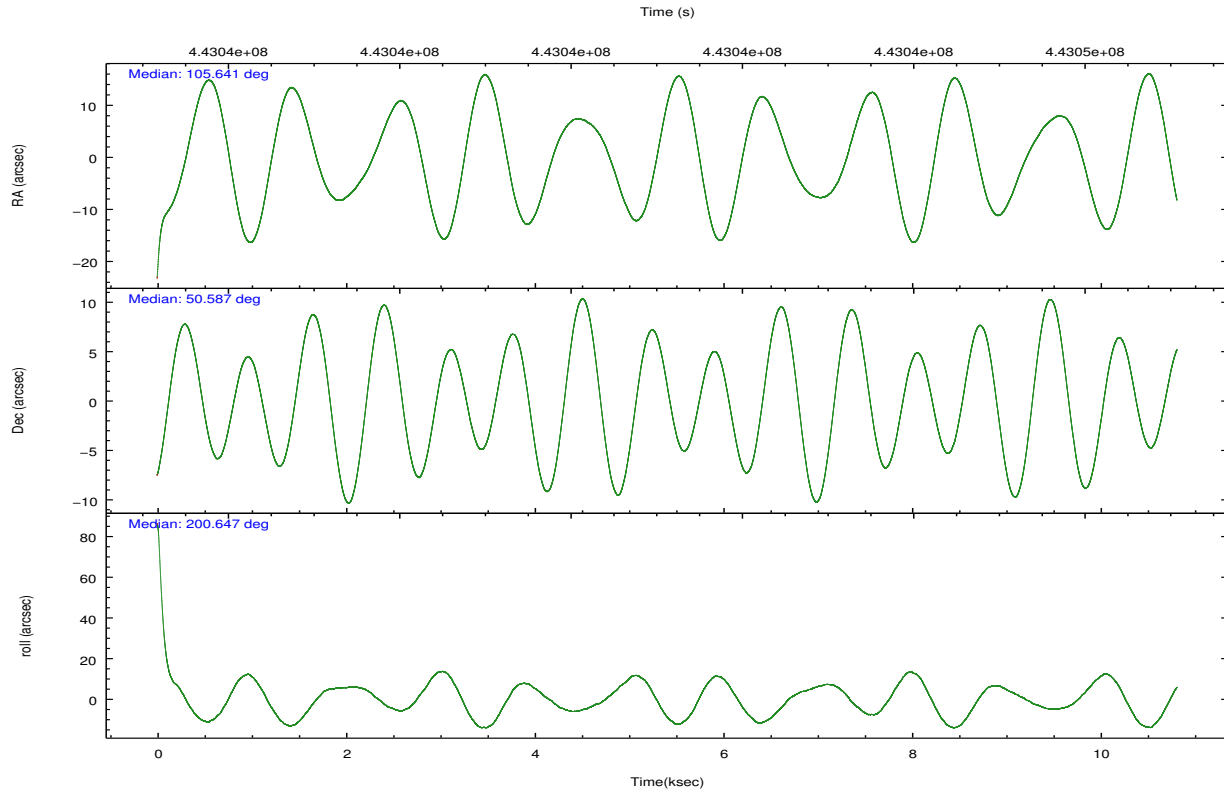
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2370	2832	2447	3241	5843
	4%	3%	3%	4%	7%
grade 1 events	38	149	34	119	60
	0%	0%	0%	0%	0%
grade 2 events	1348	13502	1590	6683	5264
	2%	15%	2%	9%	6%
grade 3 events	698	1670	715	2858	2246
	1%	1%	1%	4%	2%
grade 4 events	631	1827	703	2857	2117
	1%	2%	1%	4%	2%
grade 5 events	2514	6536	2495	6973	3792
	4%	7%	4%	10%	4%
grade 6 events	1321	23573	1400	16233	6026
	2%	27%	2%	24%	7%
grade 7 events	48602	34547	52118	28105	52447
	84%	40%	84%	41%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	105.667799	105.6409768942295	CCD I2 on	O1	N
[deg] Pointing Dec	50.608696	50.58731698558678	CCD I3 on	O2	Y
[deg] Pointing Roll	200.478724	200.656171488073	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	443036513.184000	443034395.62551	CCD S5 on	N	N
Observation start date	2012-01-15T17:40:47	2012-01-15T17:06:35	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	443046513.184000	443047166.61369	On-chip summing requested	N	N
Observation end date	2012-01-15T20:27:27	2012-01-15T20:39:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



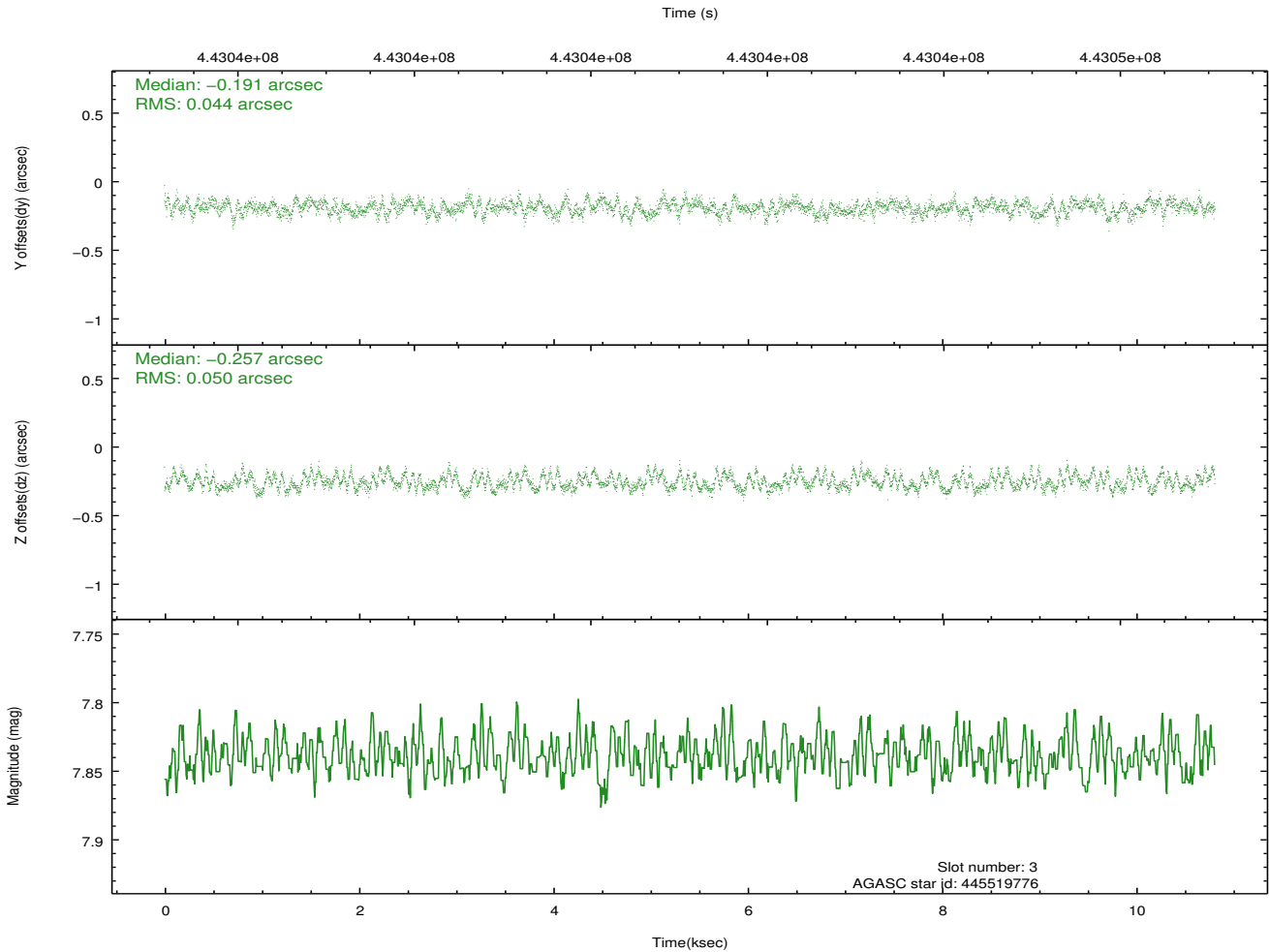
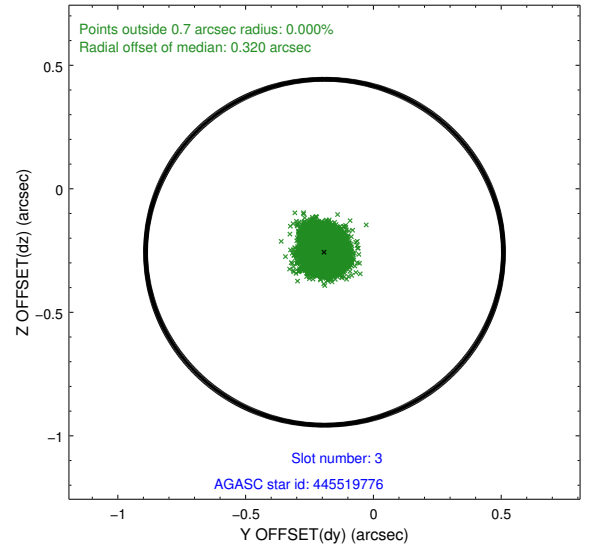
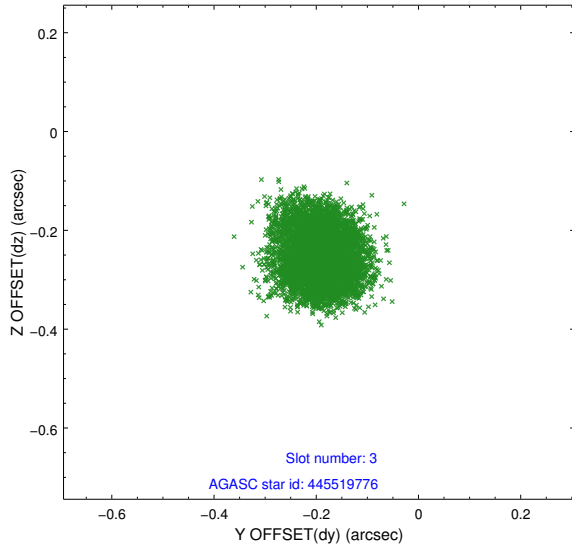


Slot Statistics

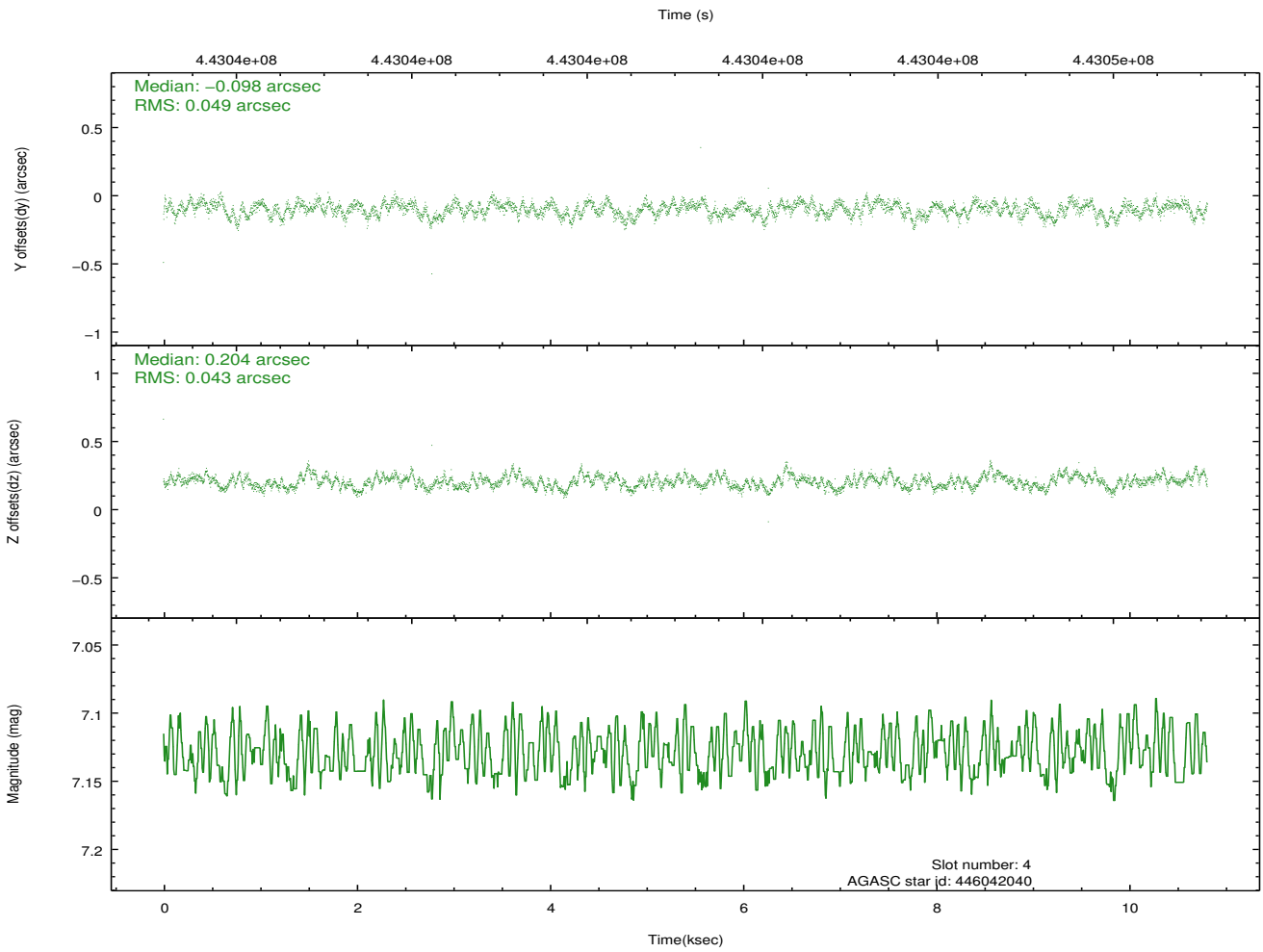
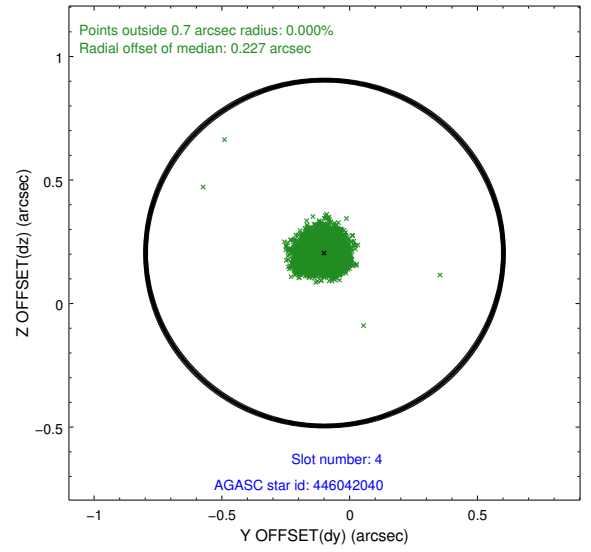
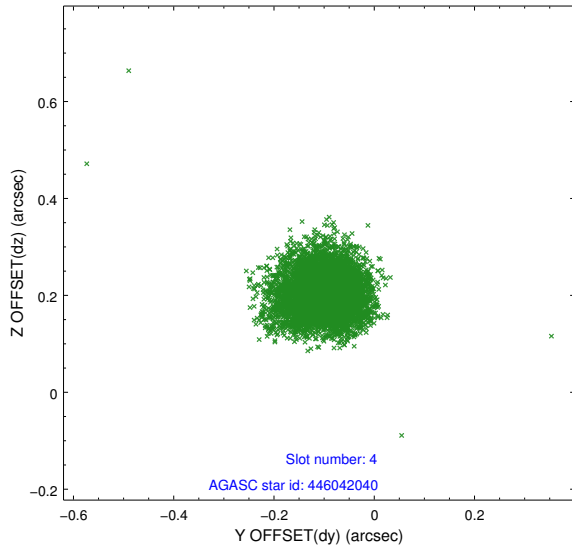
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	2638	0.110	-0.116	0.008	0.014	0.000000	0.000000	924.30	-1733.58
1	FID	ACIS-S-5	7.06	2637	-0.207	0.051	0.007	0.013	0.000000	0.000000	-1824.76	163.64
2	FID	ACIS-S-6	7.15	2638	0.076	0.076	0.008	0.013	0.000000	0.000000	389.29	808.17
3	GUIDE	445519776	7.84	5275	-0.191	-0.257	0.072	0.111	105.564406	50.076941	893.65	1709.90
4	GUIDE	446042040	7.13	5273	-0.098	0.204	0.069	0.108	106.010954	51.285909	-1576.79	-2014.79
5	GUIDE	446045864	7.67	5275	0.153	0.482	0.062	0.104	104.770560	50.810868	1653.41	-1406.93
6	GUIDE	445514960	9.18	5266	0.031	-0.342	0.140	0.219	105.357974	49.971390	1474.51	1896.87
7	GUIDE	445655432	9.21	5267	0.114	-0.086	0.117	0.191	106.931820	50.295812	-2337.40	2049.21

2.4 Star Slots

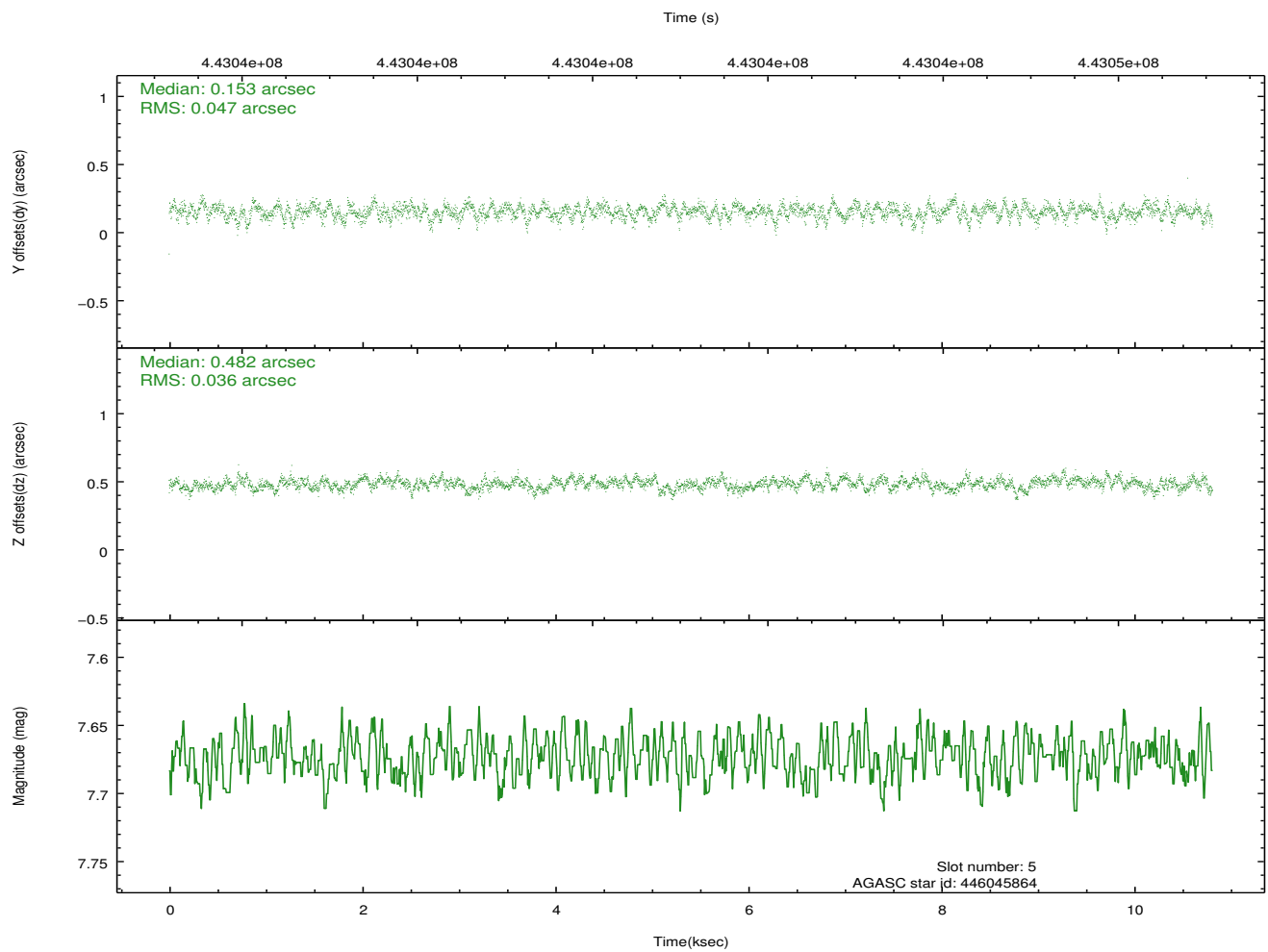
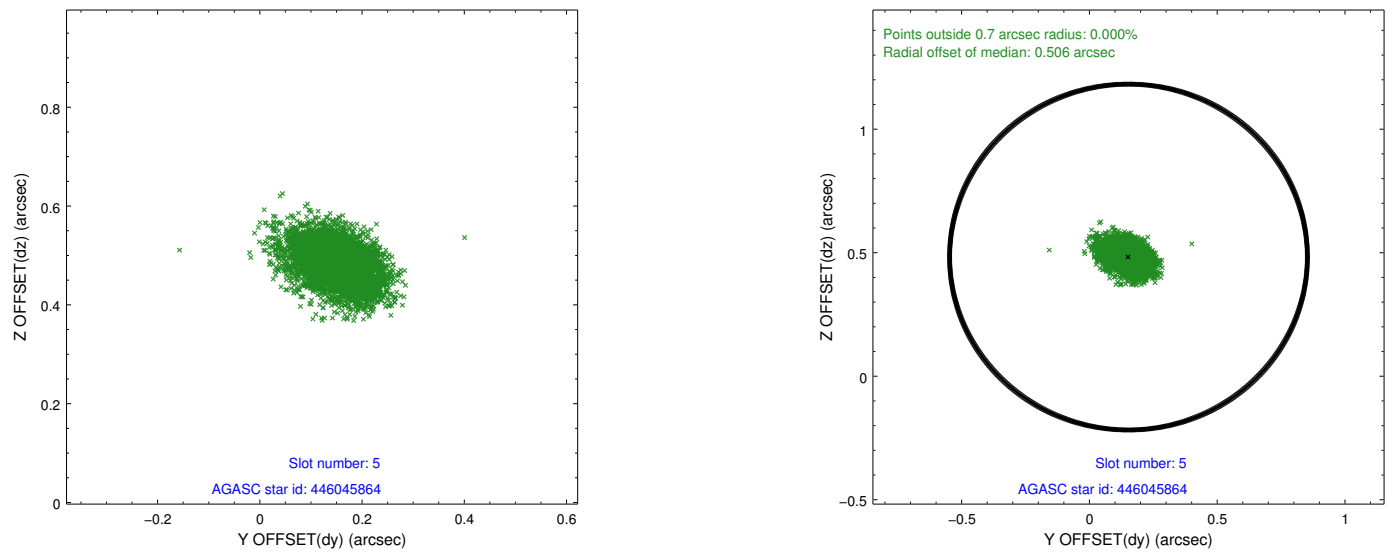
2.4.1 Slot 3



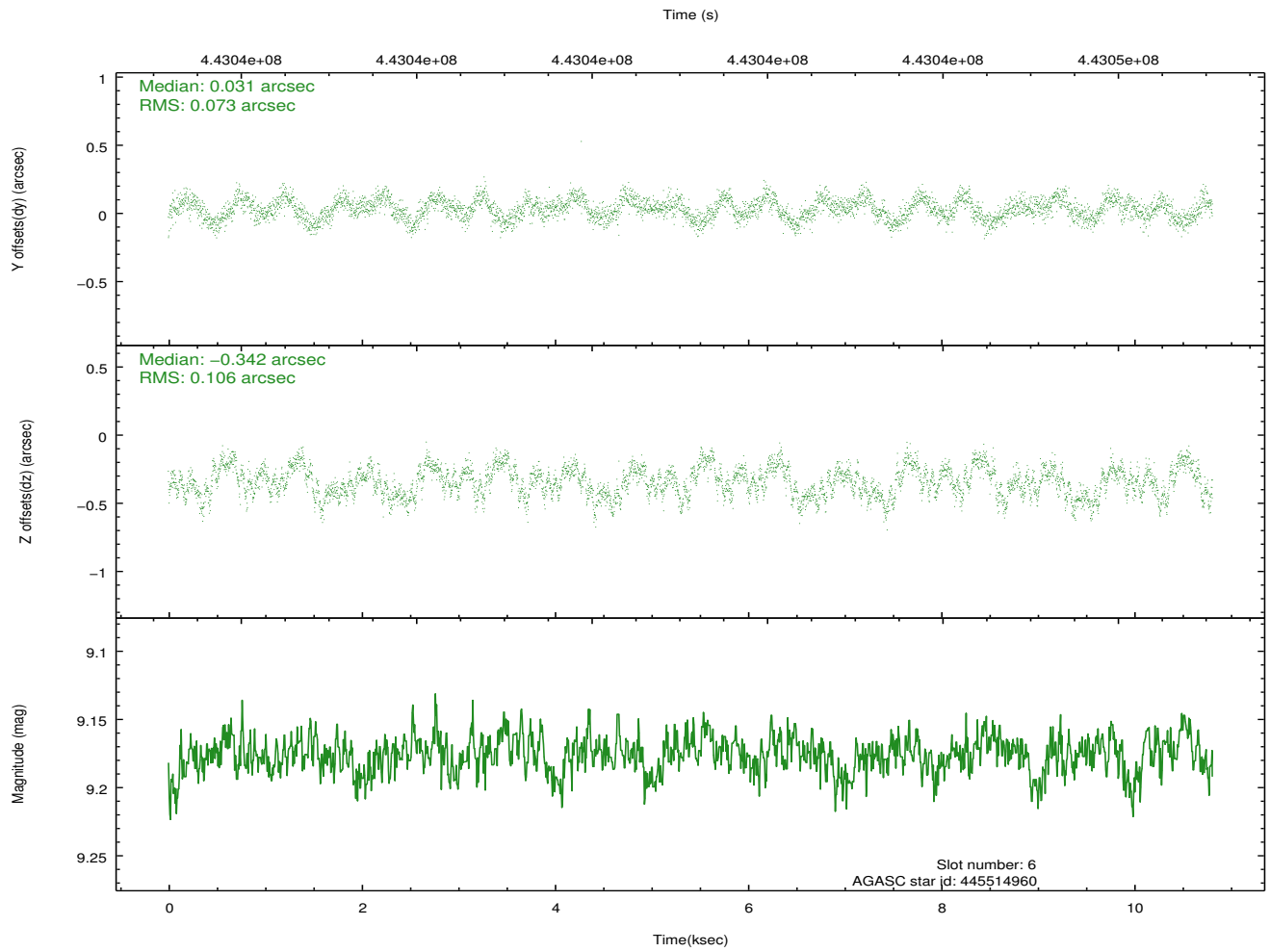
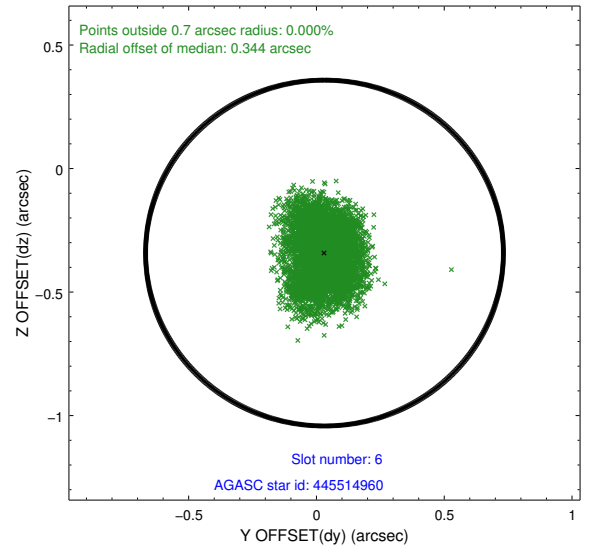
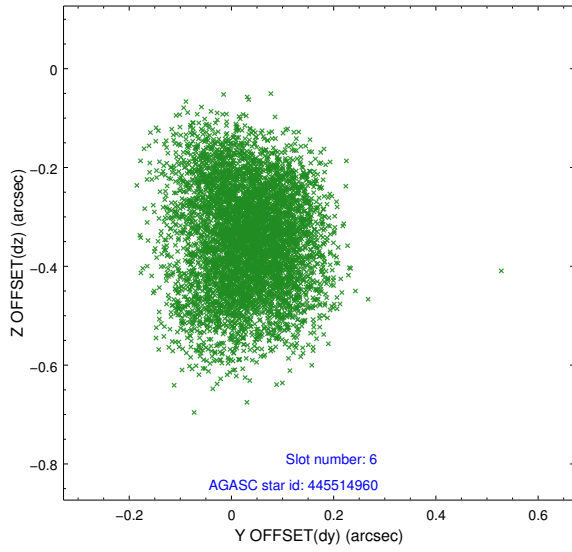
2.4.2 Slot 4



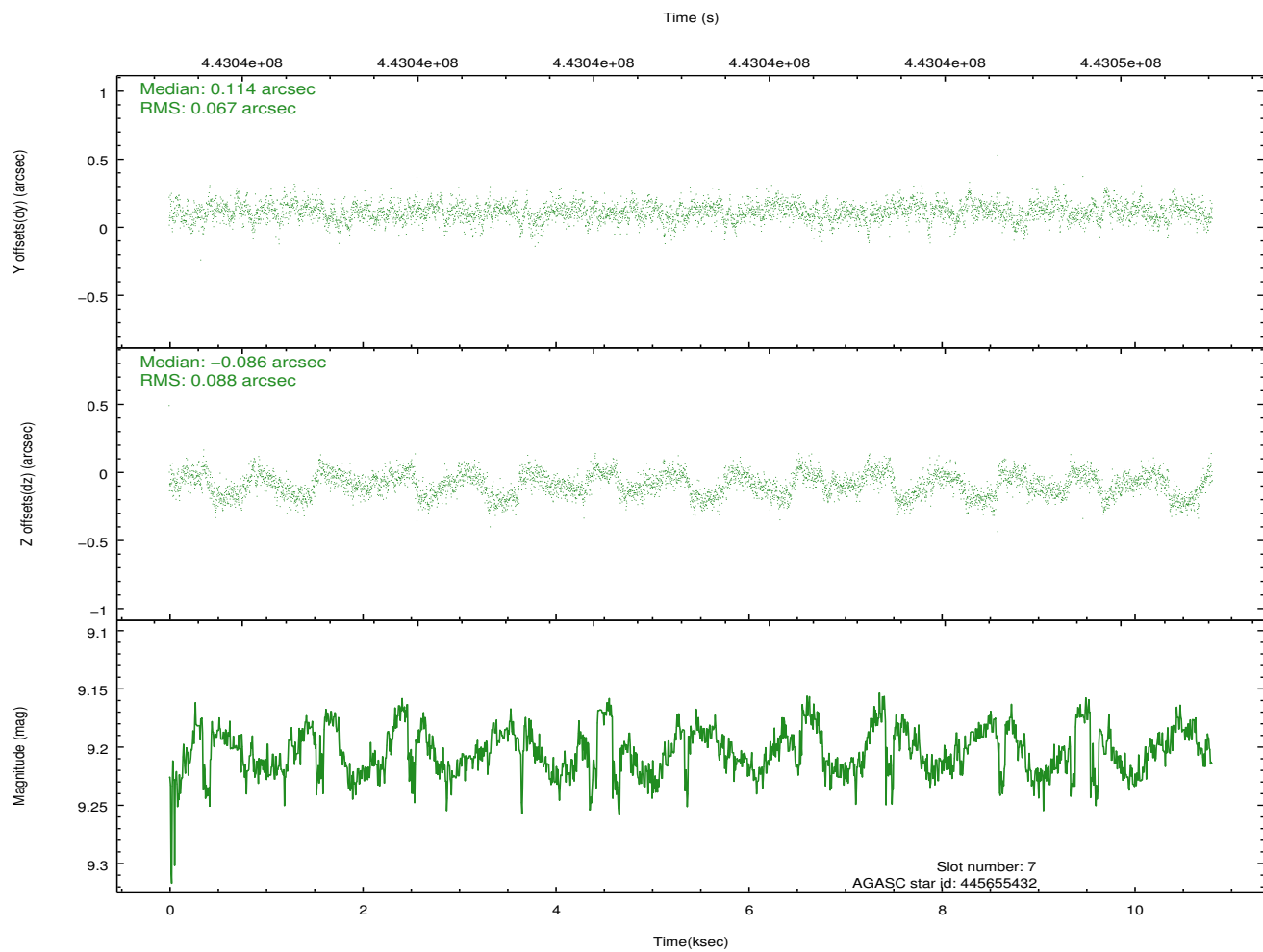
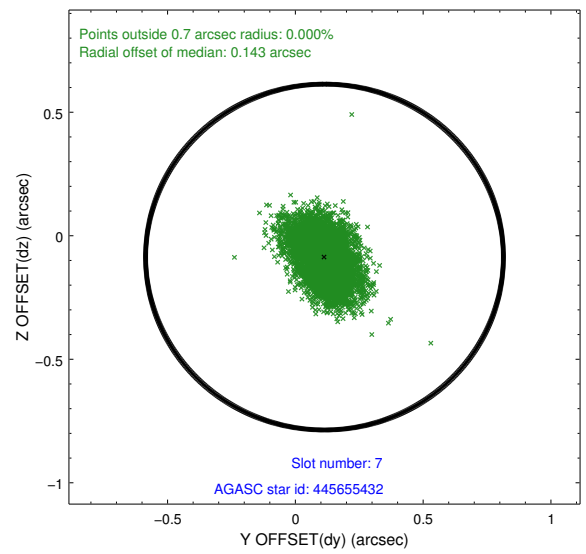
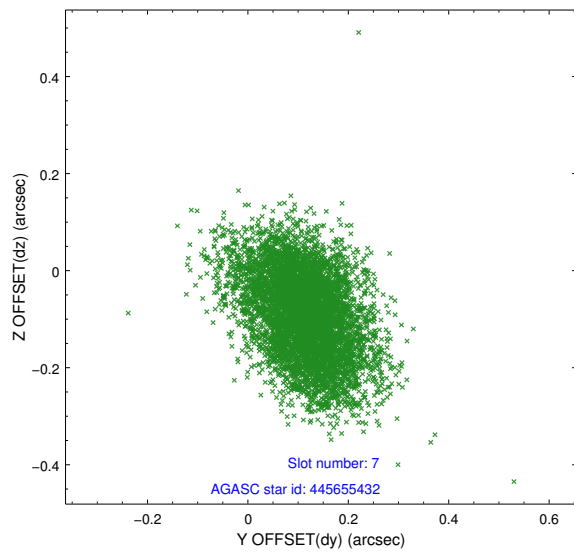
2.4.3 Slot 5



2.4.4 Slot 6

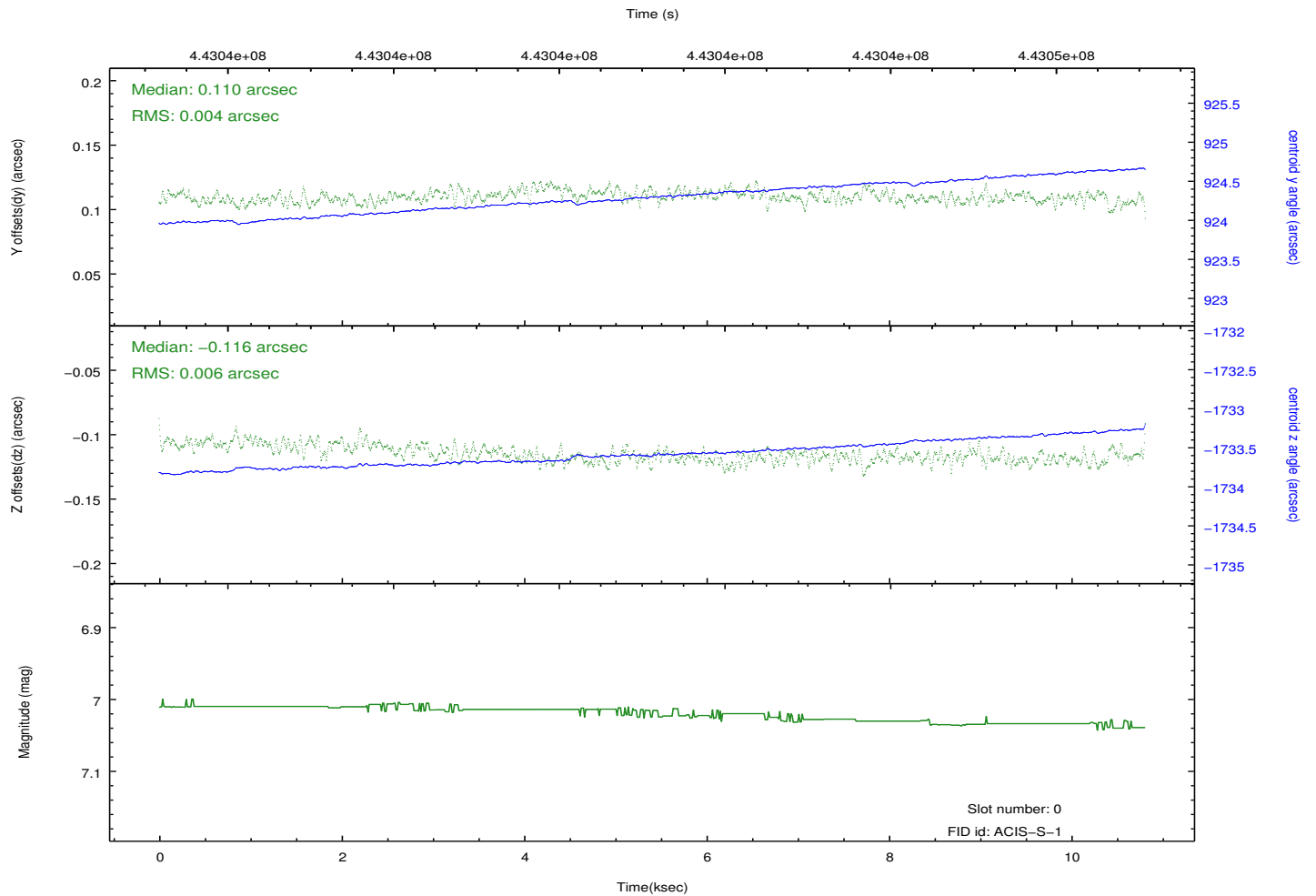
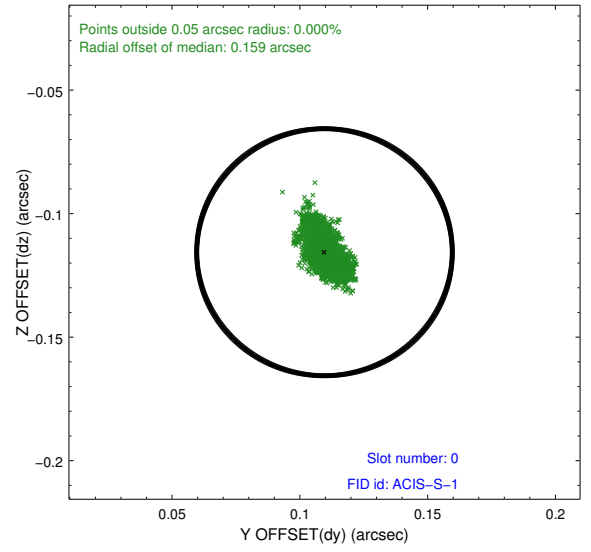
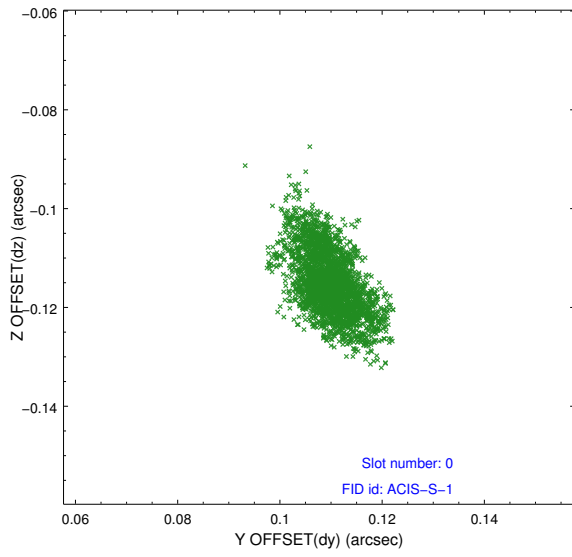


2.4.5 Slot 7

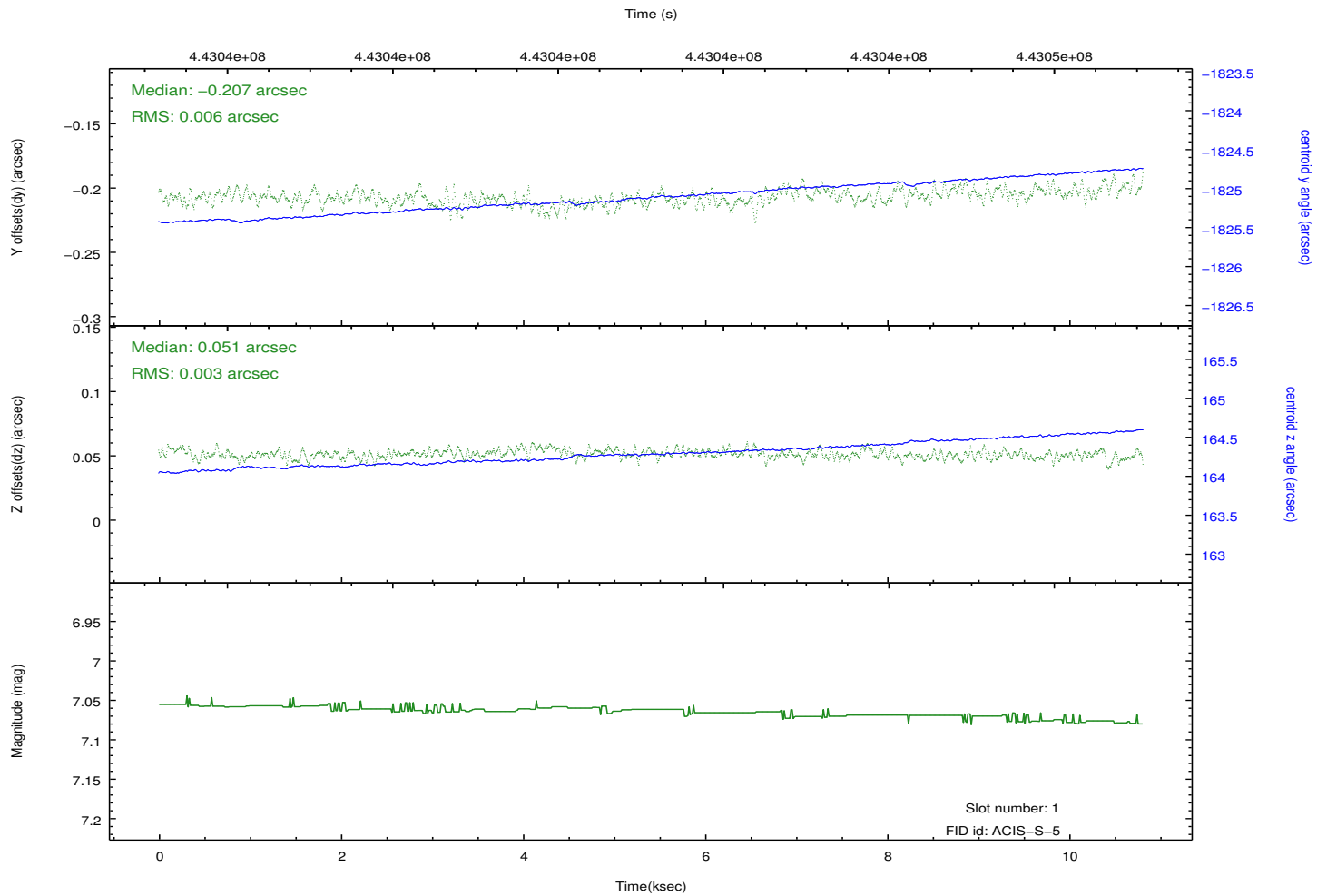
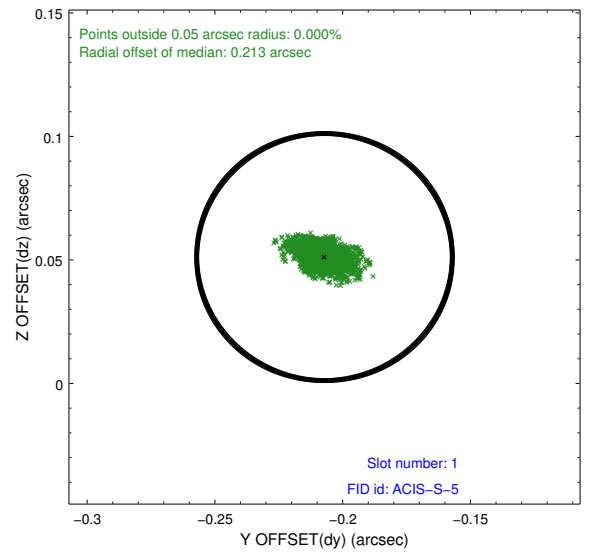
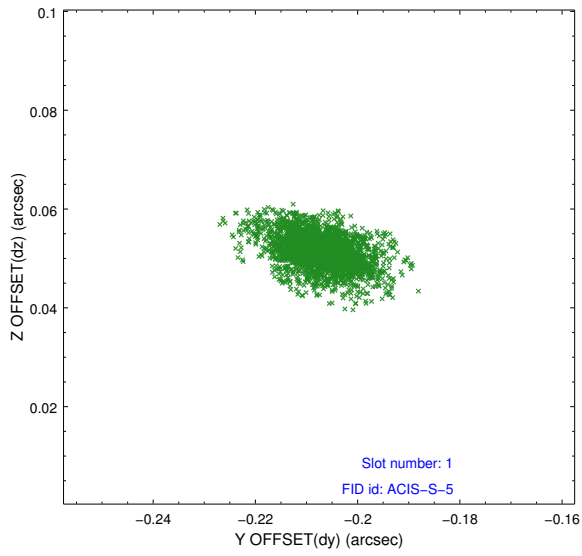


2.5 FID Slots

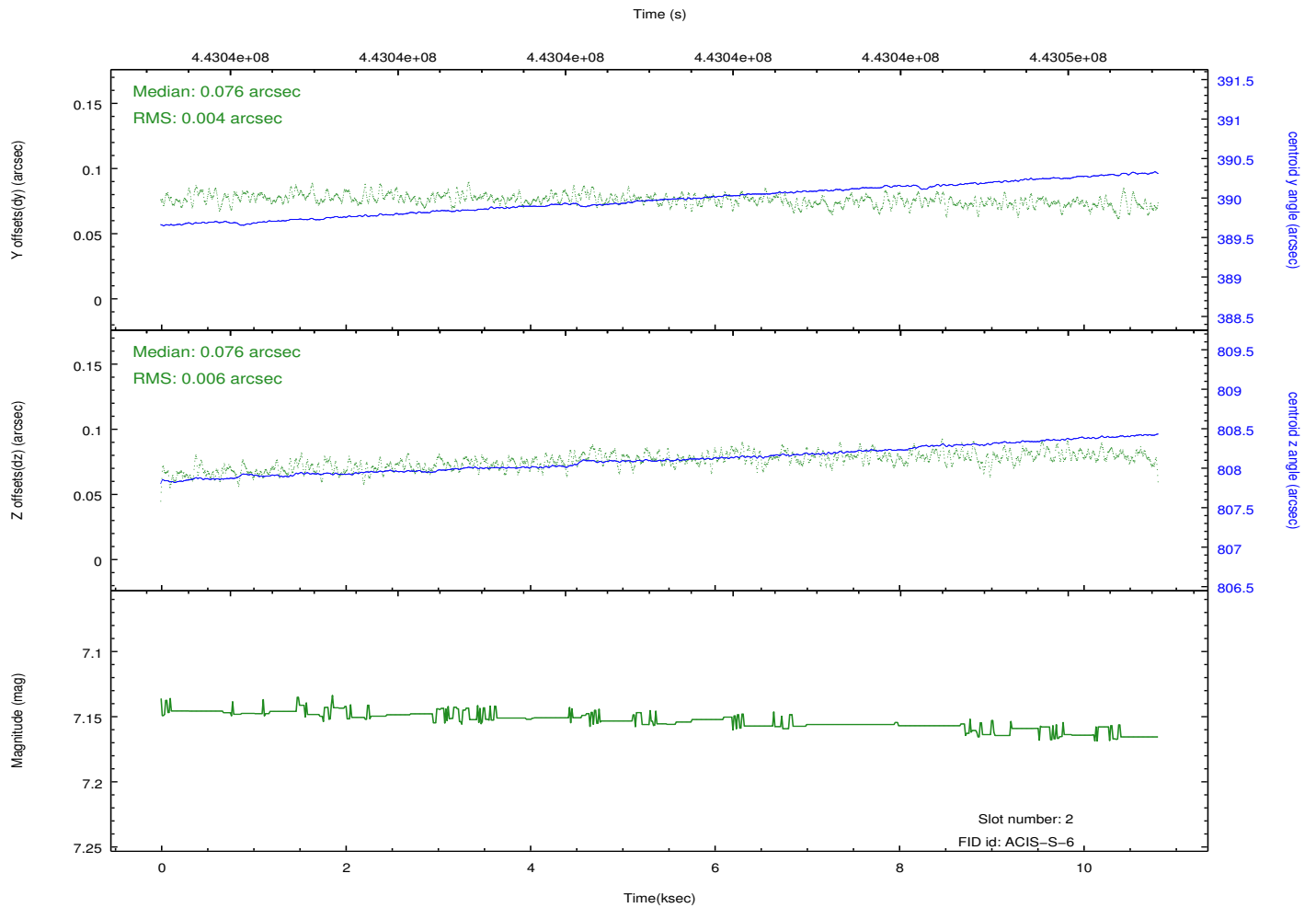
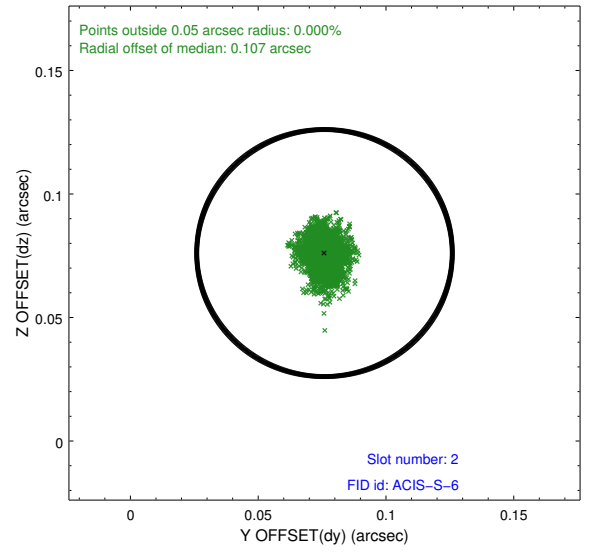
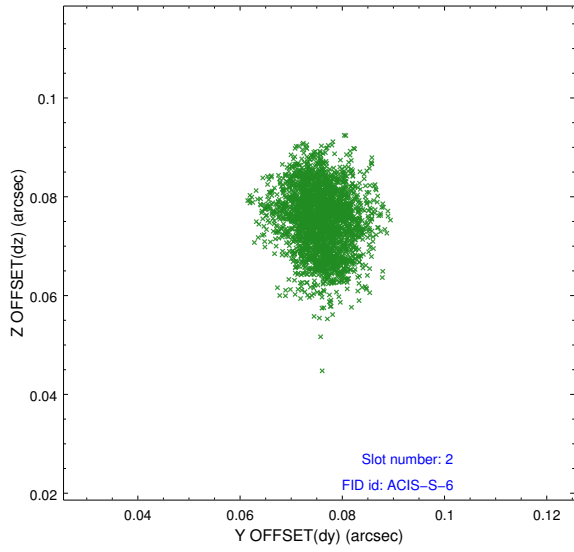
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.040576979995

A.2 Comments

Optional chip I2 dropped.