

V&V Reference Report

L2 ASCDS Version : 10.3

Observation 16059 - L2 Version 1
Chandra X-Ray Center

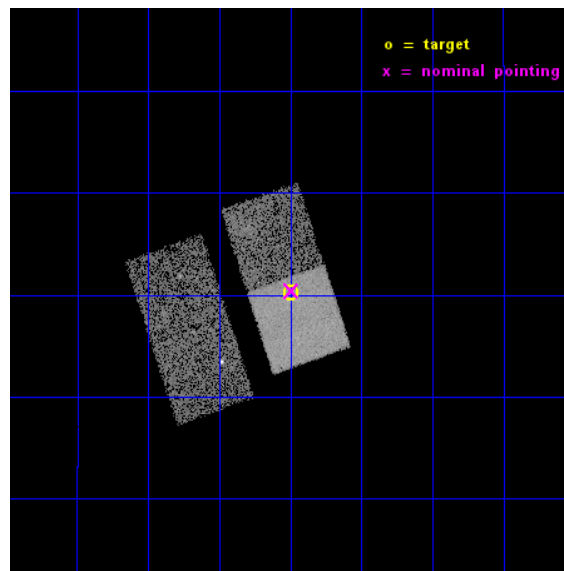
L2 Processing Date : Oct 31 2014

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1 Front

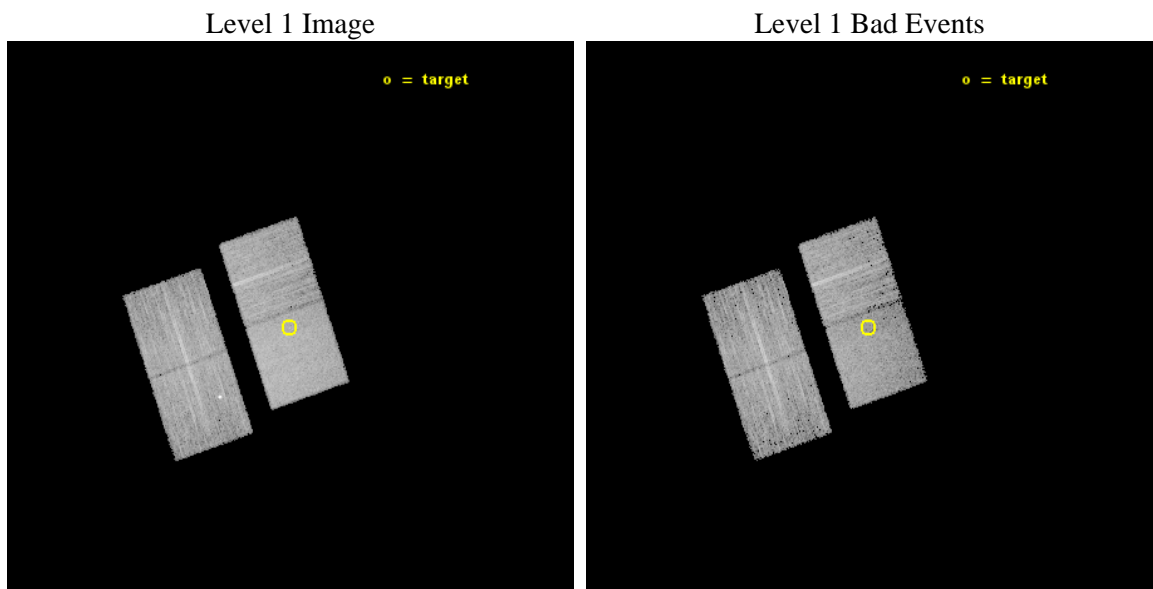
seq_num	702953	Sequence number
obs_id	16059	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C237	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.0	Observer's specified target RA [deg]
dec_targ	7.504528	Observer's specified target Dec [deg]
ra_nom	151.9980991543	Nominal RA [deg]
dec_nom	7.506993693727	Nominal Dec [deg]
roll_nom	71.168447683701	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12077.600092888	Sum of GTIs [s]
livetime	11919.797356274	Livetime [s]
ontime2	12074.459072471	Sum of GTIs [s]
ontime3	12077.600092888	Sum of GTIs [s]
ontime6	12077.600092888	Sum of GTIs [s]
ontime7	12077.600092888	Sum of GTIs [s]
l2events	53310	Number of level 2 events



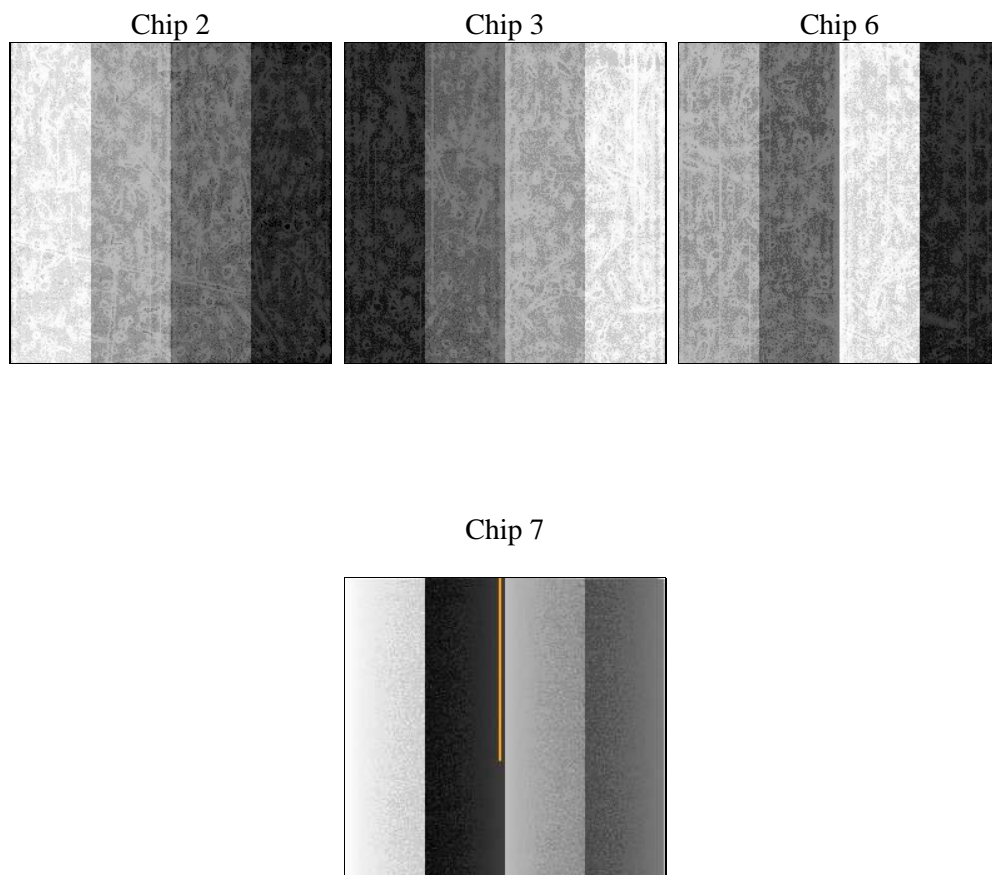
2 OBI

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	10.3	Processing system revision	ontime	12077.600092888	Sum of GTIs [s]
caldsver	4.6.4	 	ontime2	12074.459072471	Sum of GTIs [s]
date	2014-10-31T13:49:16	Date and time of file creation	ontime3	12077.600092888	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12077.600092888	Sum of GTIs [s]
			ontime7	12077.600092888	Sum of GTIs [s]
			l1events	260606	Number of level 1 events

2.1.4 Events

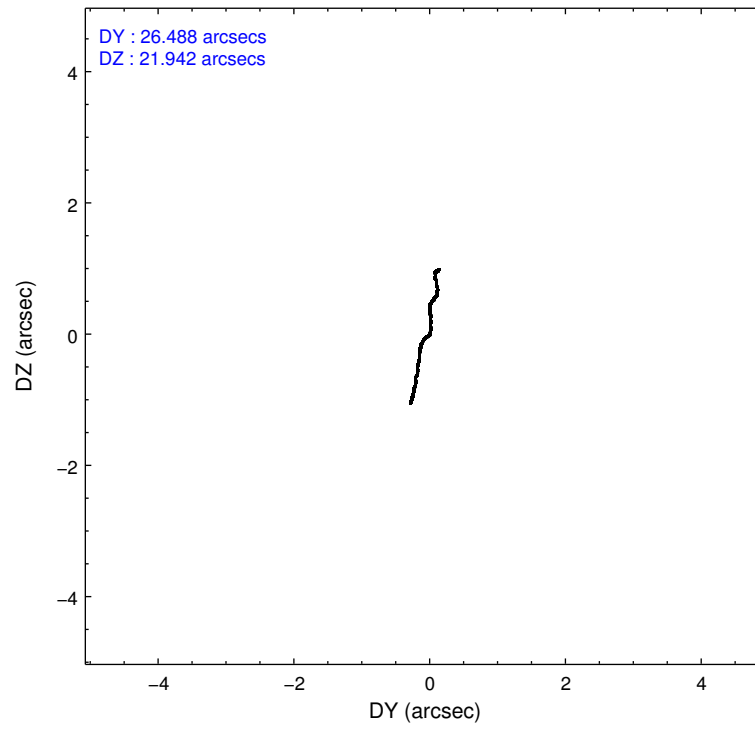
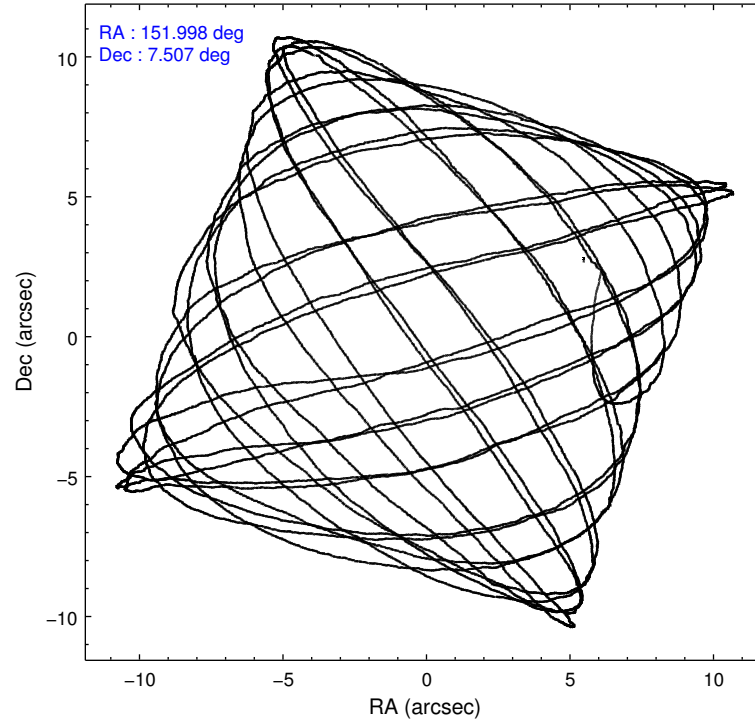
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	58870	58630	62445	80661
rejected events	52094	50937	54965	45590
rejected %	88%	86%	88%	56%

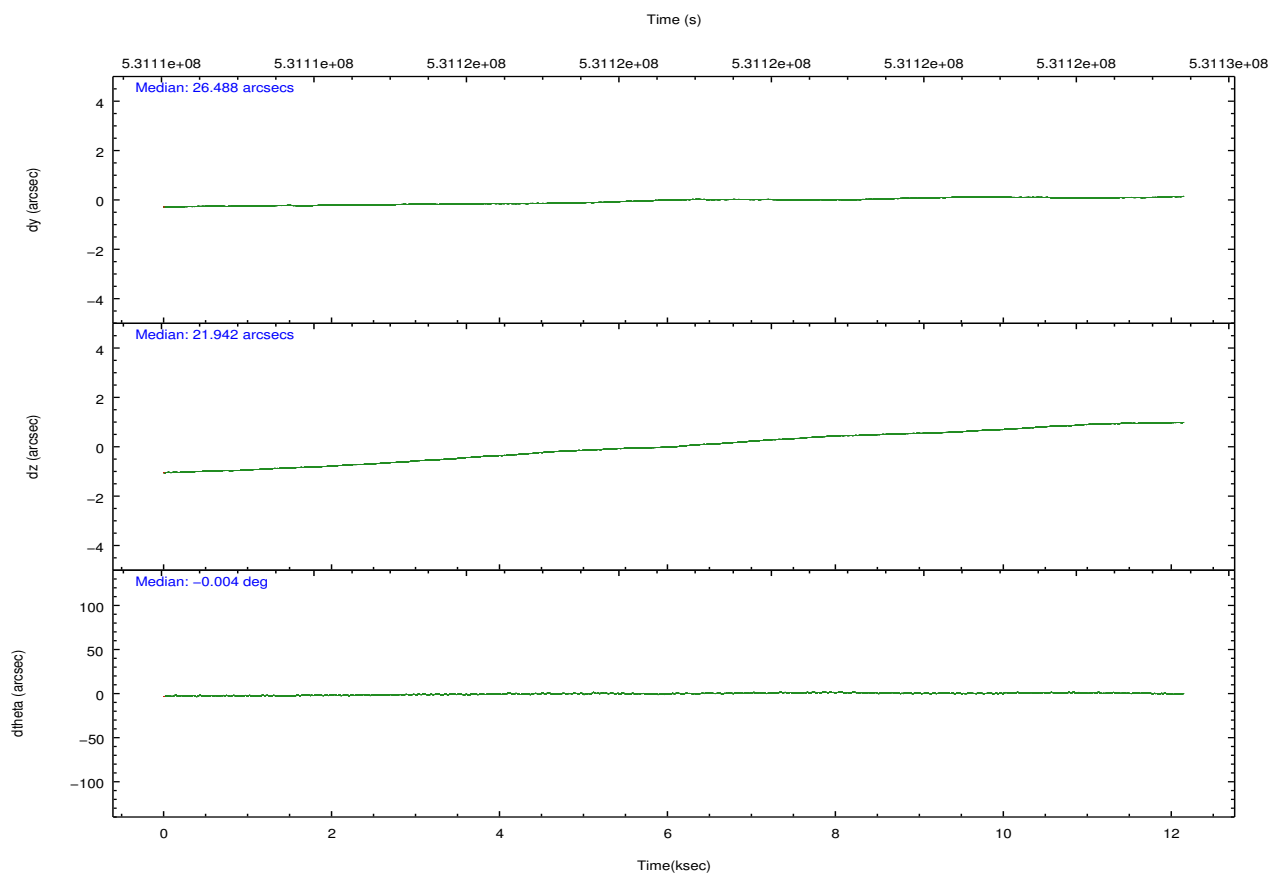
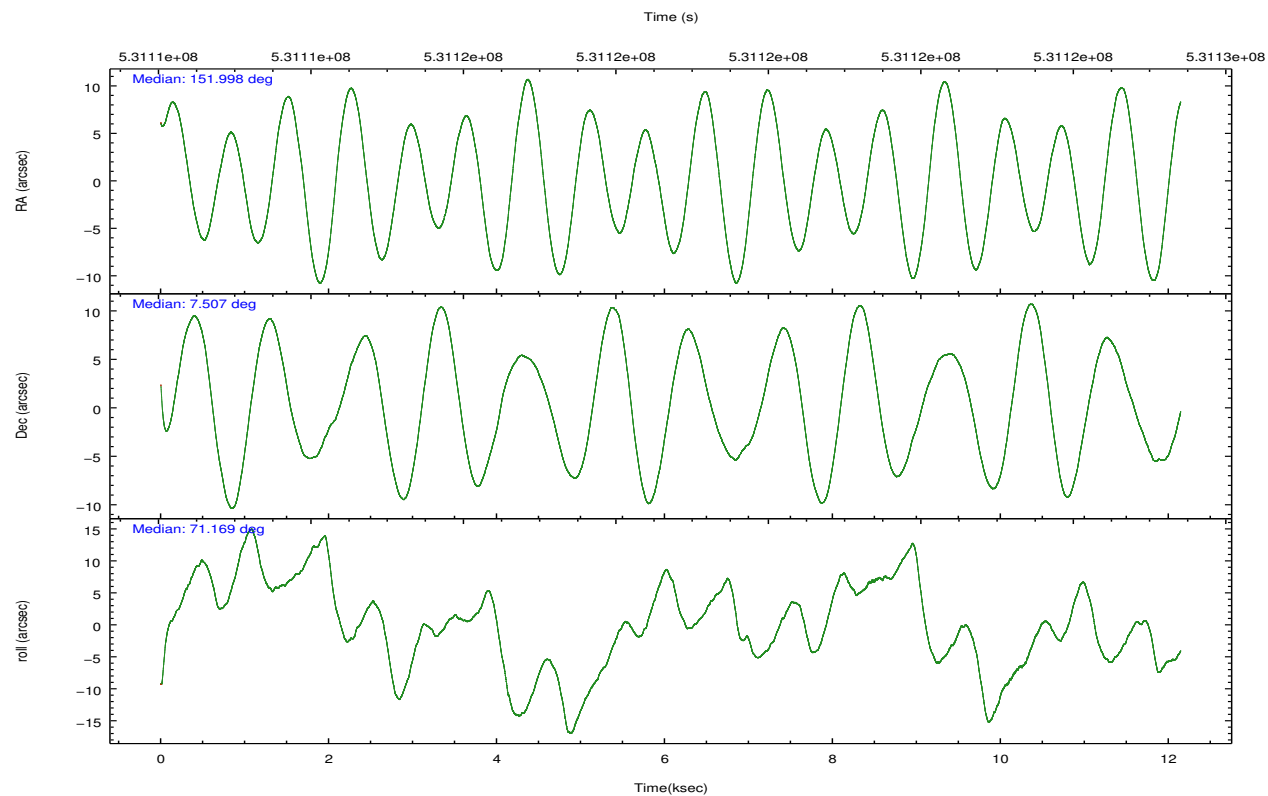
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2434	3092	2577	3012
	4%	5%	4%	3%
grade 1 events	31	32	33	102
	0%	0%	0%	0%
grade 2 events	1615	1600	1696	7302
	2%	2%	2%	9%
grade 3 events	737	793	701	2977
	1%	1%	1%	3%
grade 4 events	705	737	707	2857
	1%	1%	1%	3%
grade 5 events	2765	3103	3151	8154
	4%	5%	5%	10%
grade 6 events	1286	1474	1801	18938
	2%	2%	2%	23%
grade 7 events	49297	47799	51779	37319
	83%	81%	82%	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	152.003800	151.9980991542984	CCD I2 on	O1	Y
[deg] Pointing Dec	7.480144	7.506993693727001	CCD I3 on	O2	Y
[deg] Pointing Roll	71.011095	71.16844768370096	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	531112788.184000	531111530.07922	CCD S5 on	N	N
Observation start date	2014-10-31T03:18:41	2014-10-31T02:58:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	531124788.184000	531125813.96751	On-chip summing requested	N	N
Observation end date	2014-10-31T06:38:41	2014-10-31T06:56:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



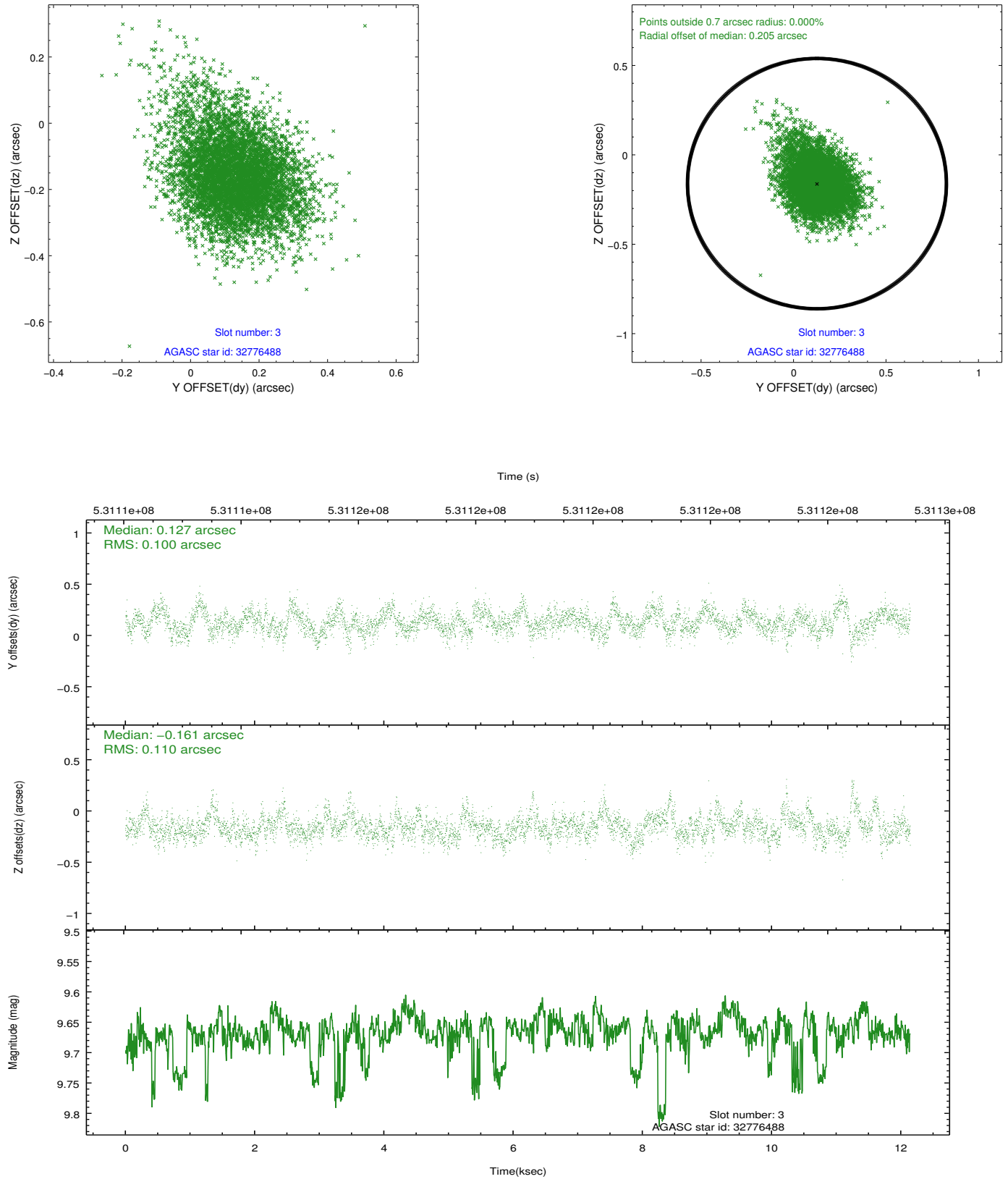


Slot Statistics

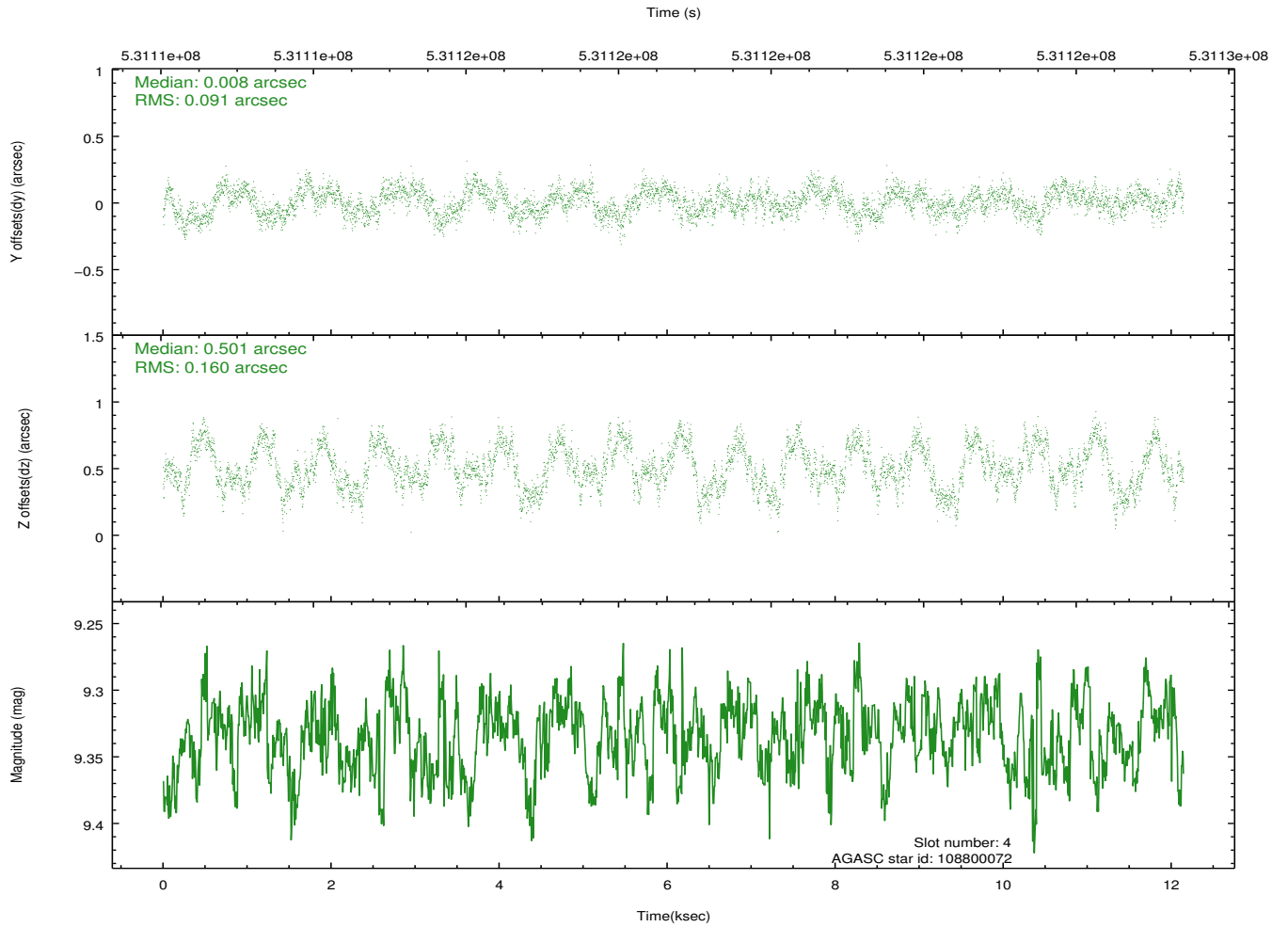
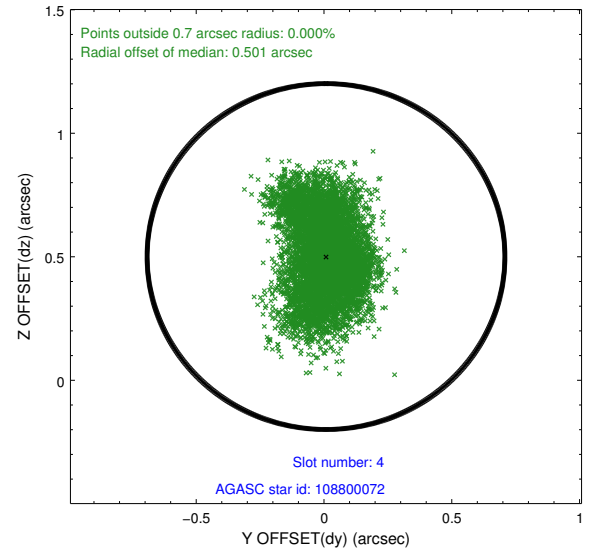
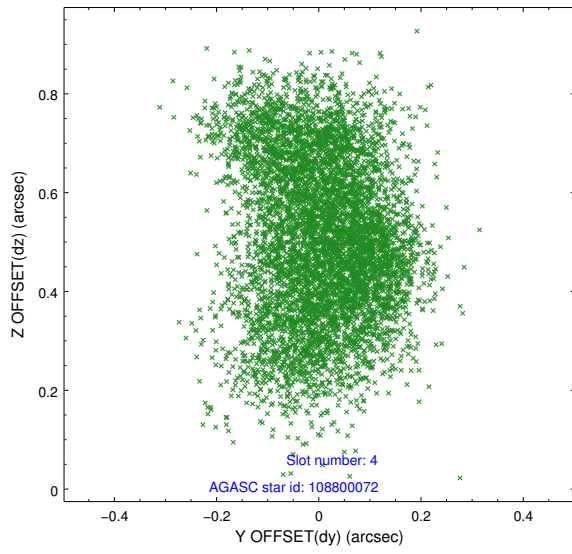
lot	status	used	id	mag	n_pts	med_dy	med_dz	drl	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.05	2963	-0.170	-0.050	0.024	0.044	0.000000	0.000000	-779.89	-1743.56
1	FID		ACIS-S-4	7.15	2963	0.364	0.095	0.006	0.010	0.000000	0.000000	2133.74	164.67
2	FID		ACIS-S-5	7.18	2962	-0.223	-0.036	0.022	0.040	0.000000	0.000000	-1832.25	158.64
3	GUIDE	used	32776488	9.67	5920	0.127	-0.161	0.152	0.261	151.268098	7.195748	-1821.30	2152.44
4	GUIDE	used	108800072	9.33	5924	0.008	0.501	0.200	0.312	152.088298	7.573313	415.10	-174.69
5	GUIDE	used	108800376	8.50	5921	-0.396	-0.177	0.103	0.163	151.577224	7.944394	1085.51	1982.27
6	GUIDE	used	32769032	8.01	5922	0.464	0.155	0.083	0.141	151.656515	6.905548	-2359.27	499.87
7	BAD	used	32902072	10.03	5564	-0.219	-0.352	0.258	0.387	152.546845	7.043099	-855.17	-2345.34

2.4 Star Slots

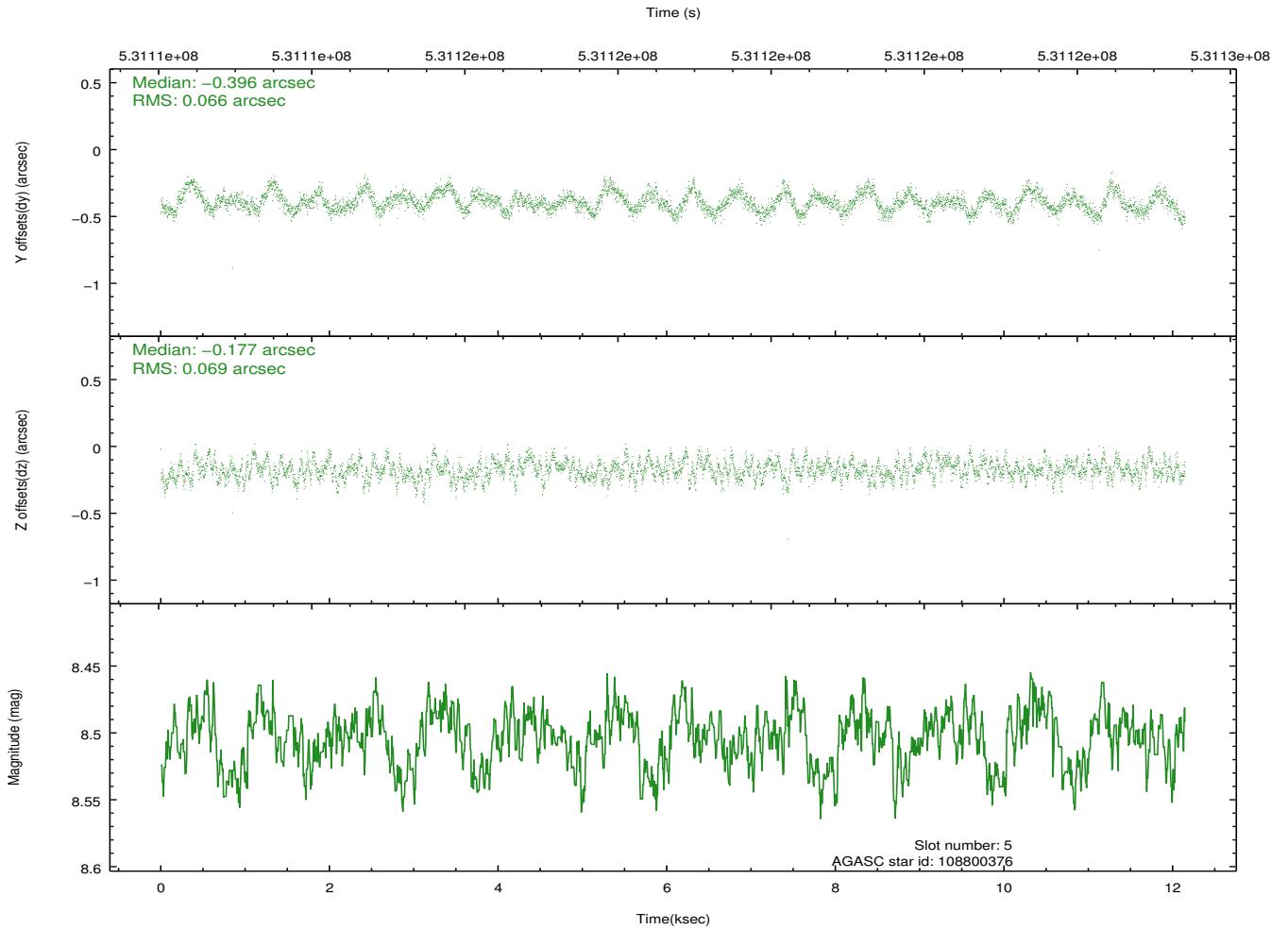
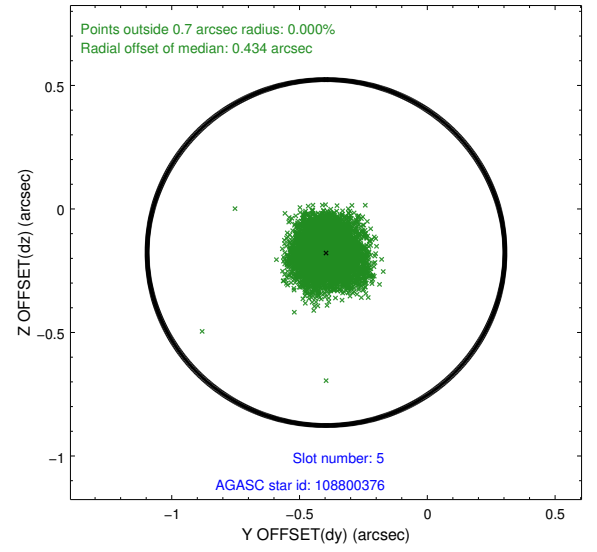
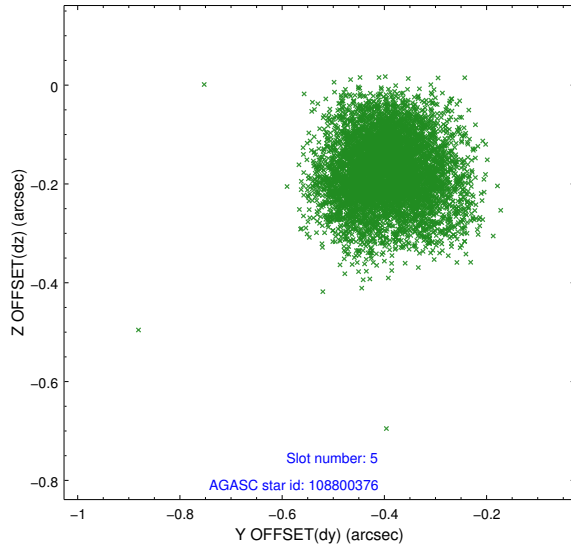
2.4.1 Slot 3



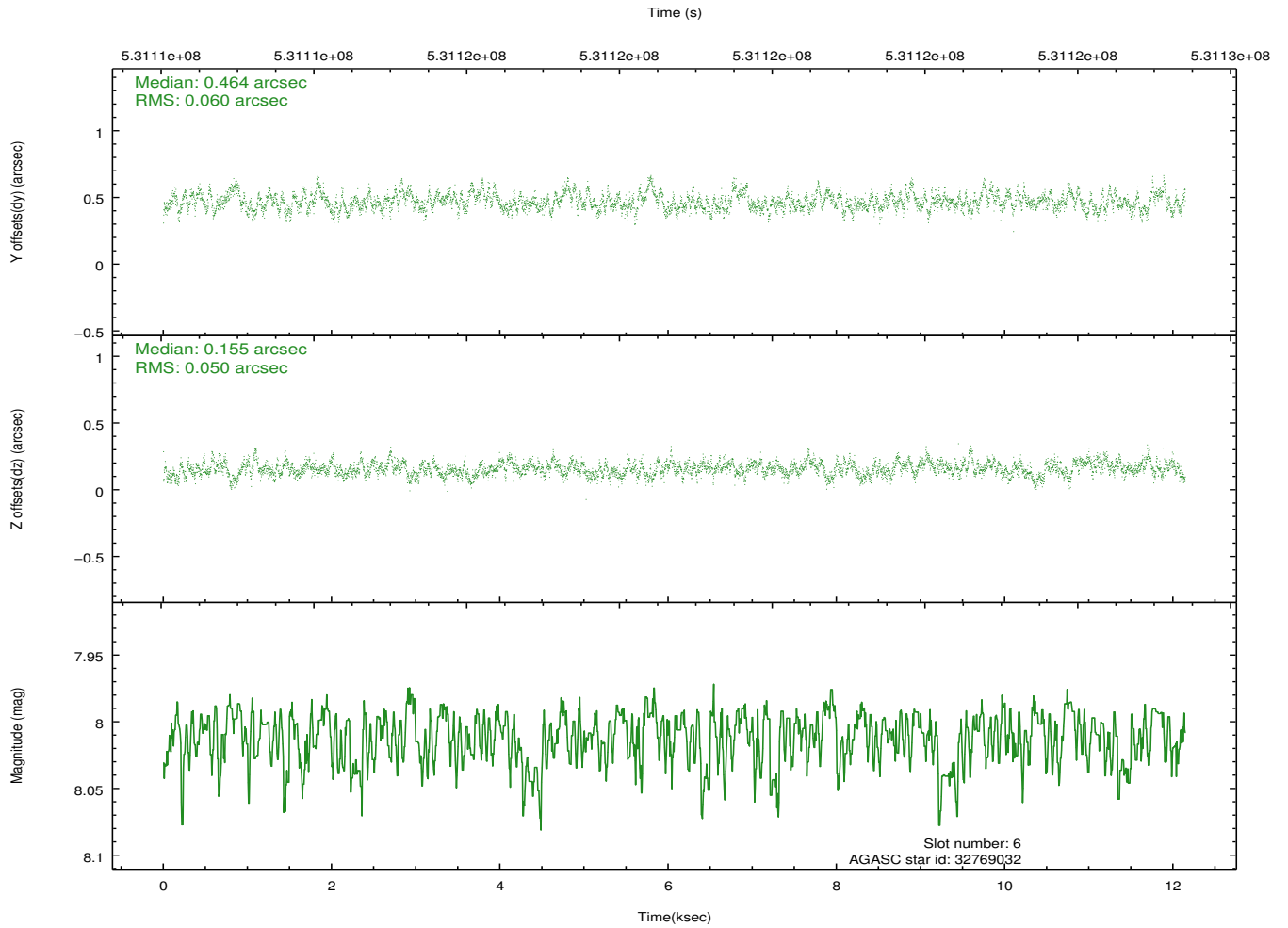
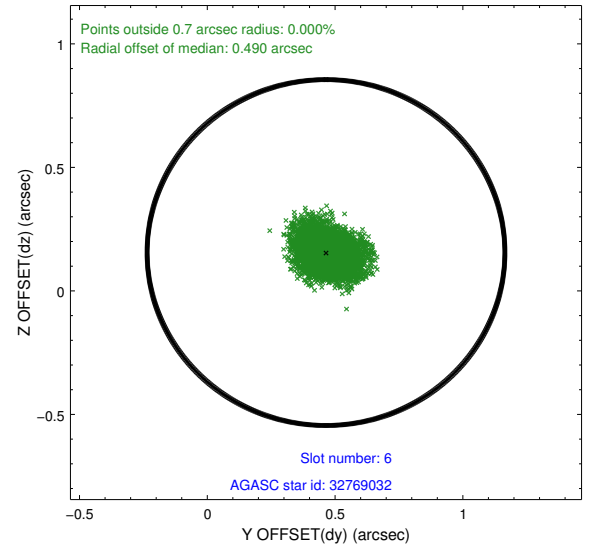
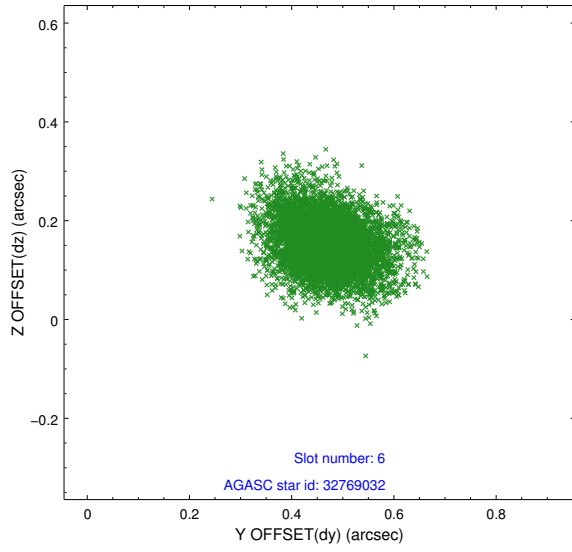
2.4.2 Slot 4



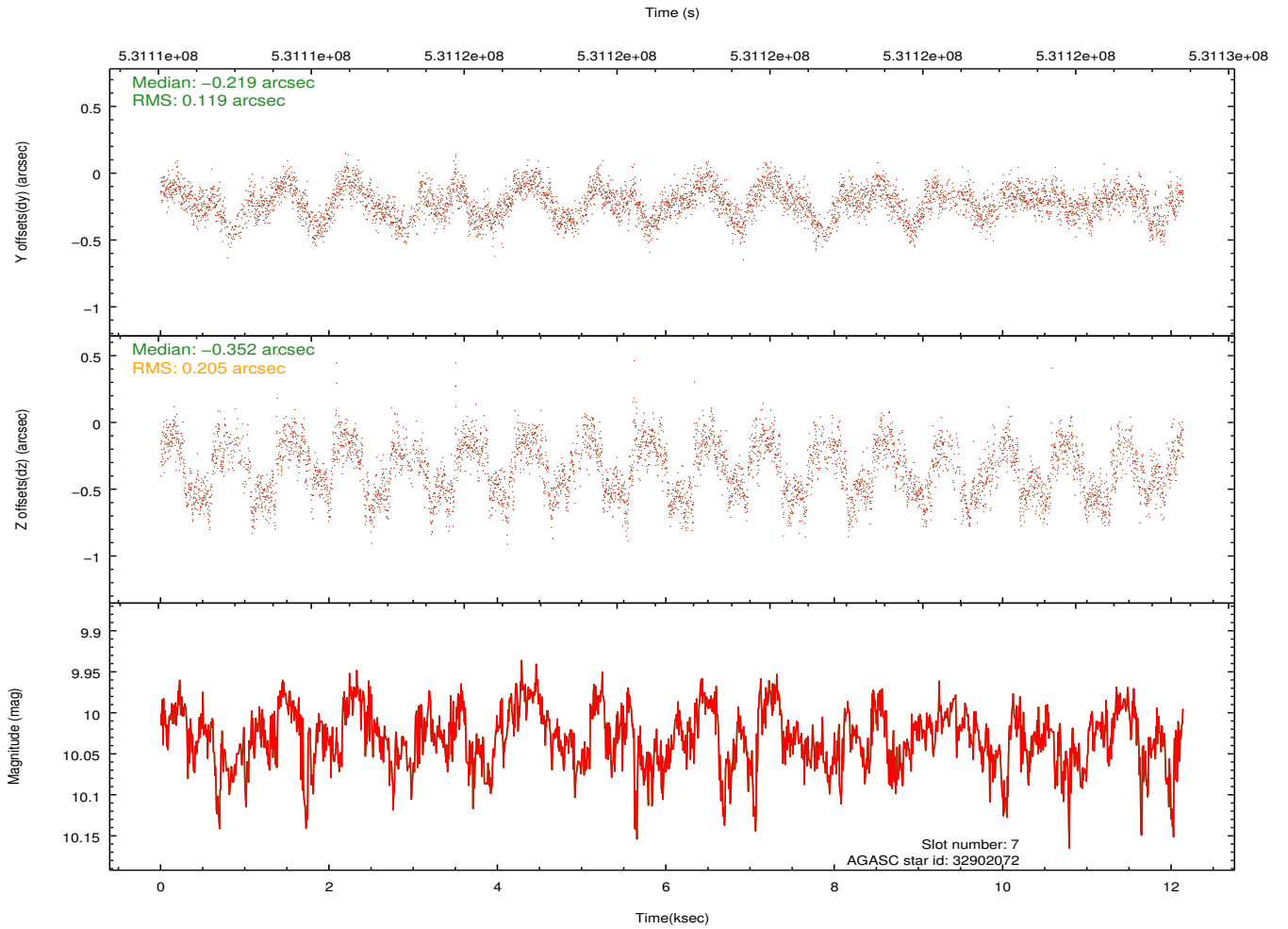
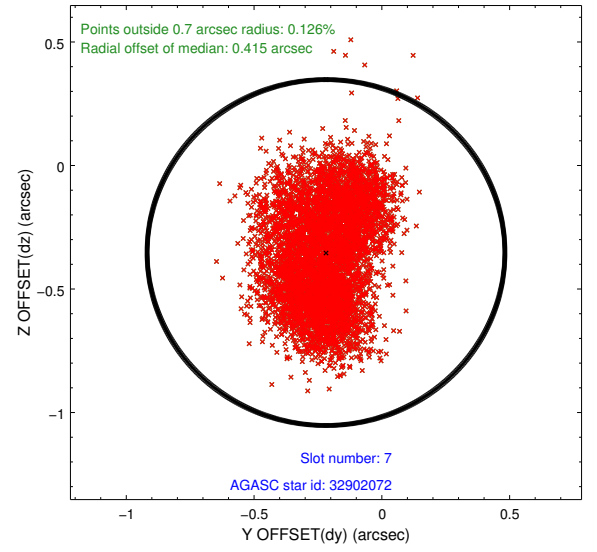
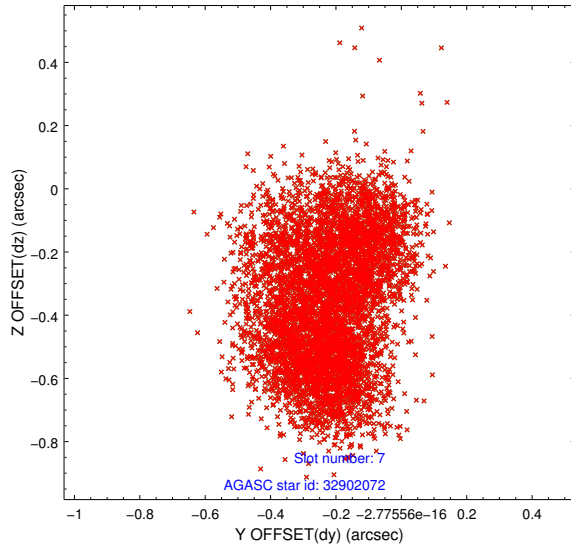
2.4.3 Slot 5



2.4.4 Slot 6

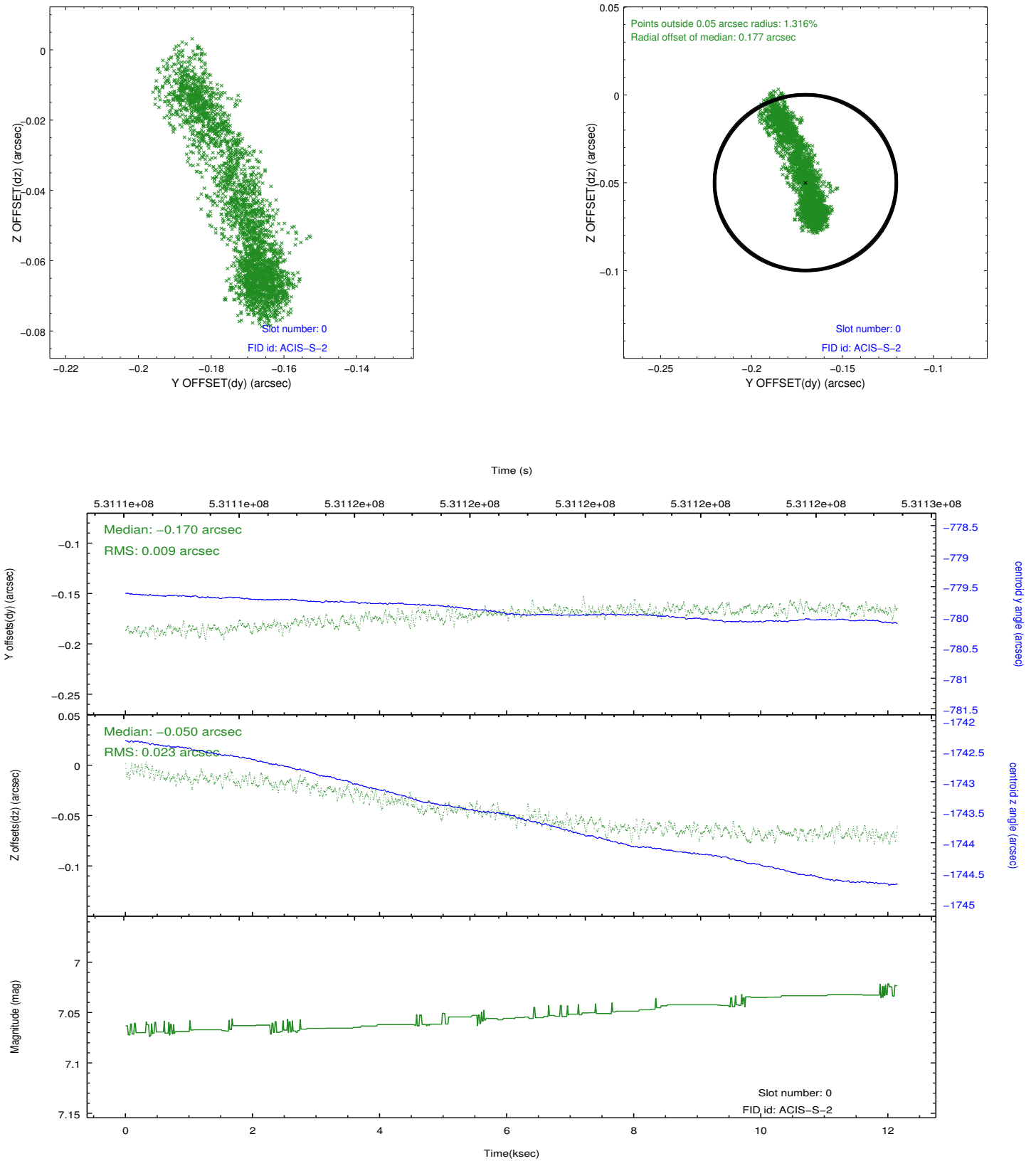


2.4.5 Slot 7

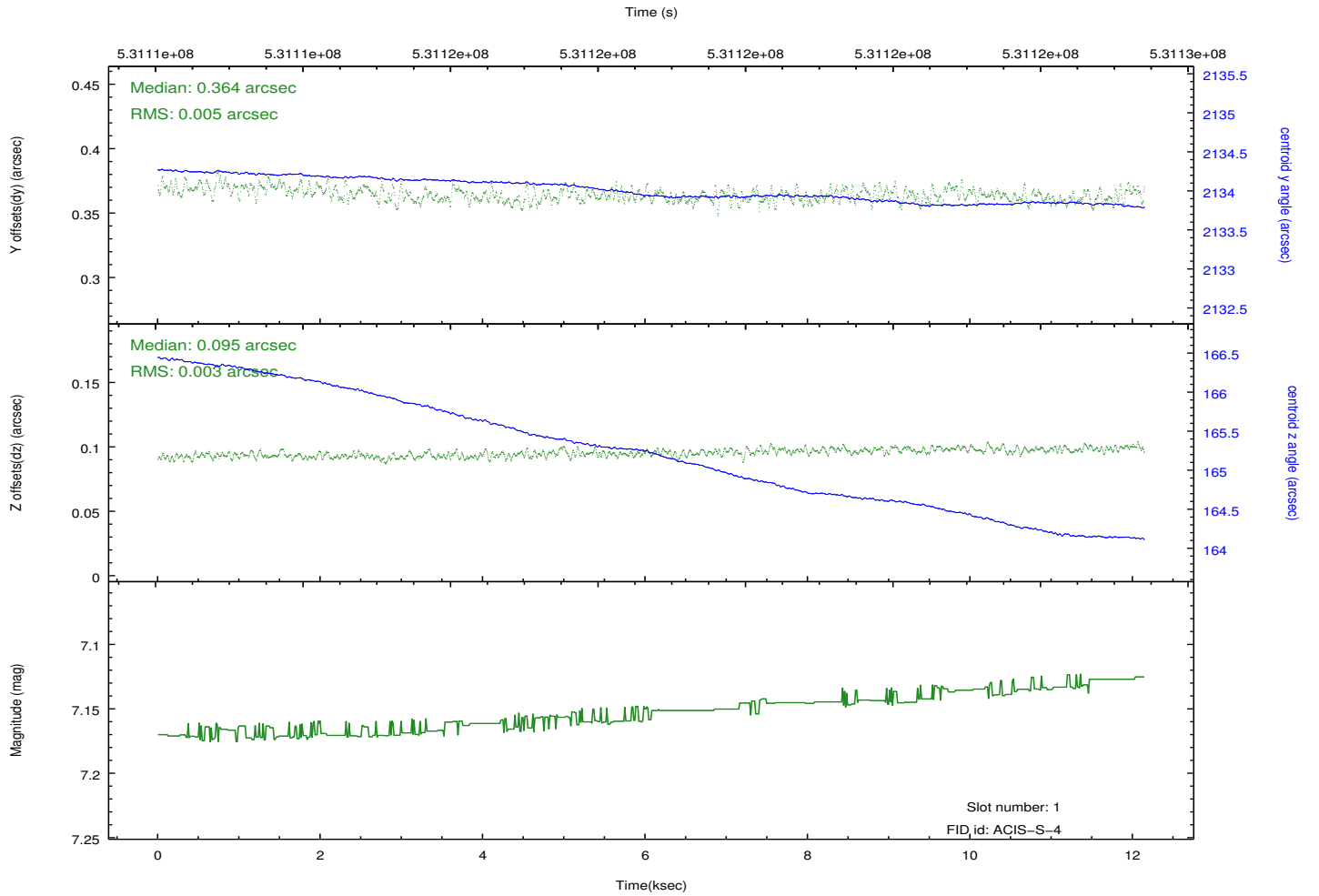
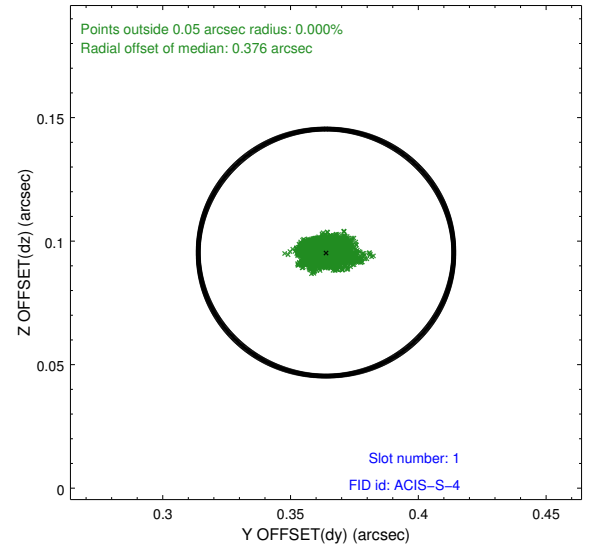
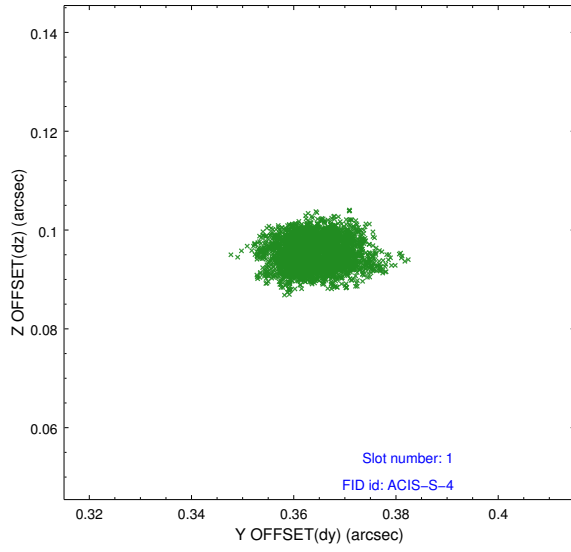


2.5 FID Slots

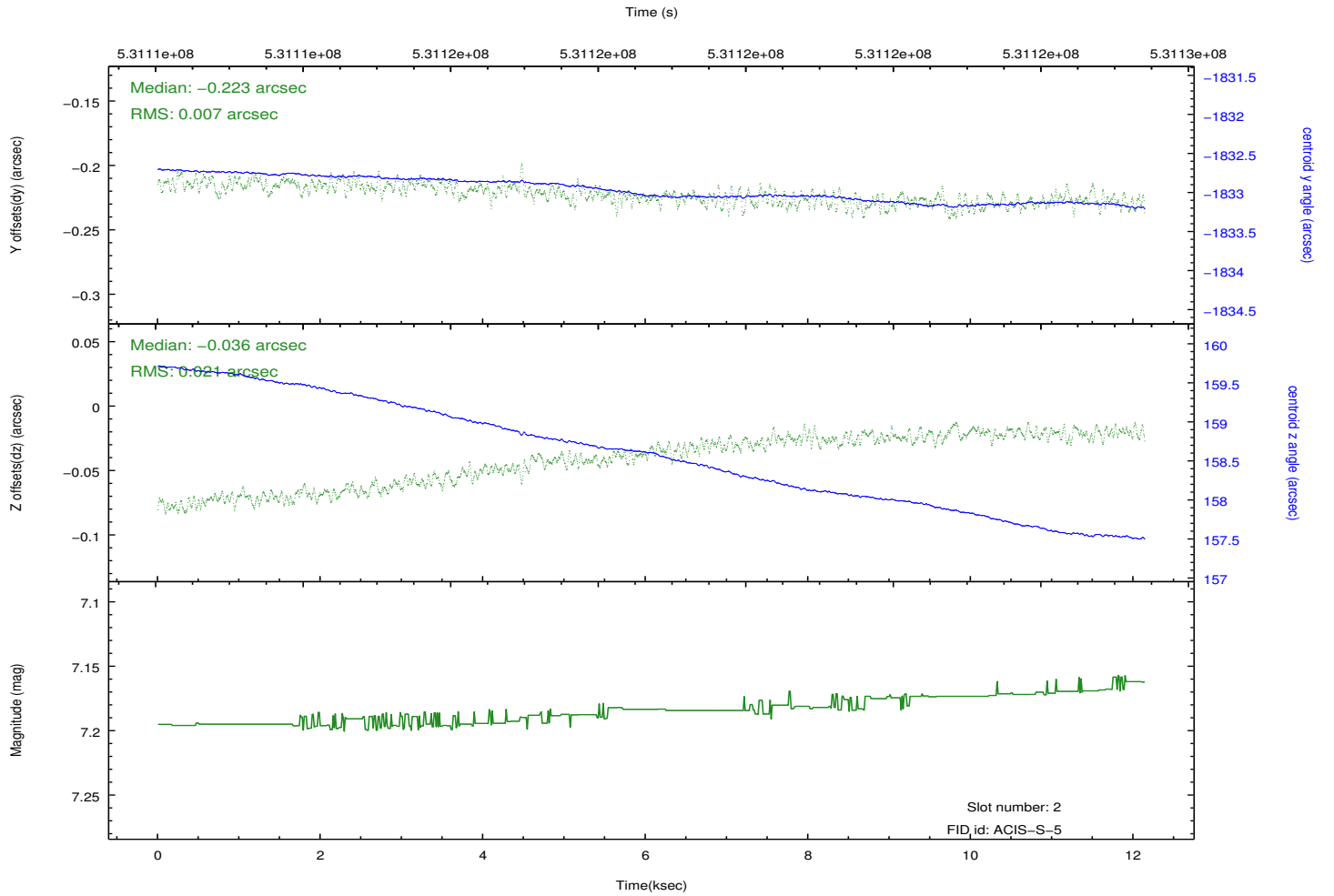
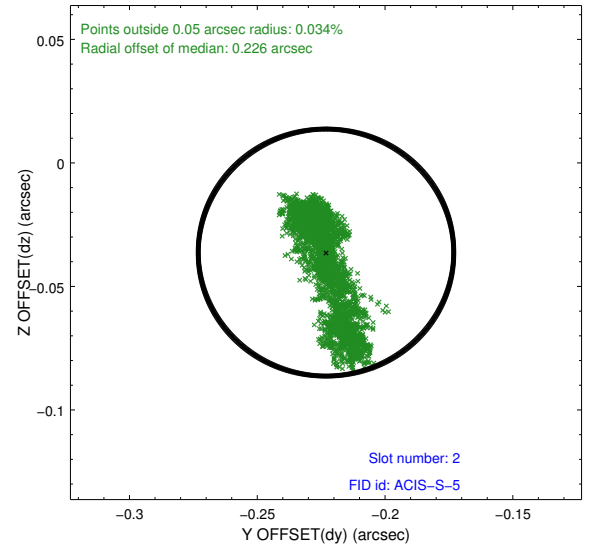
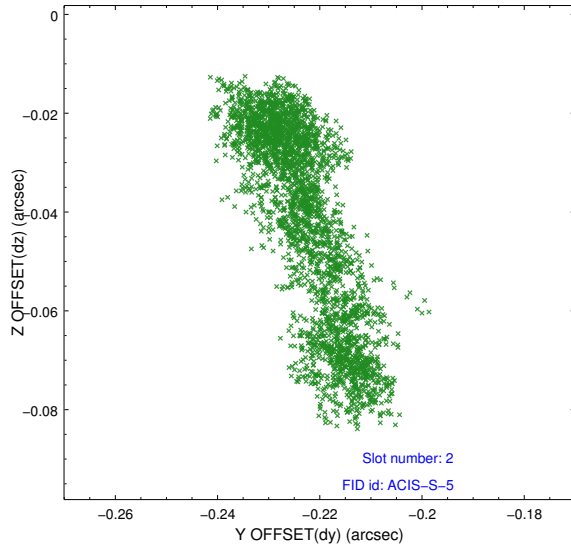
2.5.1 Slot 0



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)	2014.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.077600092888

A.2 Comments