

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16060 - L2 Version 1
Chandra X-Ray Center

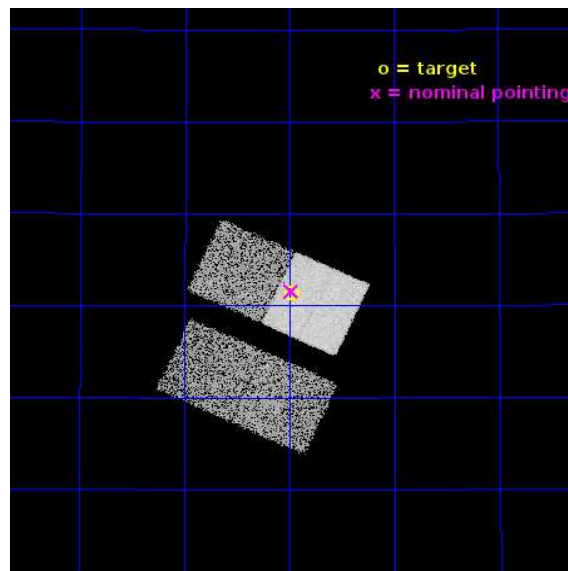
L2 Processing Date : Sep 28 2014

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1 Front

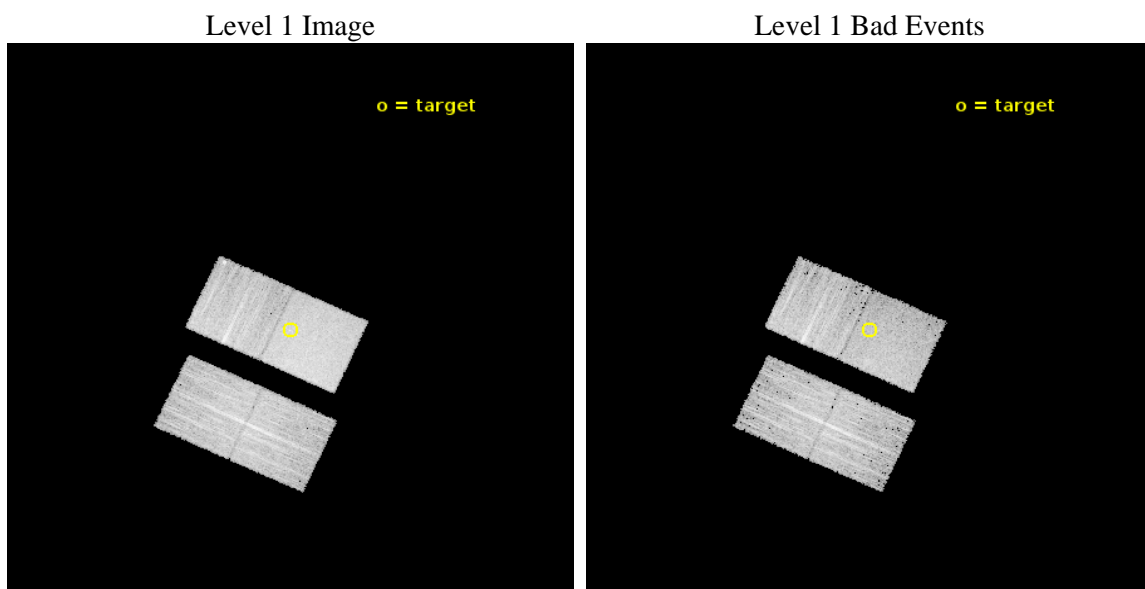
seq_num	702954	Sequence number
obs_id	16060	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C247	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.745	Observer's specified target RA [deg]
dec_targ	43.023083	Observer's specified target Dec [deg]
ra_nom	164.74565238607	Nominal RA [deg]
dec_nom	43.026144847643	Nominal Dec [deg]
roll_nom	24.753719748609	Nominal Roll [deg]
revision	1	Processing version of data
ontime	11791.174515426	Sum of GTIs [s]
livetime	11637.114139846	Livetime [s]
ontime2	11791.051395416	Sum of GTIs [s]
ontime3	11791.09243542	Sum of GTIs [s]
ontime6	11791.133475423	Sum of GTIs [s]
ontime7	11791.174515426	Sum of GTIs [s]
l2events	54430	Number of level 2 events



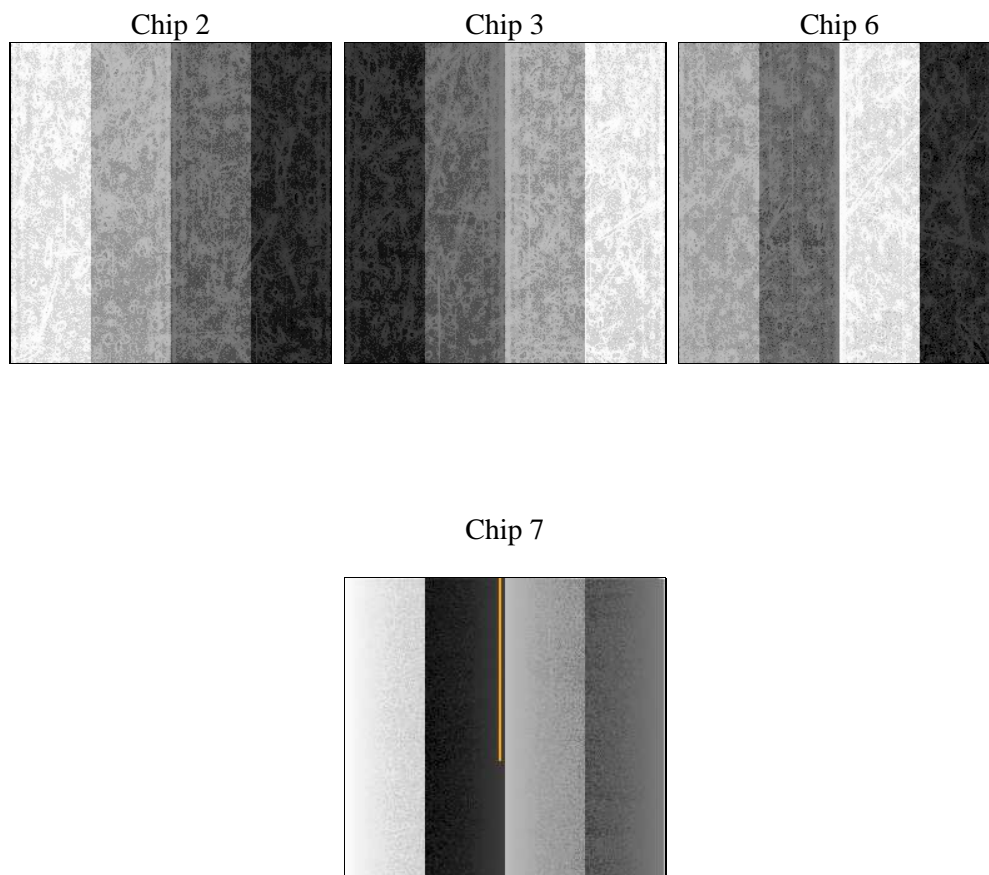
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	11791.174515426	Sum of GTIs [s]
caldbver	4.6.3	 	ontime2	11791.051395416	Sum of GTIs [s]
date	2014-09-28T16:08:12	Date and time of file creation	ontime3	11791.09243542	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	11791.133475423	Sum of GTIs [s]
			ontime7	11791.174515426	Sum of GTIs [s]
			l1events	270466	Number of level 1 events

2.1.4 Events

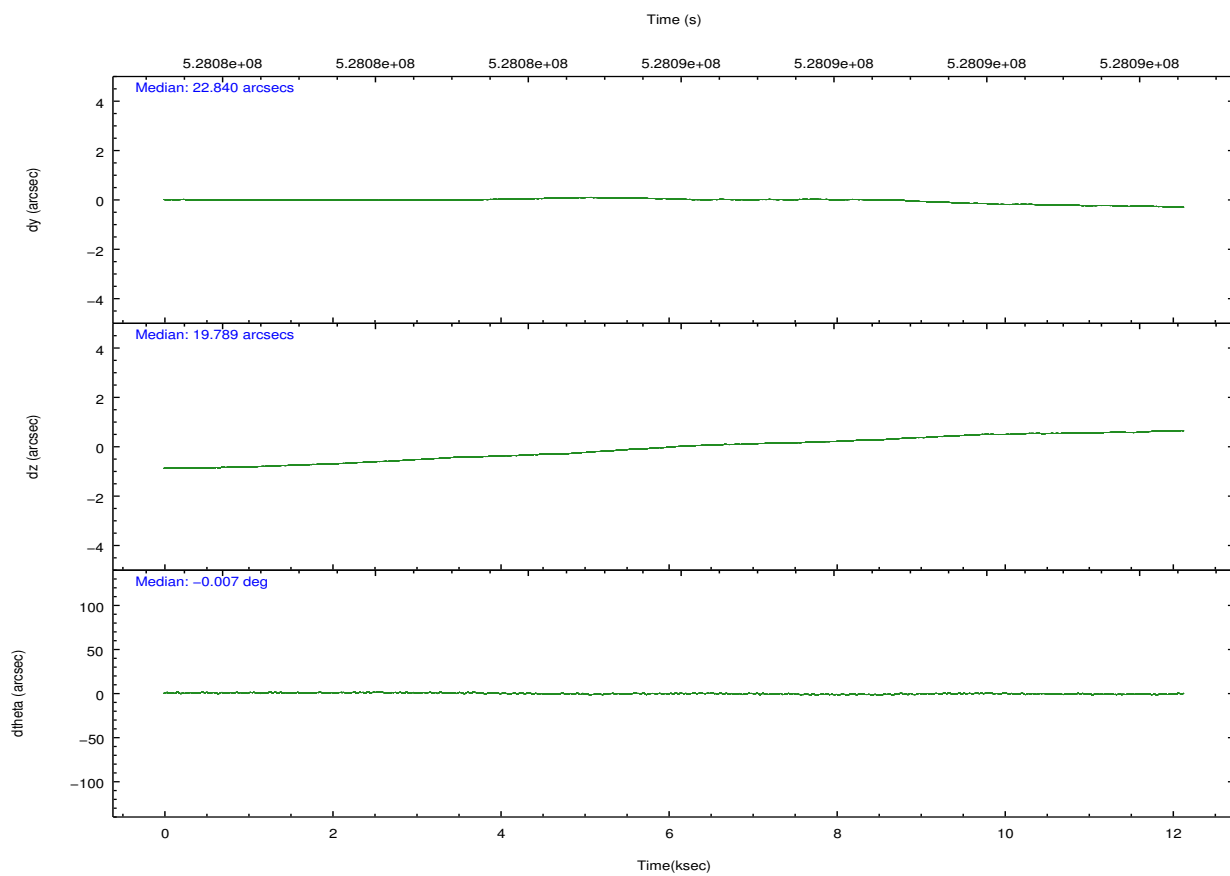
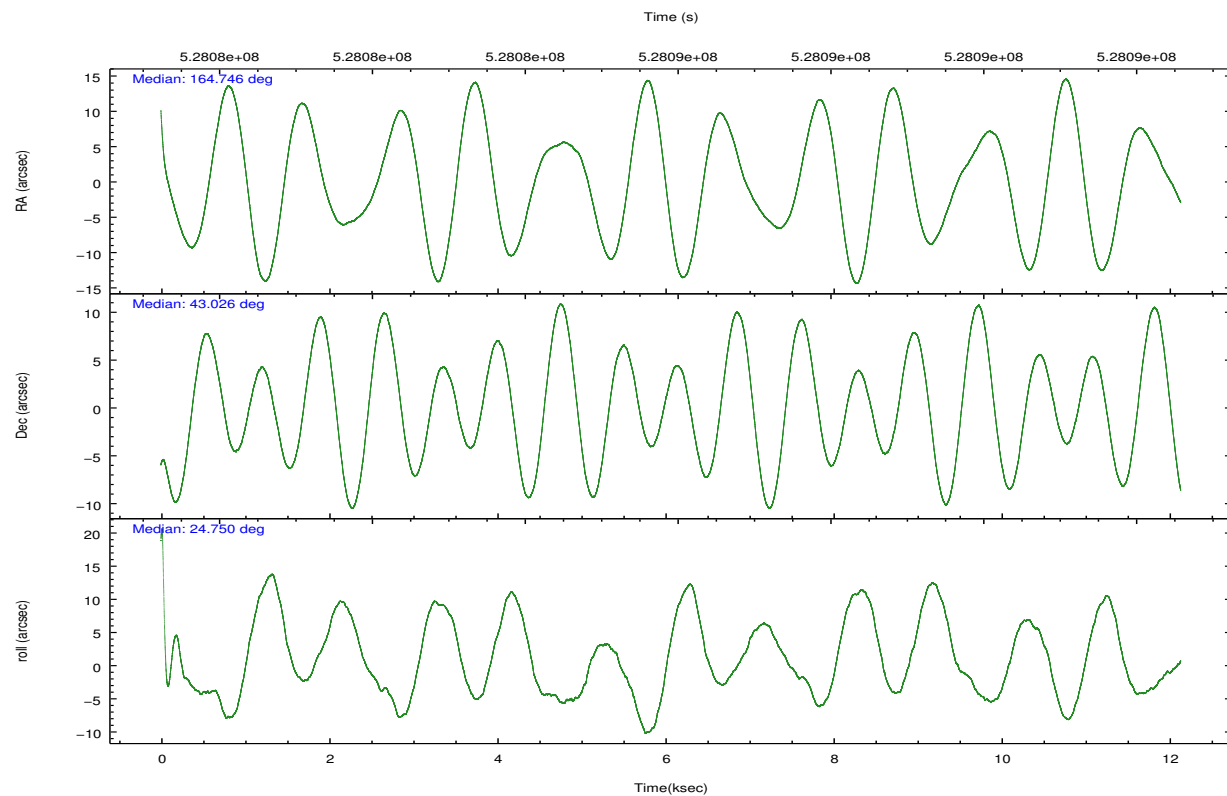
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	61216	60378	64901	83971
rejected events	54258	53366	57078	47207
rejected %	88%	88%	87%	56%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2407	2533	2577	3224
	3%	4%	3%	3%
grade 1 events	35	28	30	105
	0%	0%	0%	0%
grade 2 events	1679	1521	1950	7598
	2%	2%	3%	9%
grade 3 events	739	779	782	3054
	1%	1%	1%	3%
grade 4 events	754	720	724	2900
	1%	1%	1%	3%
grade 5 events	2688	3253	3156	8380
	4%	5%	4%	9%
grade 6 events	1381	1462	1793	20005
	2%	2%	2%	23%
grade 7 events	51533	50082	53889	38705
	84%	82%	83%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	164.724399	164.7456523860716	CCD I2 on	O1	Y
[deg] Pointing Dec	43.003536	43.02614484764347	CCD I3 on	O2	Y
[deg] Pointing Roll	24.611558	24.75371974860874	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	528079963.184000	528078714.29816	CCD S5 on	N	N
Observation start date	2014-09-26T00:51:36	2014-09-26T00:31:54	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	528091963.184000	528092633.79893	On-chip summing requested	N	N
Observation end date	2014-09-26T04:11:36	2014-09-26T04:23:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

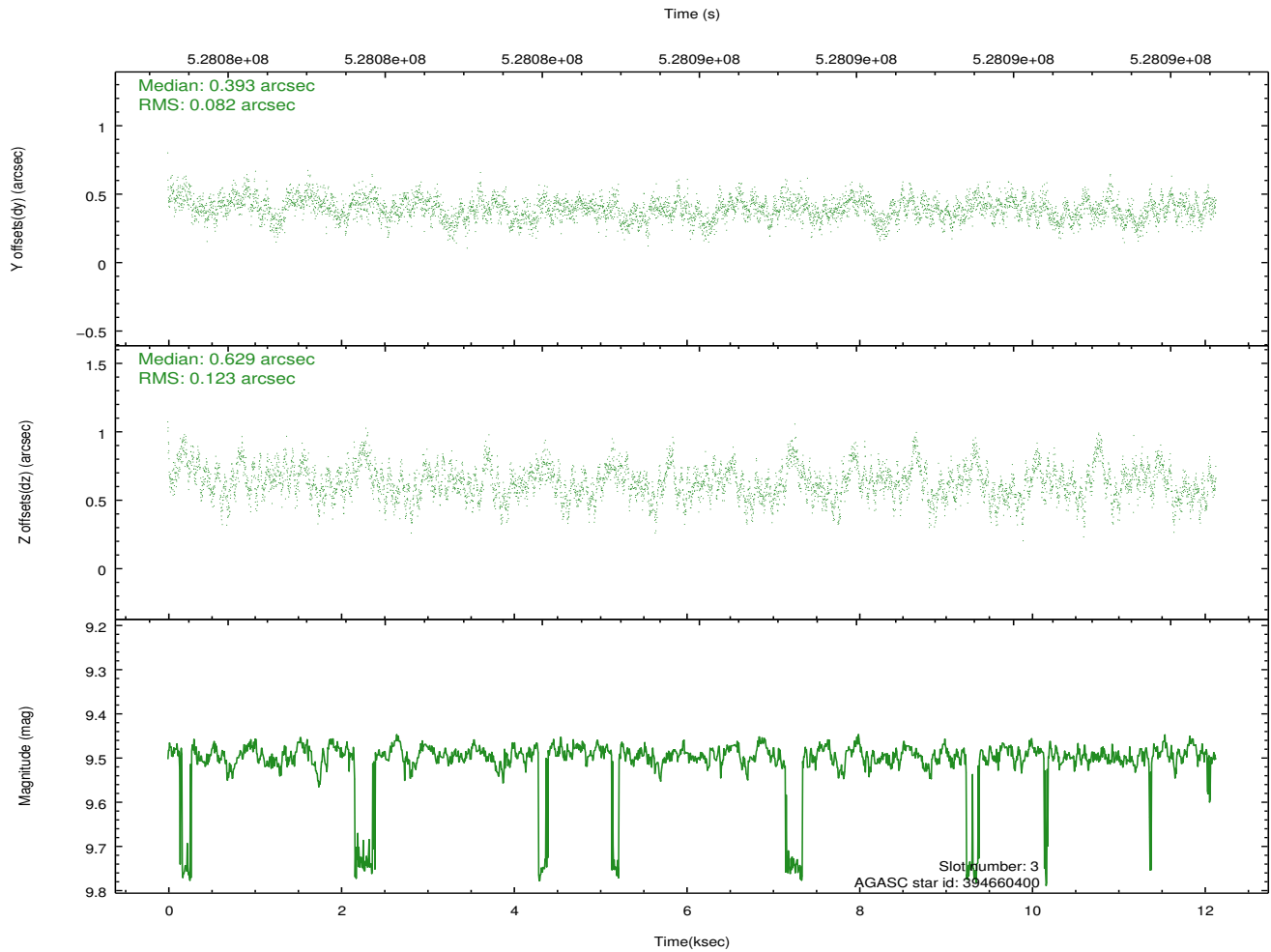
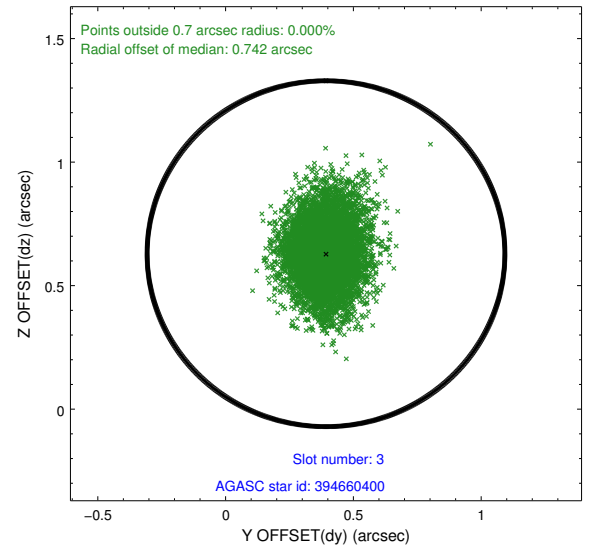
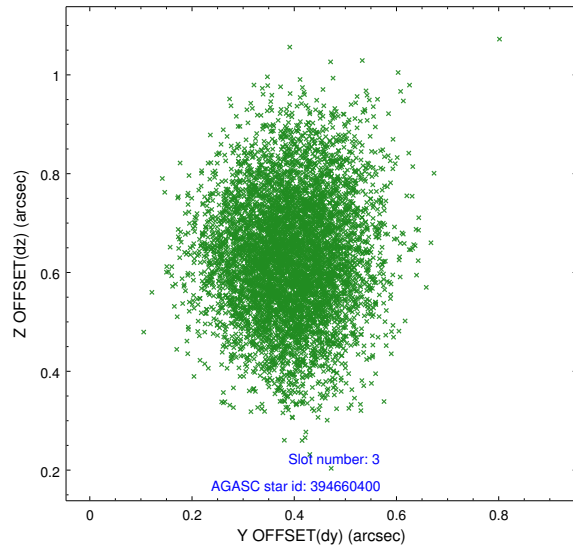


Slot Statistics

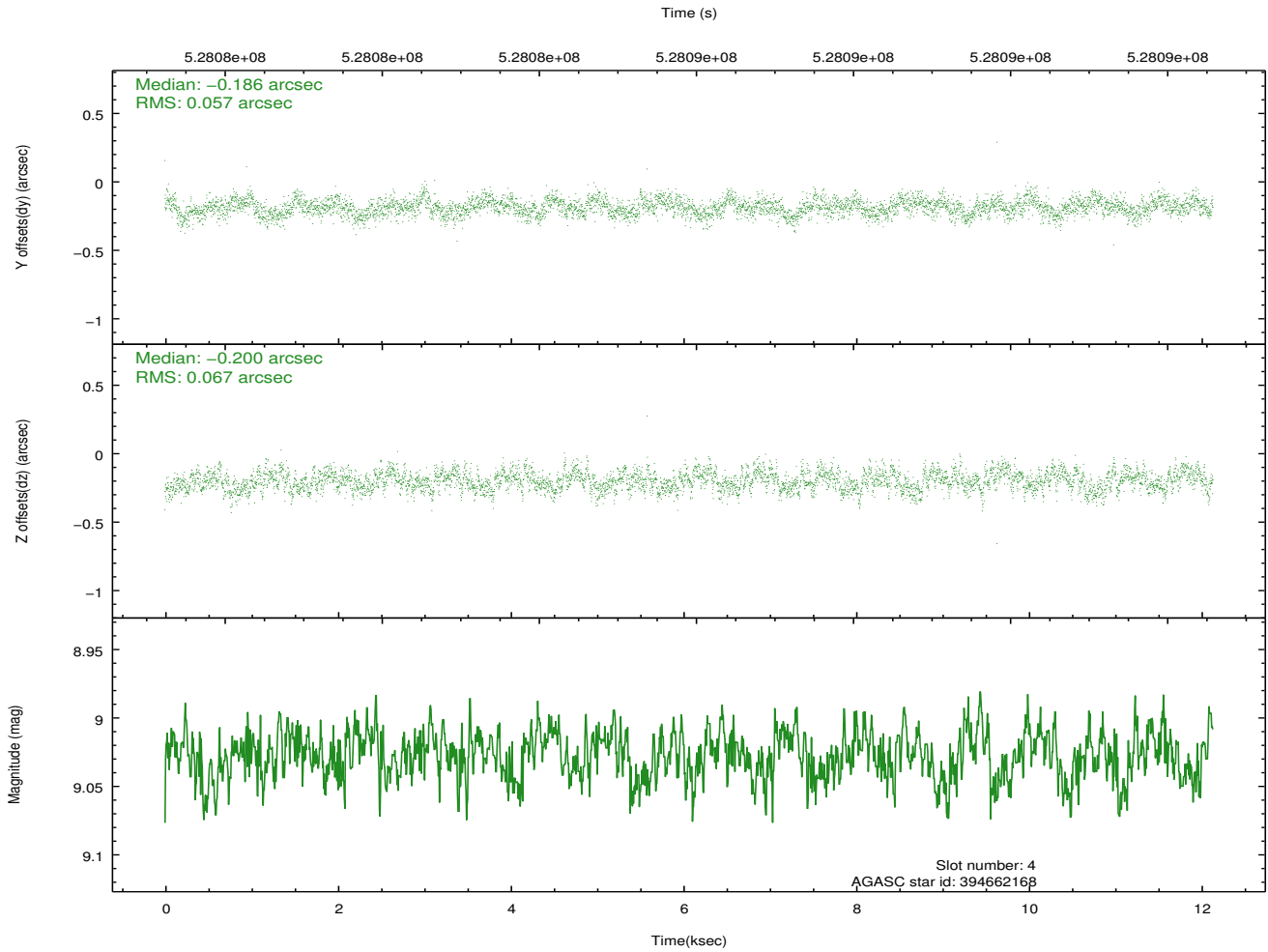
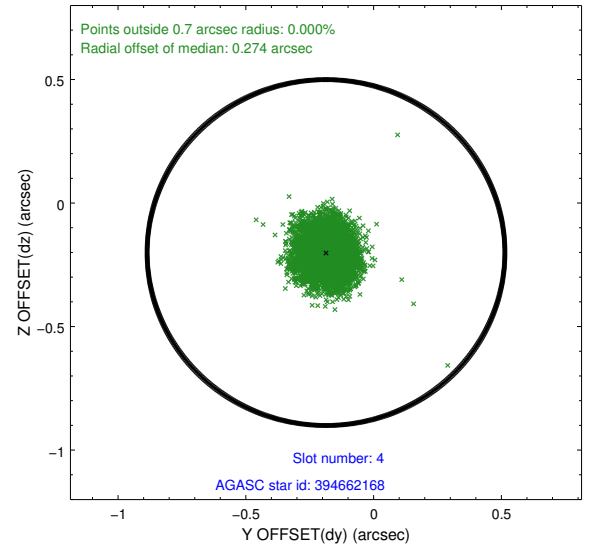
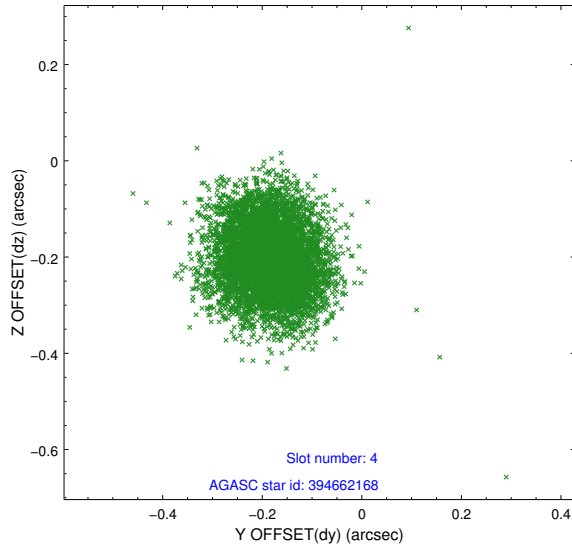
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.09	2960	0.079	-0.033	0.025	0.041	0.000000	0.000000	920.19	-1736.80
1	FID	ACIS-S-5	7.12	2960	-0.195	0.039	0.011	0.017	0.000000	0.000000	-1828.92	160.31
2	FID	ACIS-S-6	7.23	2960	0.094	0.007	0.032	0.051	0.000000	0.000000	385.23	804.77
3	GUIDE	394660400	9.50	5903	0.393	0.629	0.156	0.258	164.358391	42.223136	-2055.56	-2145.38
4	GUIDE	394662168	9.03	5916	-0.186	-0.200	0.095	0.150	164.832309	43.340531	761.20	984.82
5	GUIDE	394662536	9.56	5917	-0.003	-0.444	0.135	0.210	164.039825	43.431467	-982.74	2152.02
6	GUIDE	394800896	8.78	5915	-0.023	0.182	0.093	0.146	165.341450	43.183197	1743.92	-80.42
7	GUIDE	394794272	9.07	5913	-0.180	-0.172	0.138	0.210	165.494302	43.370900	2386.76	371.55

2.4 Star Slots

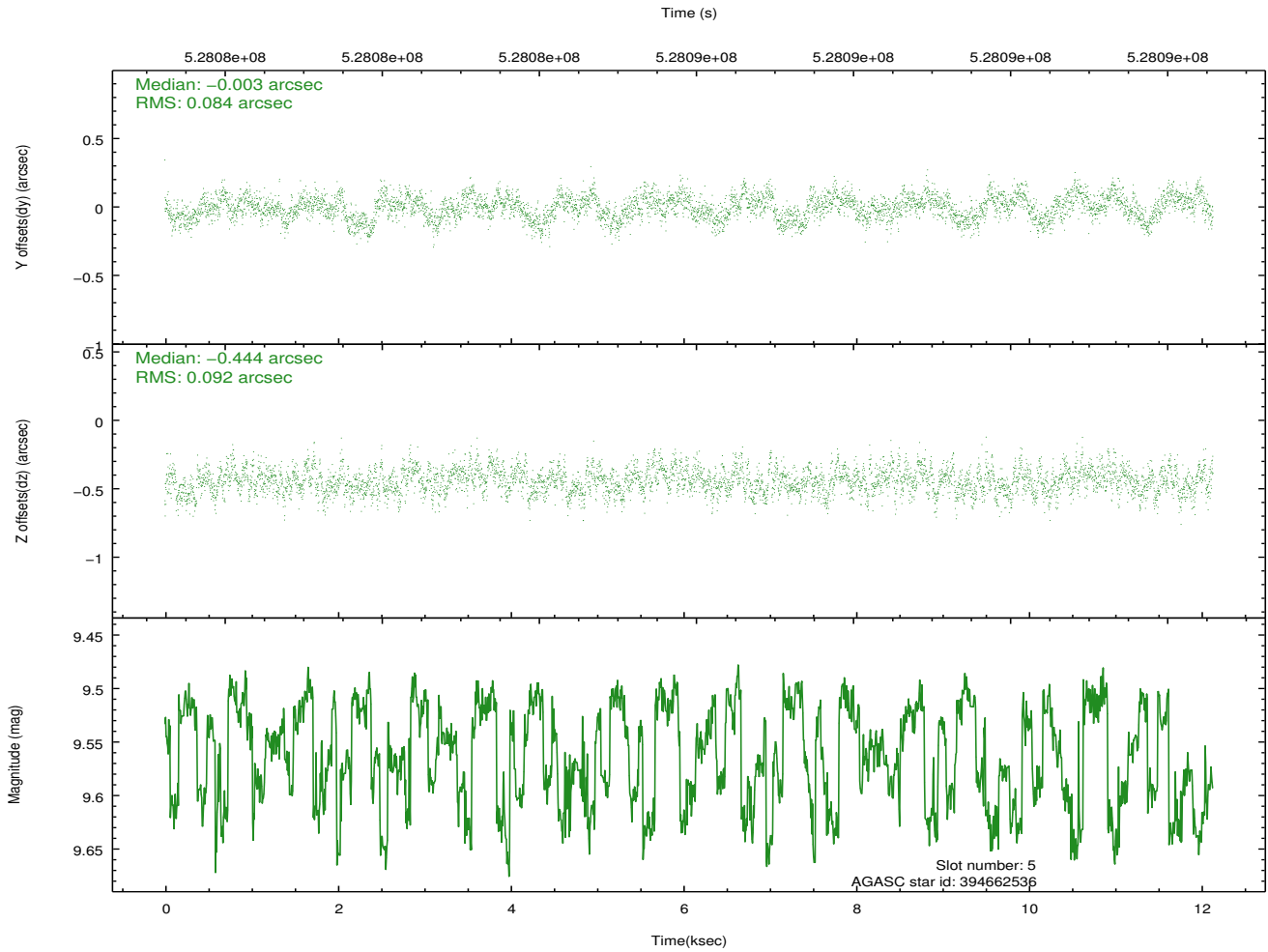
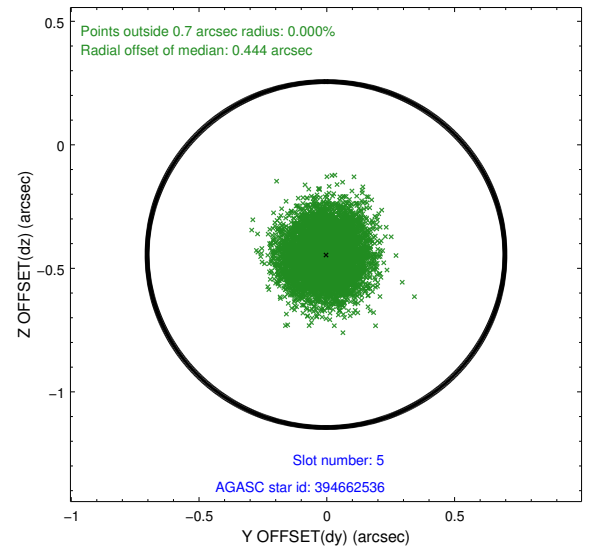
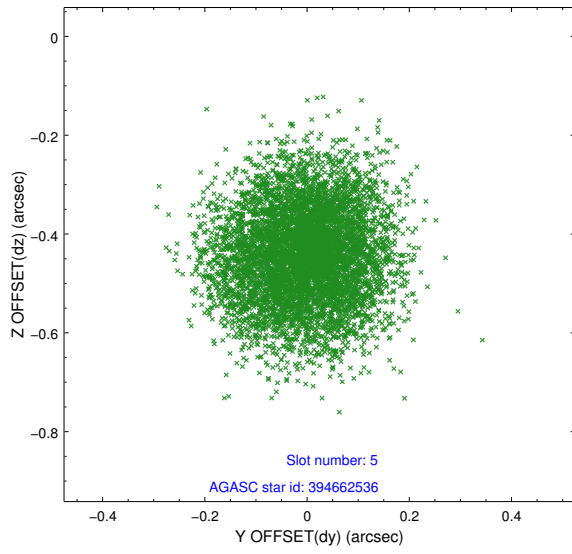
2.4.1 Slot 3



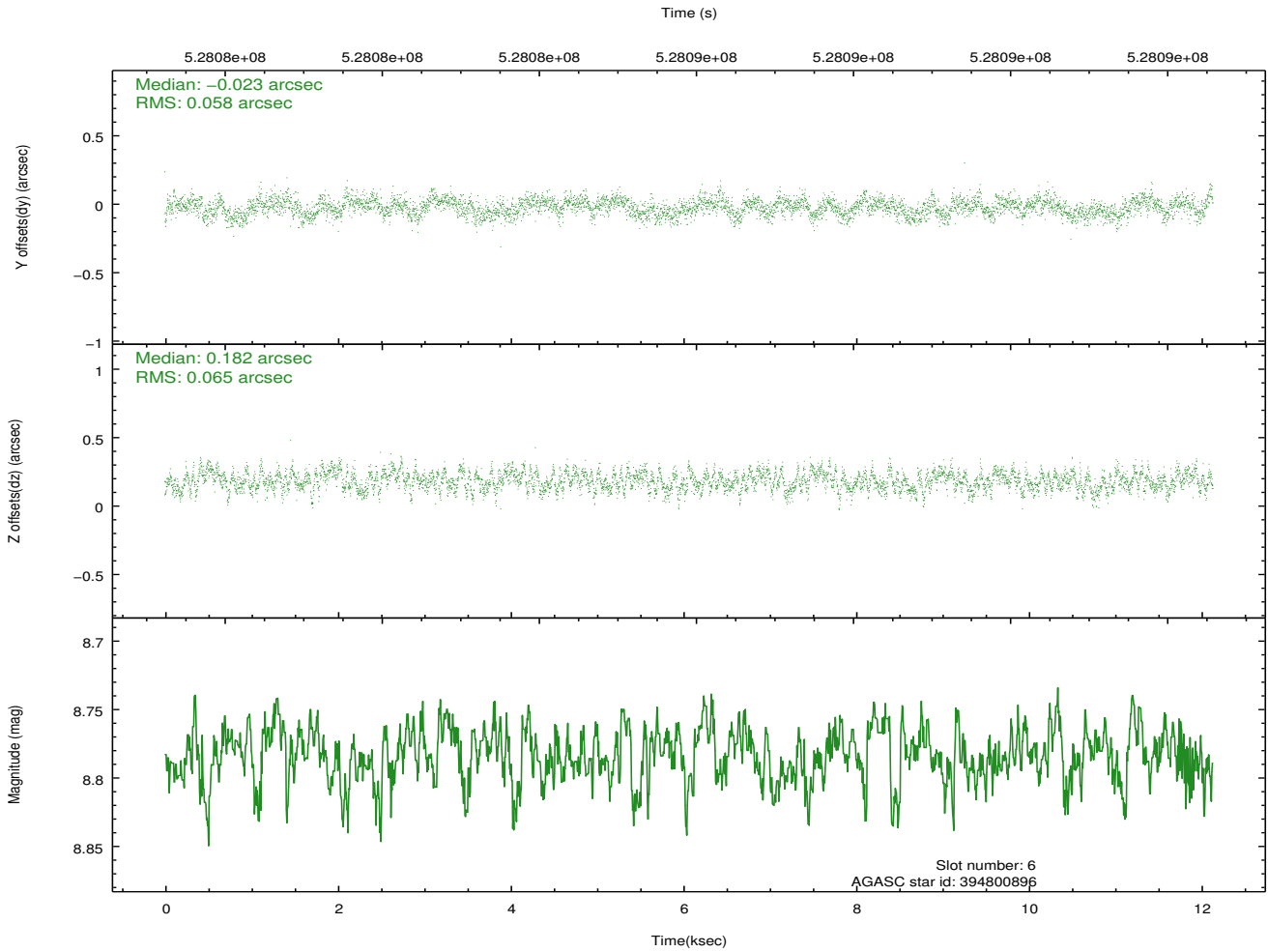
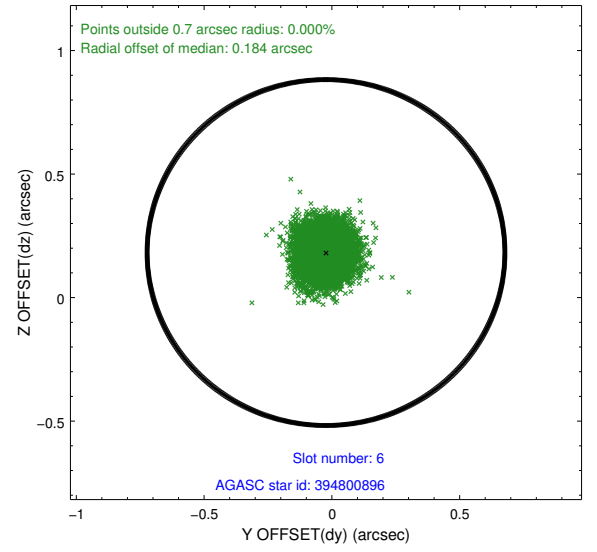
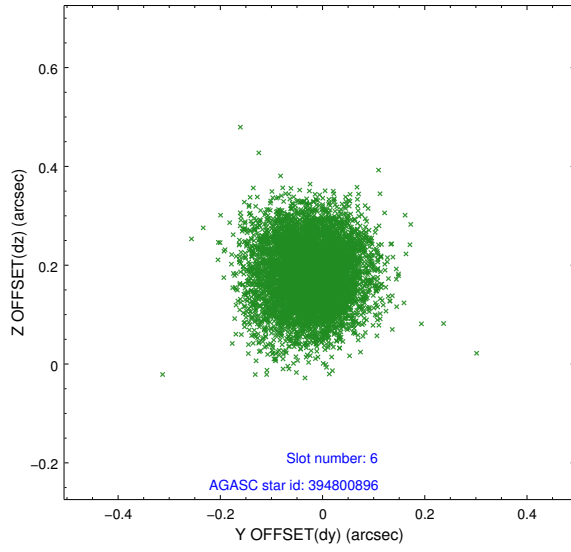
2.4.2 Slot 4



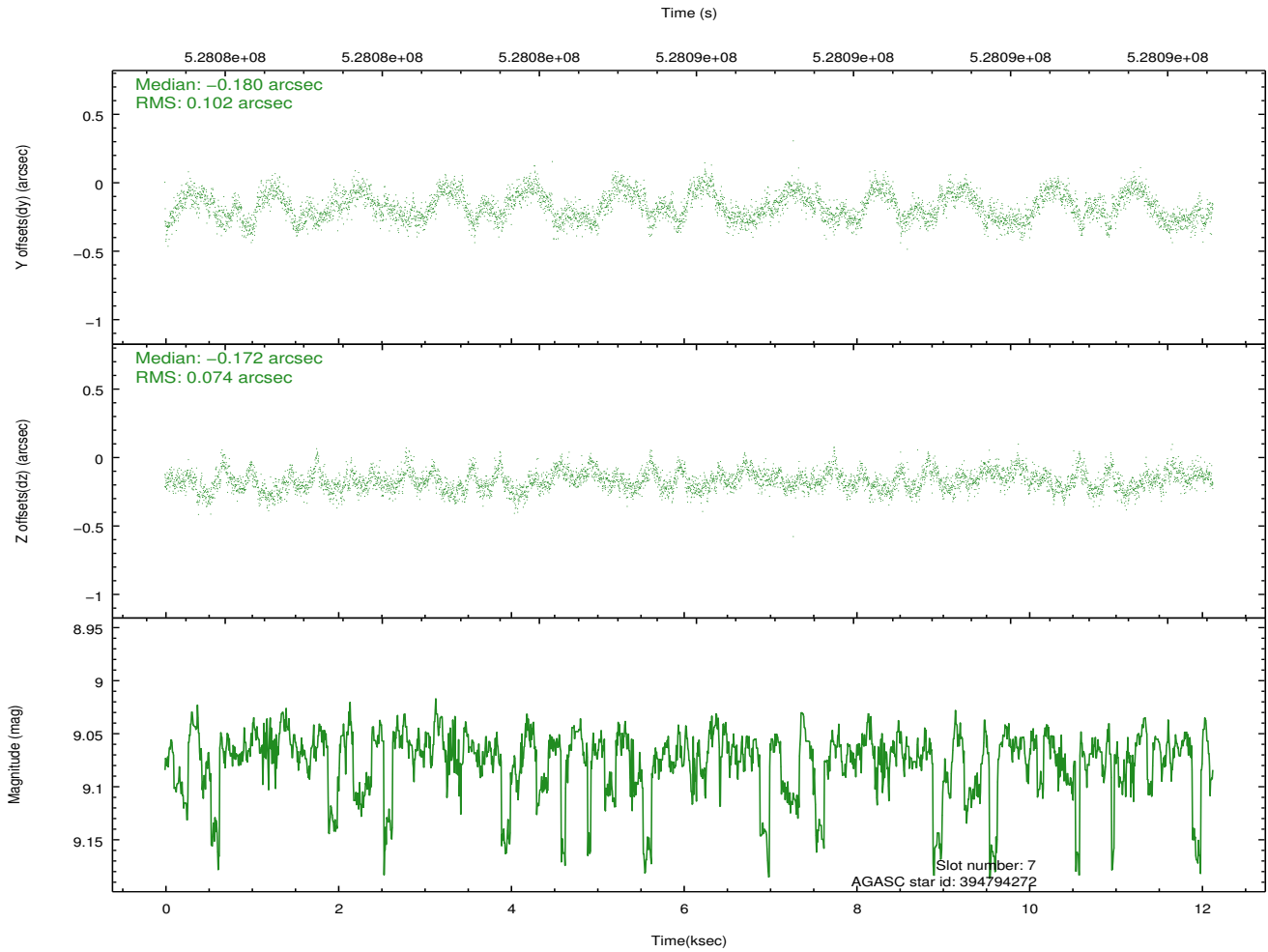
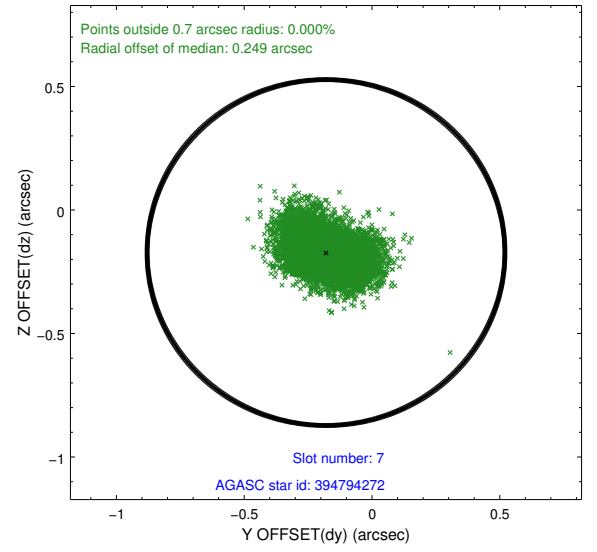
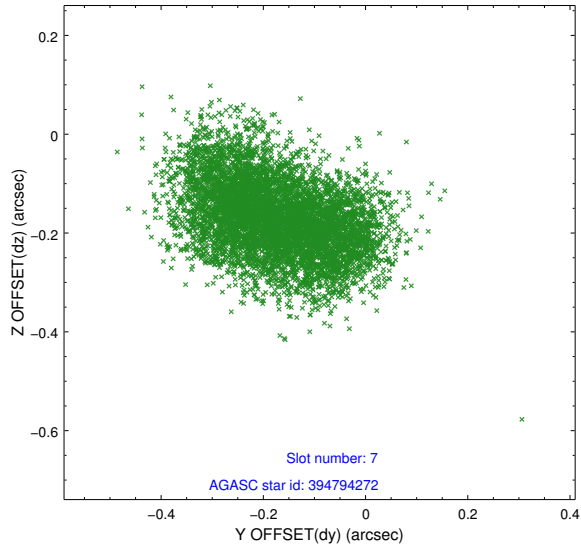
2.4.3 Slot 5



2.4.4 Slot 6

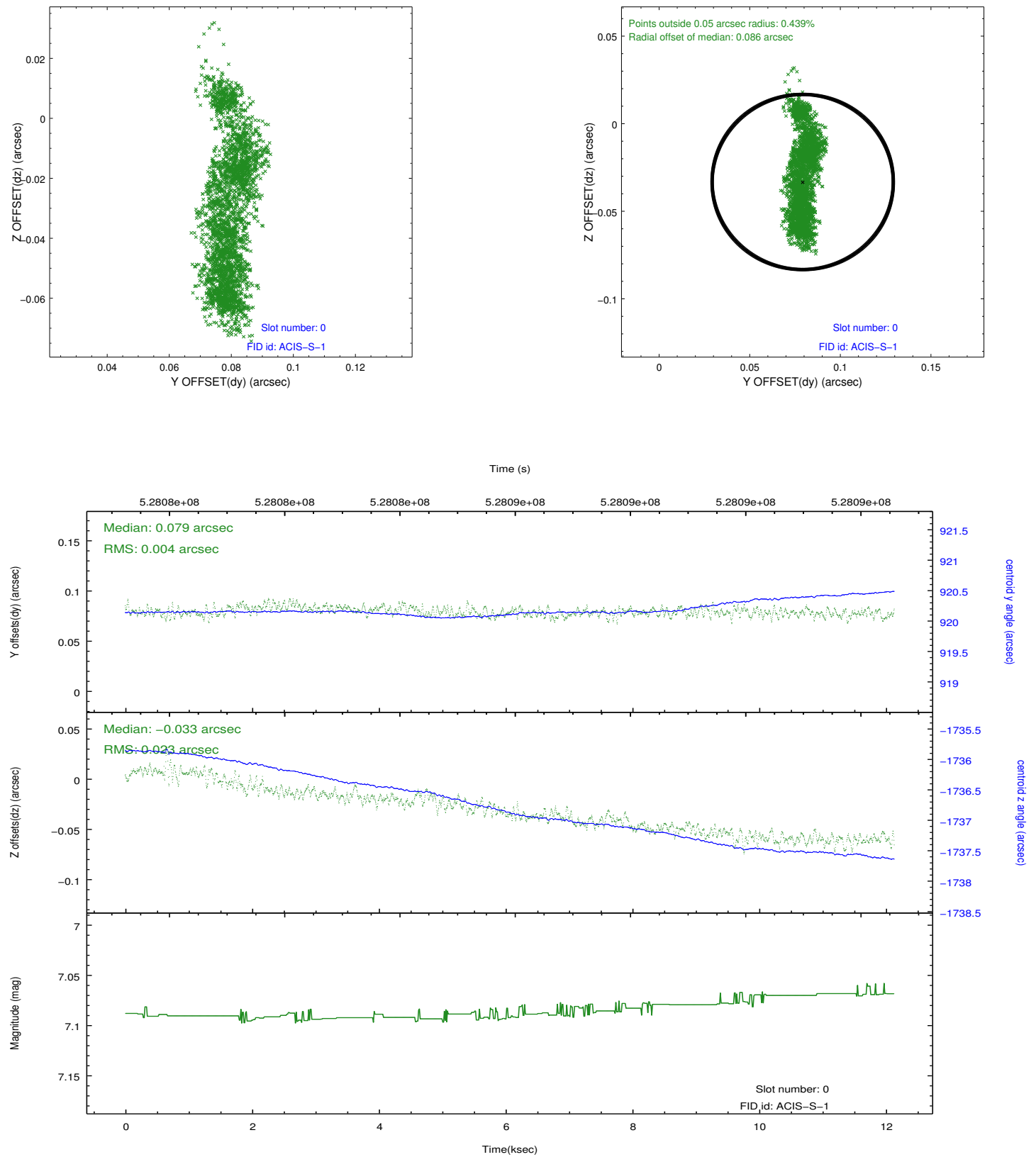


2.4.5 Slot 7

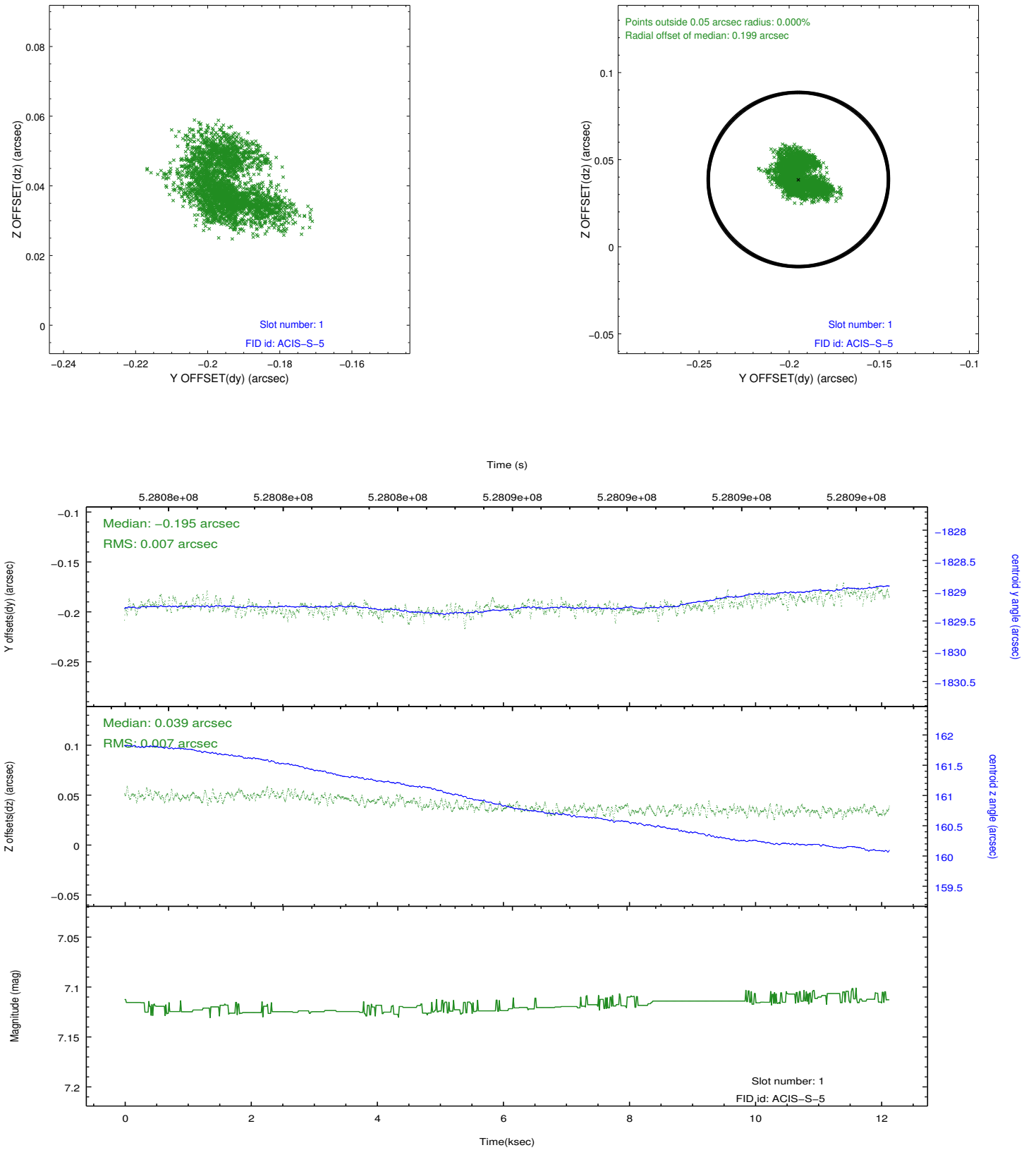


2.5 FID Slots

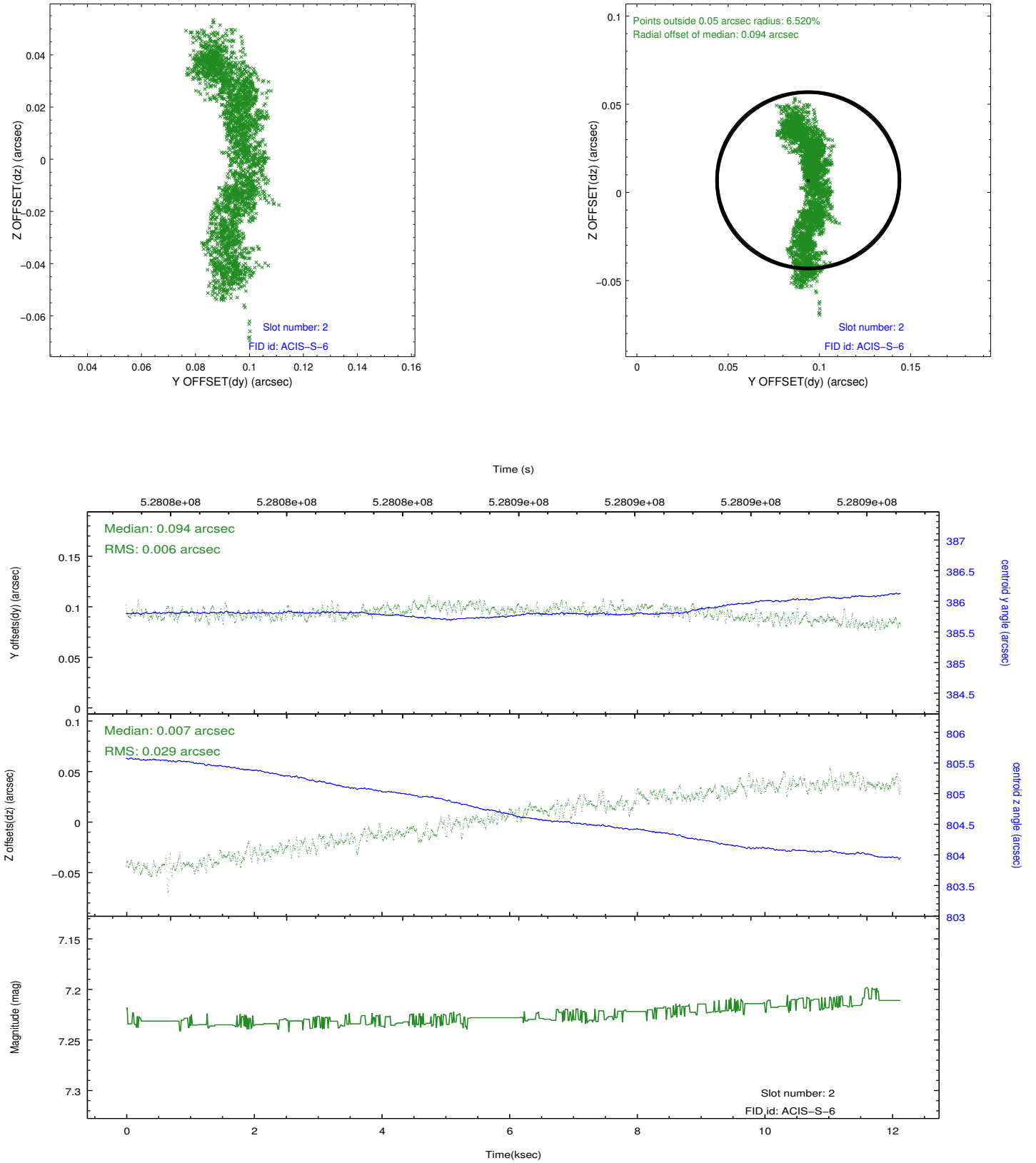
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.791174515426

A.2 Comments