

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17034 - L2 Version 1
Chandra X-Ray Center

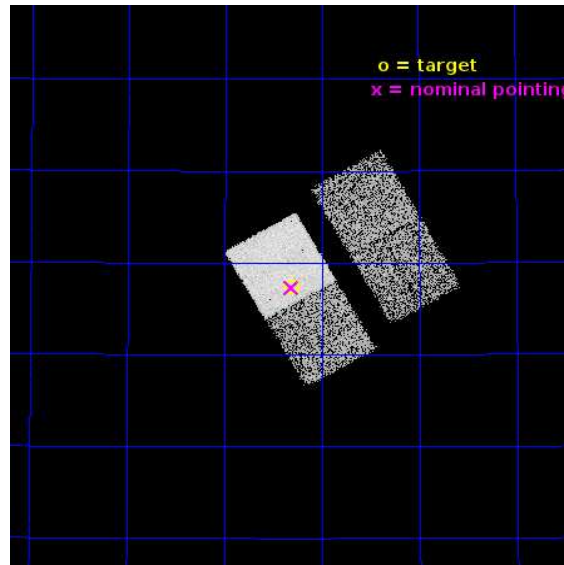
L2 Processing Date : Apr 6 2016

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1 Front

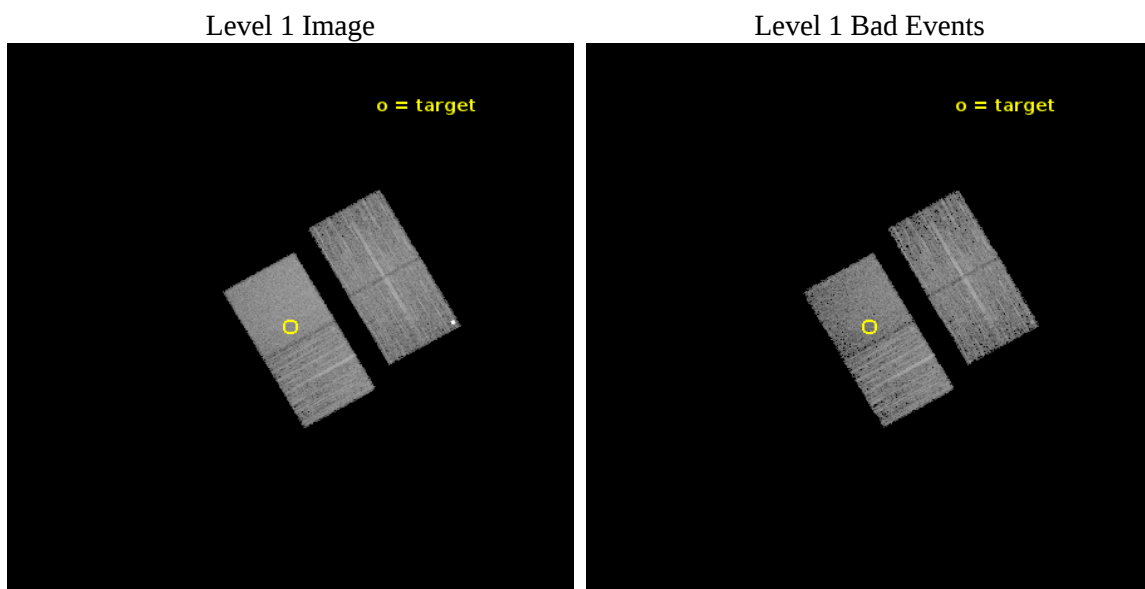
seq_num	703038	Sequence number
obs_id	17034	Observation id
title	Probing the Growth of Massive Black Holes in Dwarf Galaxies with Chandra and HST	Proposal title
observer	Dr. Amy Reines	Principal investigator
object	J095418.15+471725.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.575833	Observer's specified target RA [deg]
dec_targ	47.290306	Observer's specified target Dec [deg]
ra_nom	148.57858729671	Nominal RA [deg]
dec_nom	47.288252687607	Nominal Dec [deg]
roll_nom	240.1546191227	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8063.1000621319	Sum of GTIs [s]
livetime	7957.7497238522	Livetime [s]
ontime2	8063.1000621319	Sum of GTIs [s]
ontime3	8063.1000621319	Sum of GTIs [s]
ontime6	8063.1000621319	Sum of GTIs [s]
ontime7	8063.1000621319	Sum of GTIs [s]
l2events	41188	Number of level 2 events



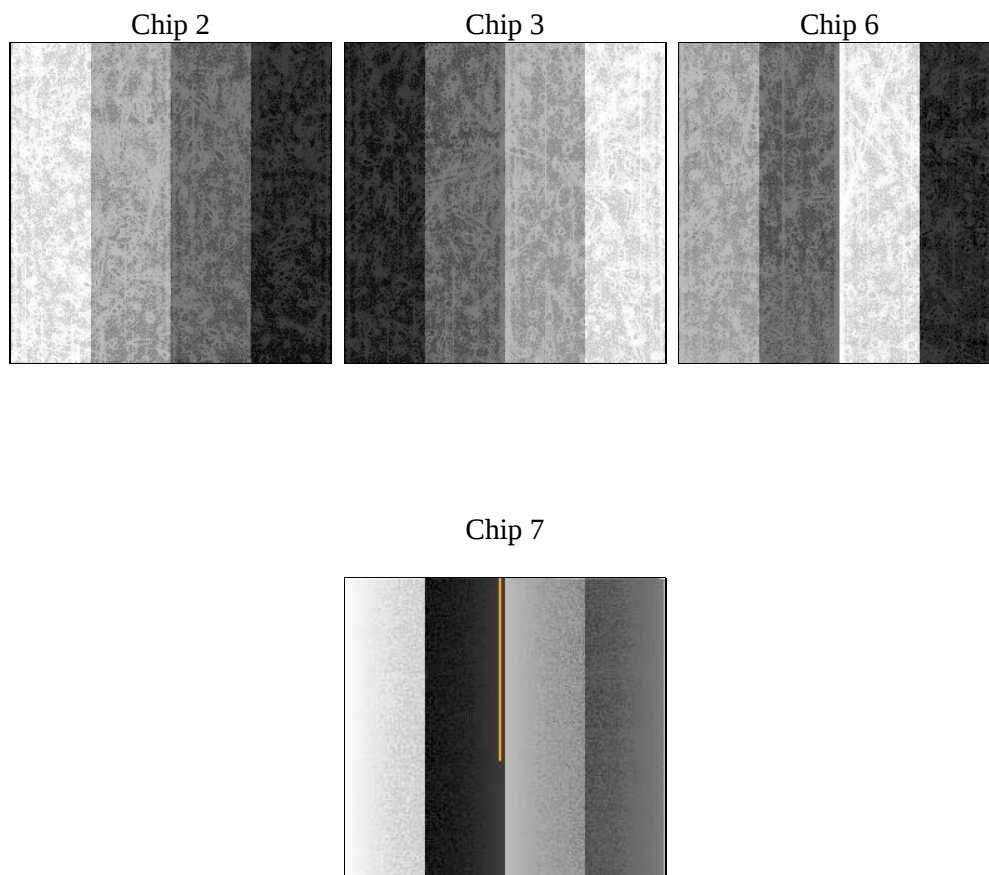
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	8063.1000621319	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	8063.1000621319	Sum of GTIs [s]
date	2016-04-06T23:07:20	Date and time of file creation	ontime3	8063.1000621319	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	8063.1000621319	Sum of GTIs [s]
			ontime7	8063.1000621319	Sum of GTIs [s]
			l1events	230341	Number of level 1 events

2.1.4 Events

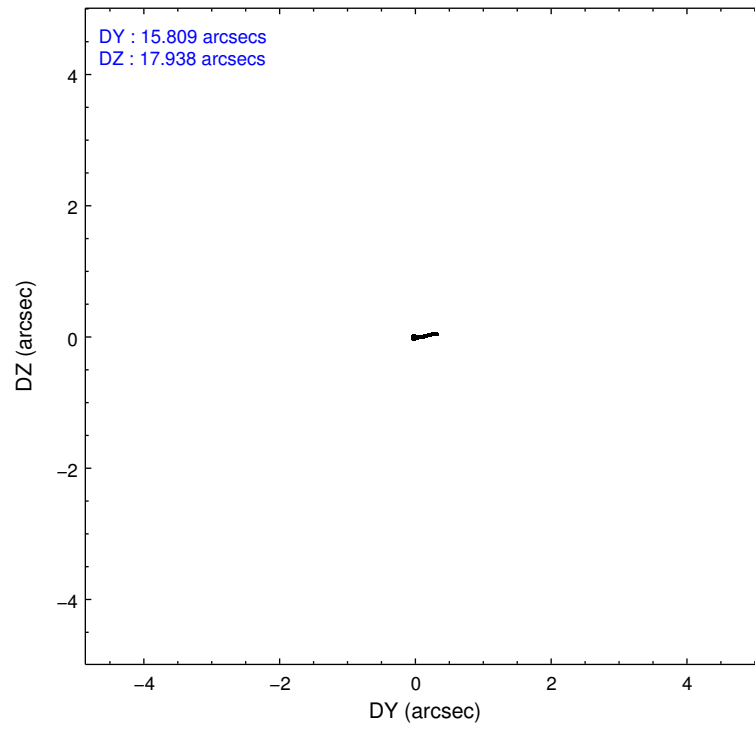
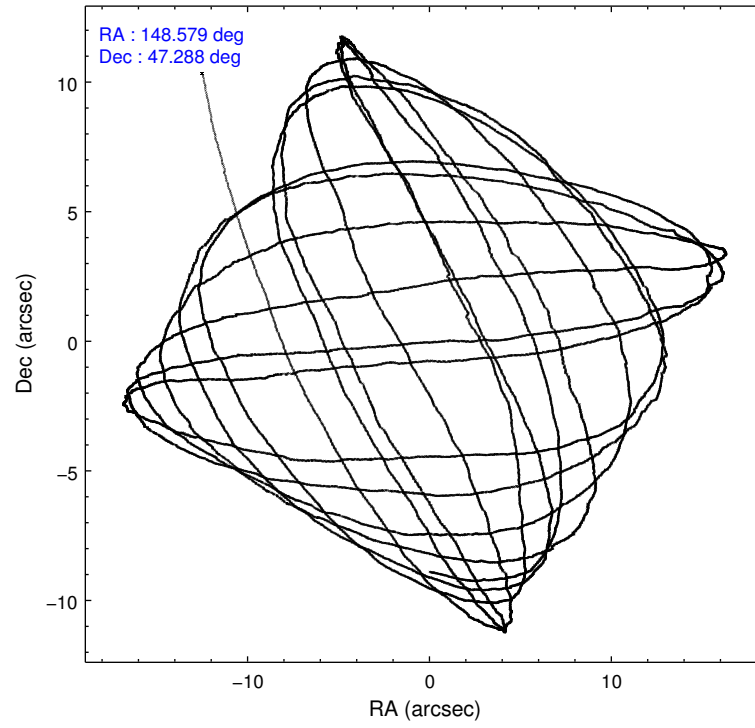
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	56300	52256	55523	66262
rejected events	45314	47099	49813	38293
rejected %	80%	90%	89%	57%

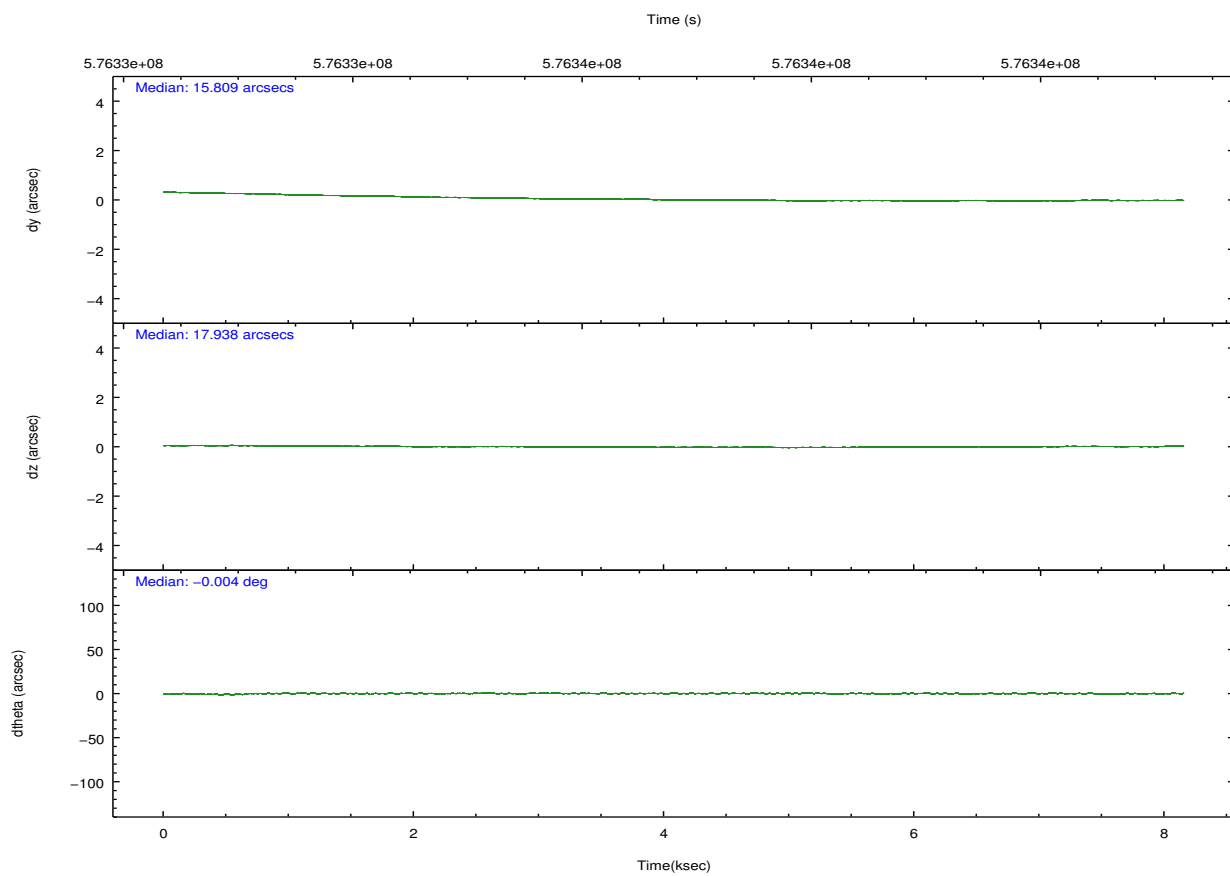
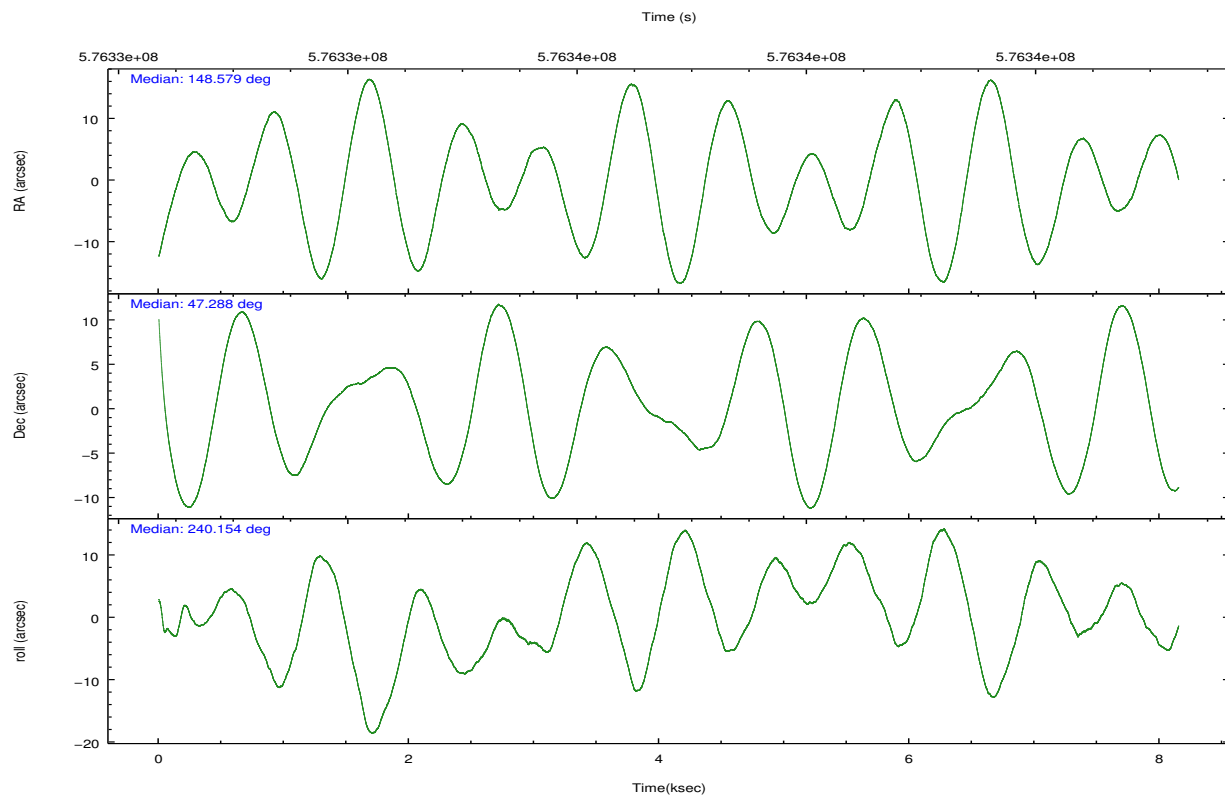
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4066	1745	1735	2166
	7%	3%	3%	3%
grade 1 events	48	25	25	88
	0%	0%	0%	0%
grade 2 events	4757	1184	1463	5940
	8%	2%	2%	8%
grade 3 events	510	570	552	2017
	0%	1%	0%	3%
grade 4 events	588	563	537	2028
	1%	1%	0%	3%
grade 5 events	1946	2402	2261	6300
	3%	4%	4%	9%
grade 6 events	1070	1096	1431	15842
	1%	2%	2%	23%
grade 7 events	43315	44671	47519	31881
	76%	85%	85%	48%

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	148.577884	148.5785872967091	CCD I2 on	Y	Y
[deg] Pointing Dec	47.315734	47.28825268760691	CCD I3 on	Y	Y
[deg] Pointing Roll	239.998491	240.1546191227027	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	O1	N
[s] Observation start time (MET)	576332894.184000	576331640.80007	CCD S5 on	N	N
Observation start date	2016-04-06T12:27:06	2016-04-06T12:07:20	Number of optional ACIS chips dropped	1	1
[s] Observation end time (MET)	576340894.184000	576341905.15066	On-chip summing requested	N	N
Observation end date	2016-04-06T14:40:26	2016-04-06T14:58:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



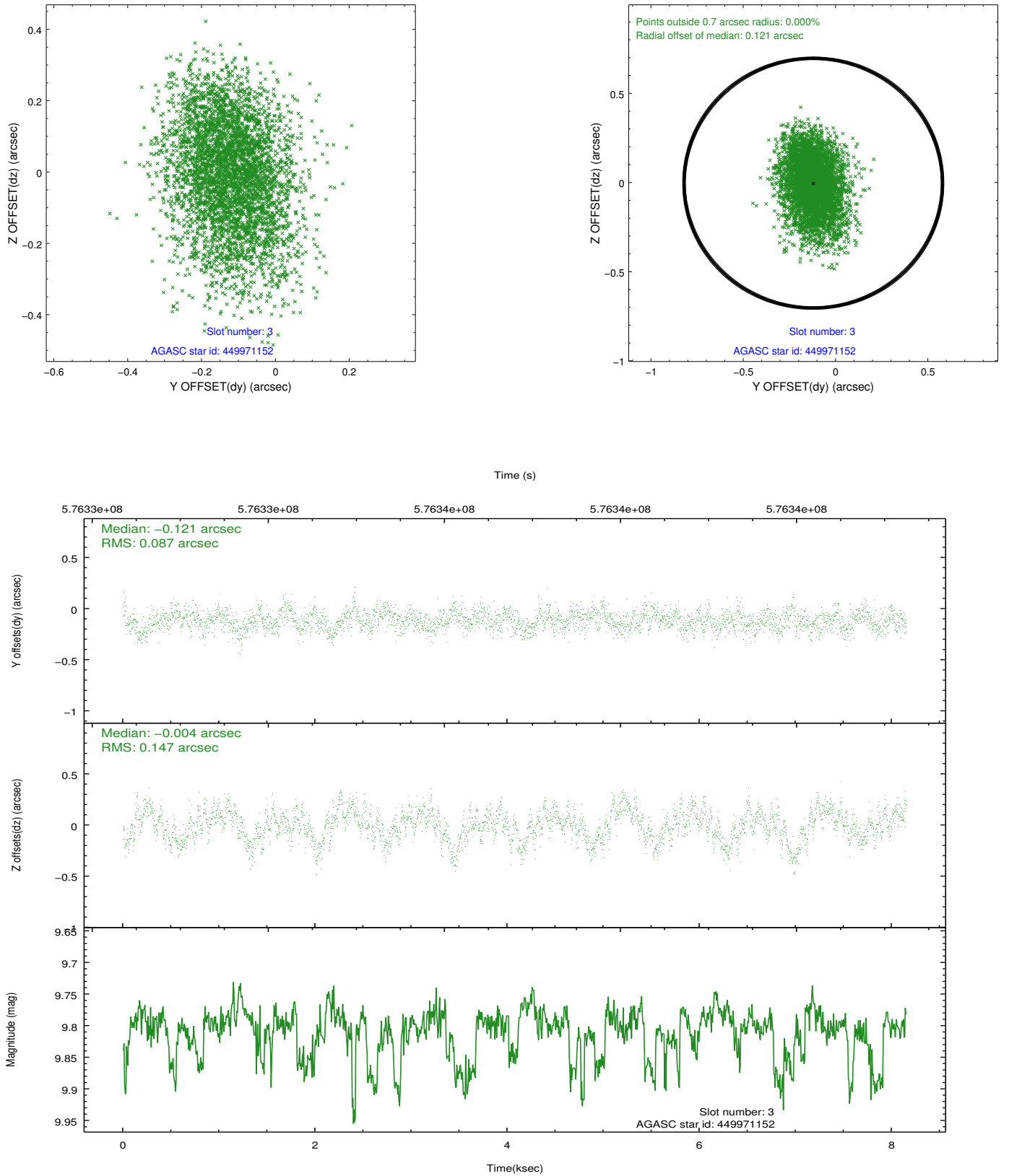


Slot Statistics

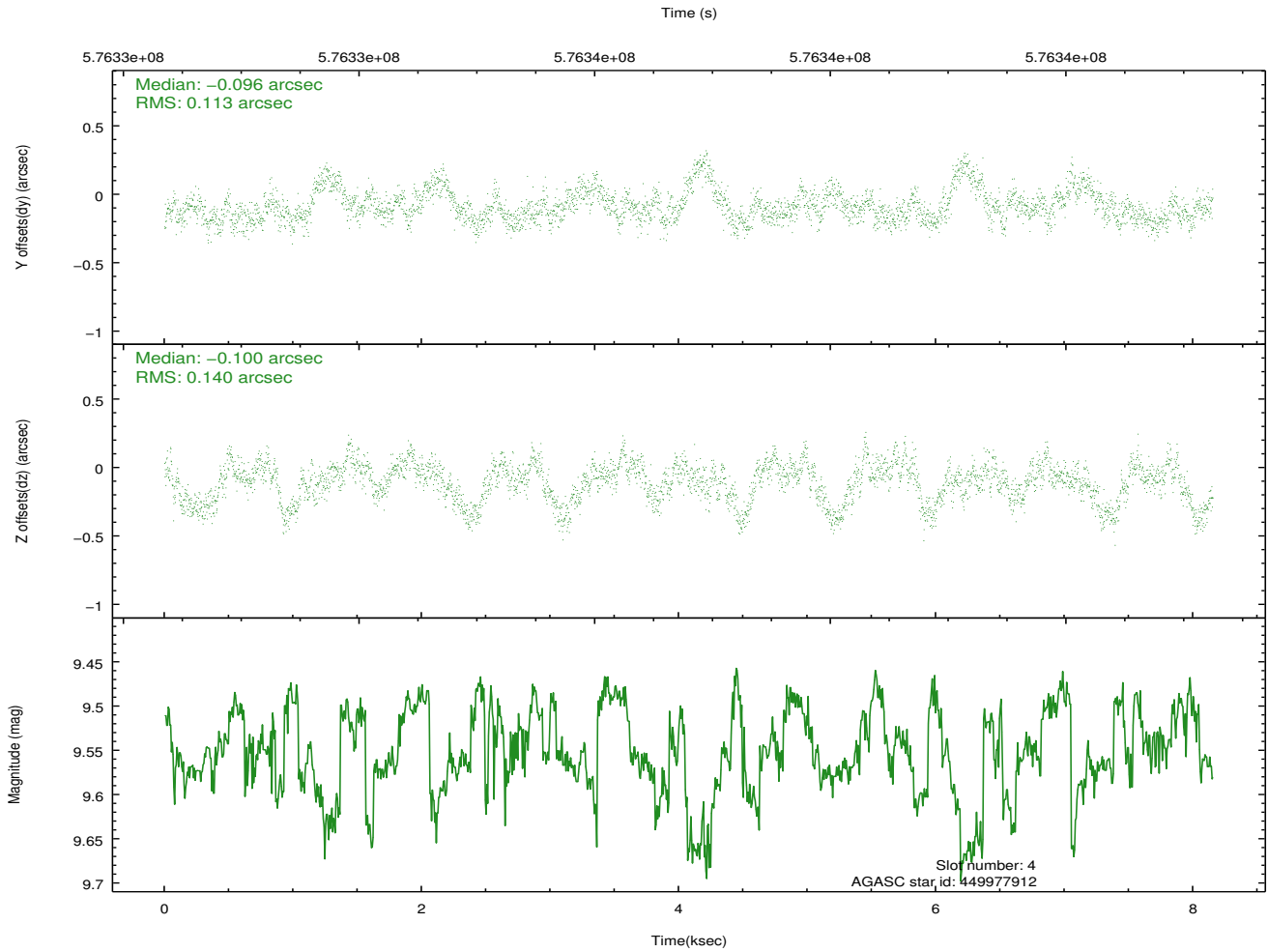
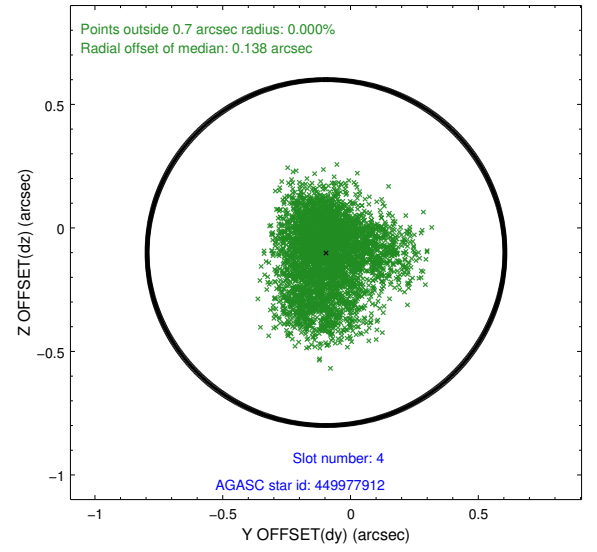
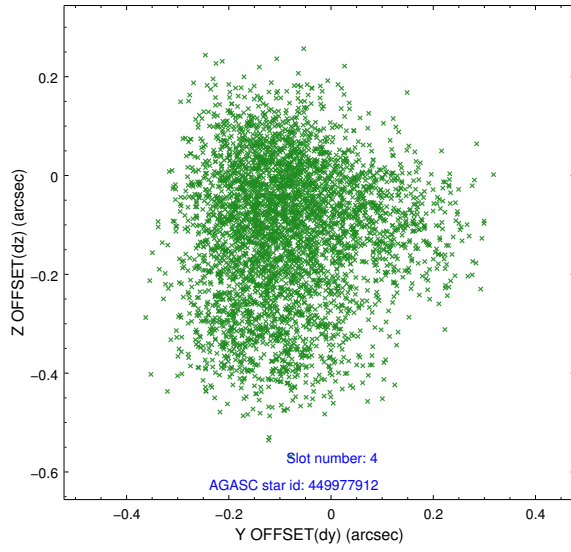
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.12	1989	-0.184	-0.144	0.007	0.012	0.000000	0.000000	-769.05	-1739.49
1	FID		ACIS-S-4	7.24	1989	0.442	0.127	0.006	0.012	0.000000	0.000000	2144.55	168.54
2	FID		ACIS-S-5	7.24	1989	-0.290	0.025	0.007	0.013	0.000000	0.000000	-1821.11	162.91
3	GUIDE	used	449971152	9.81	3971	-0.121	-0.004	0.180	0.303	148.745607	46.748225	1562.13	1379.58
4	GUIDE	used	449977912	9.55	3977	-0.096	-0.100	0.194	0.312	148.746474	46.699576	1712.97	1469.57
5	GUIDE	used	449979224	8.44	3978	-0.082	-0.041	0.110	0.175	149.269187	47.303585	-811.92	1479.84
6	GUIDE	used	450364032	9.94	3973	0.248	0.432	0.223	0.370	148.675111	47.992217	-2226.05	-1014.29
7	GUIDE	used	450372632	9.57	3972	0.041	-0.240	0.188	0.301	149.402650	47.628471	-1985.07	1164.06

2.4 Star Slots

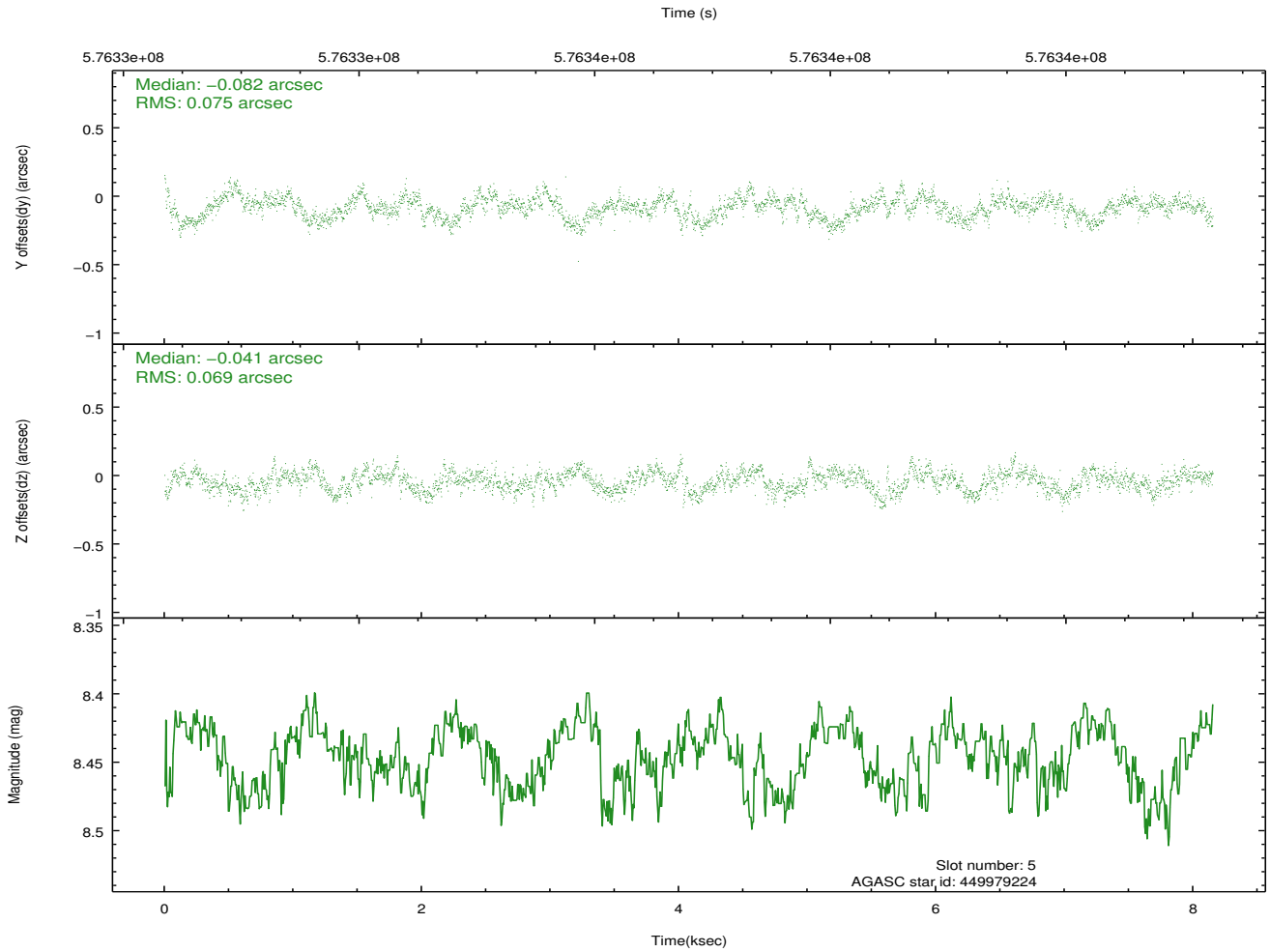
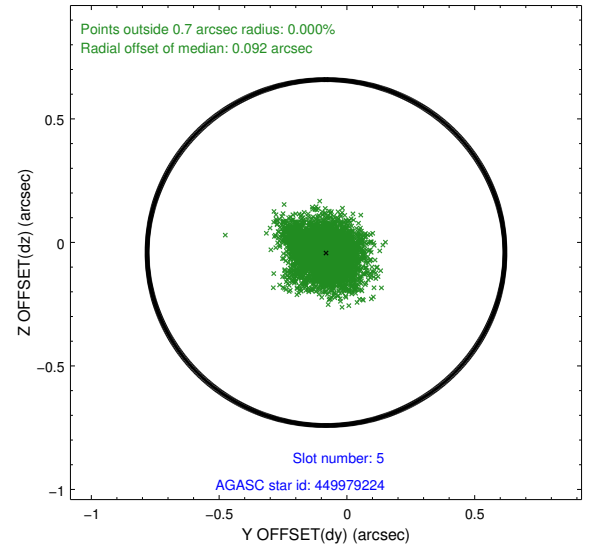
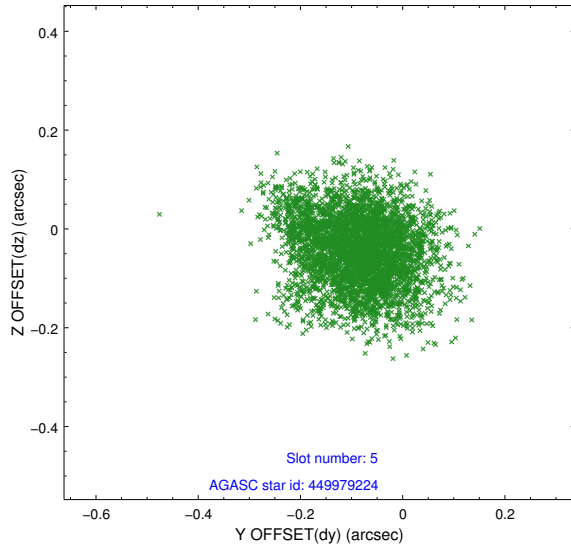
2.4.1 Slot 3



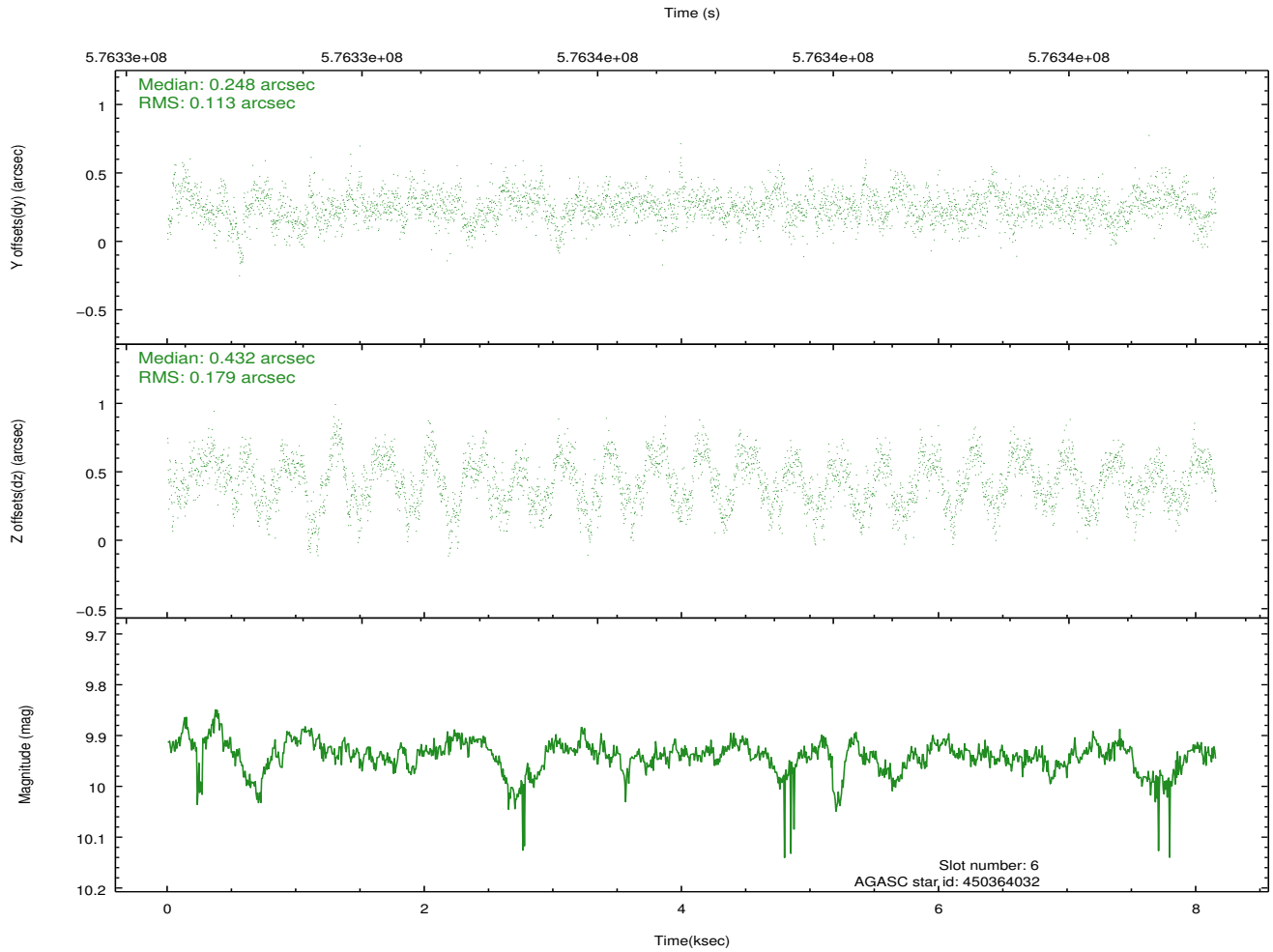
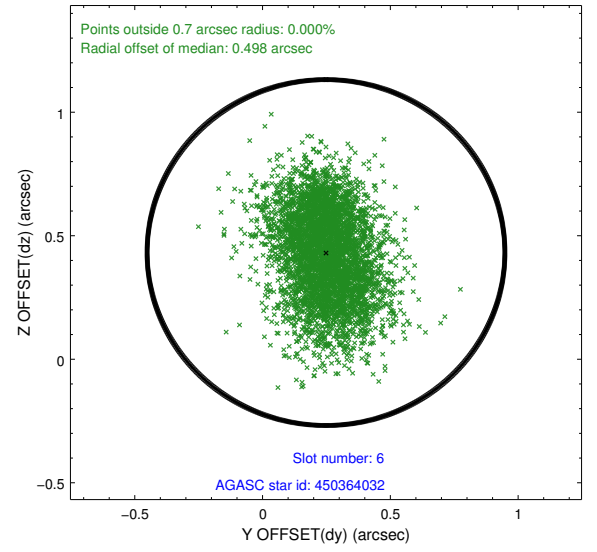
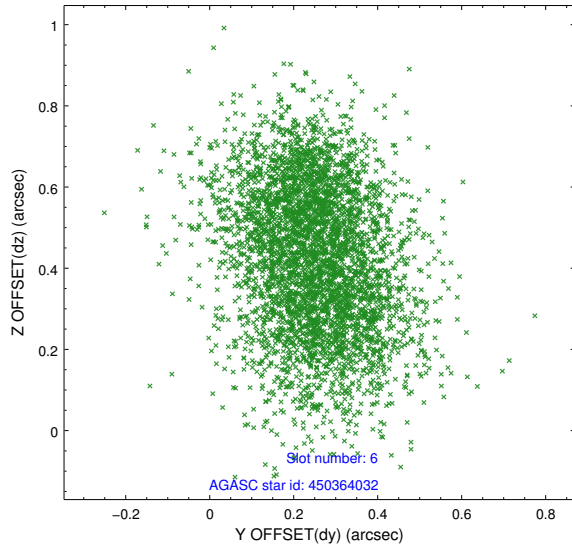
2.4.2 Slot 4



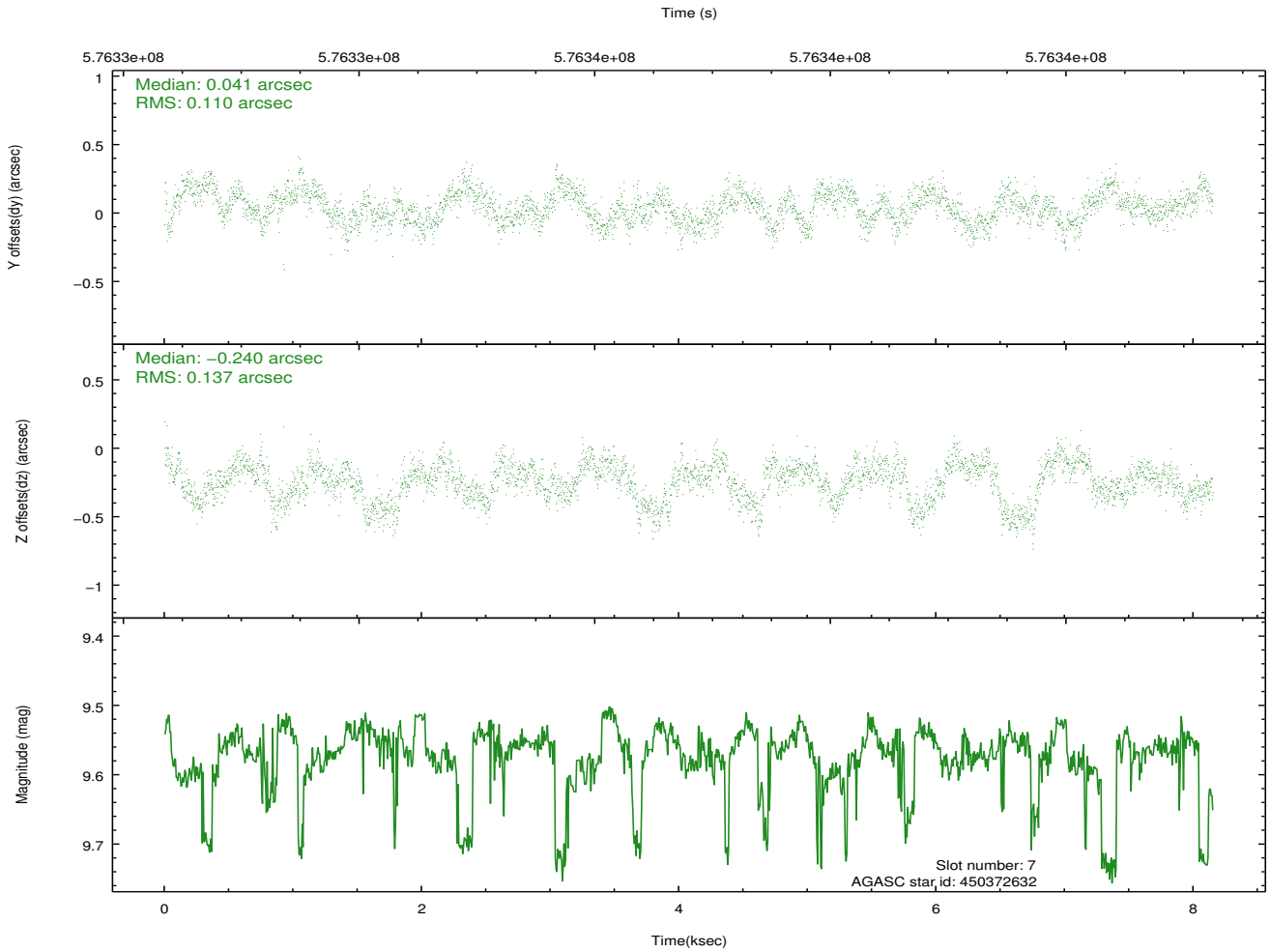
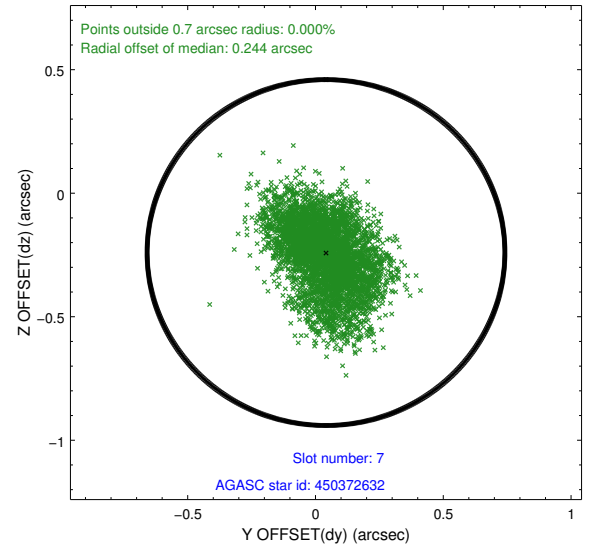
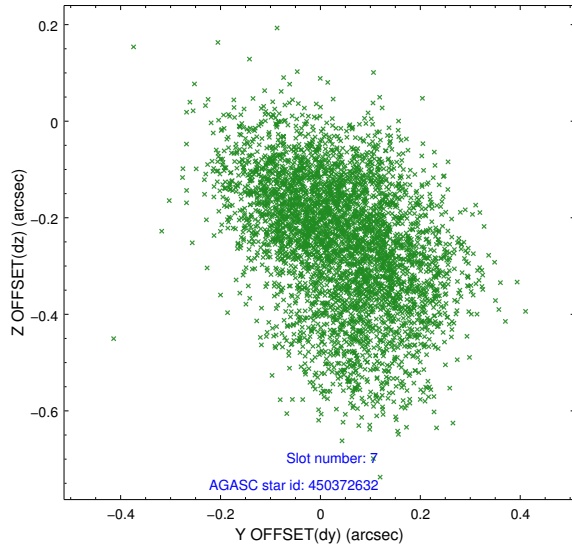
2.4.3 Slot 5



2.4.4 Slot 6

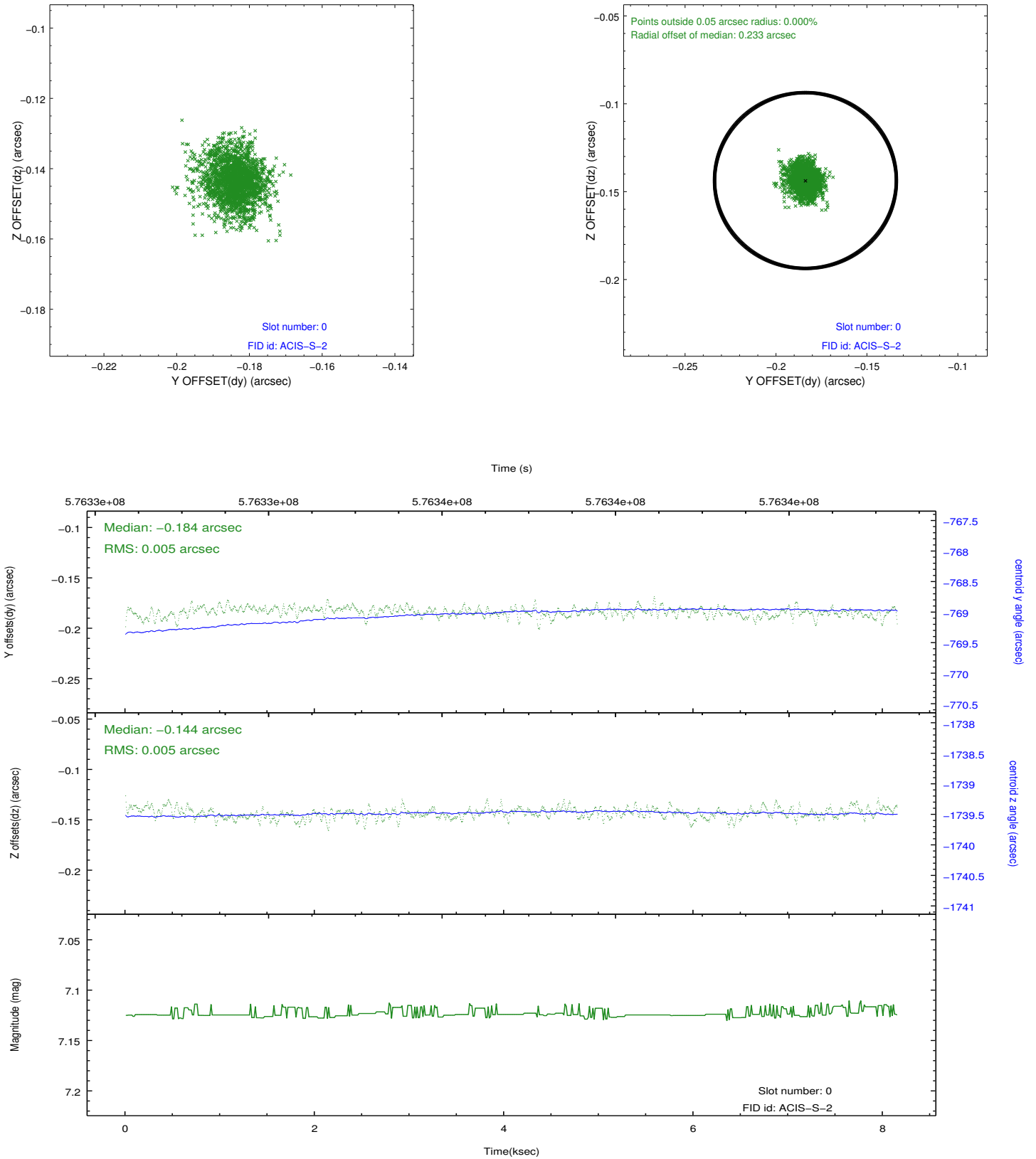


2.4.5 Slot 7

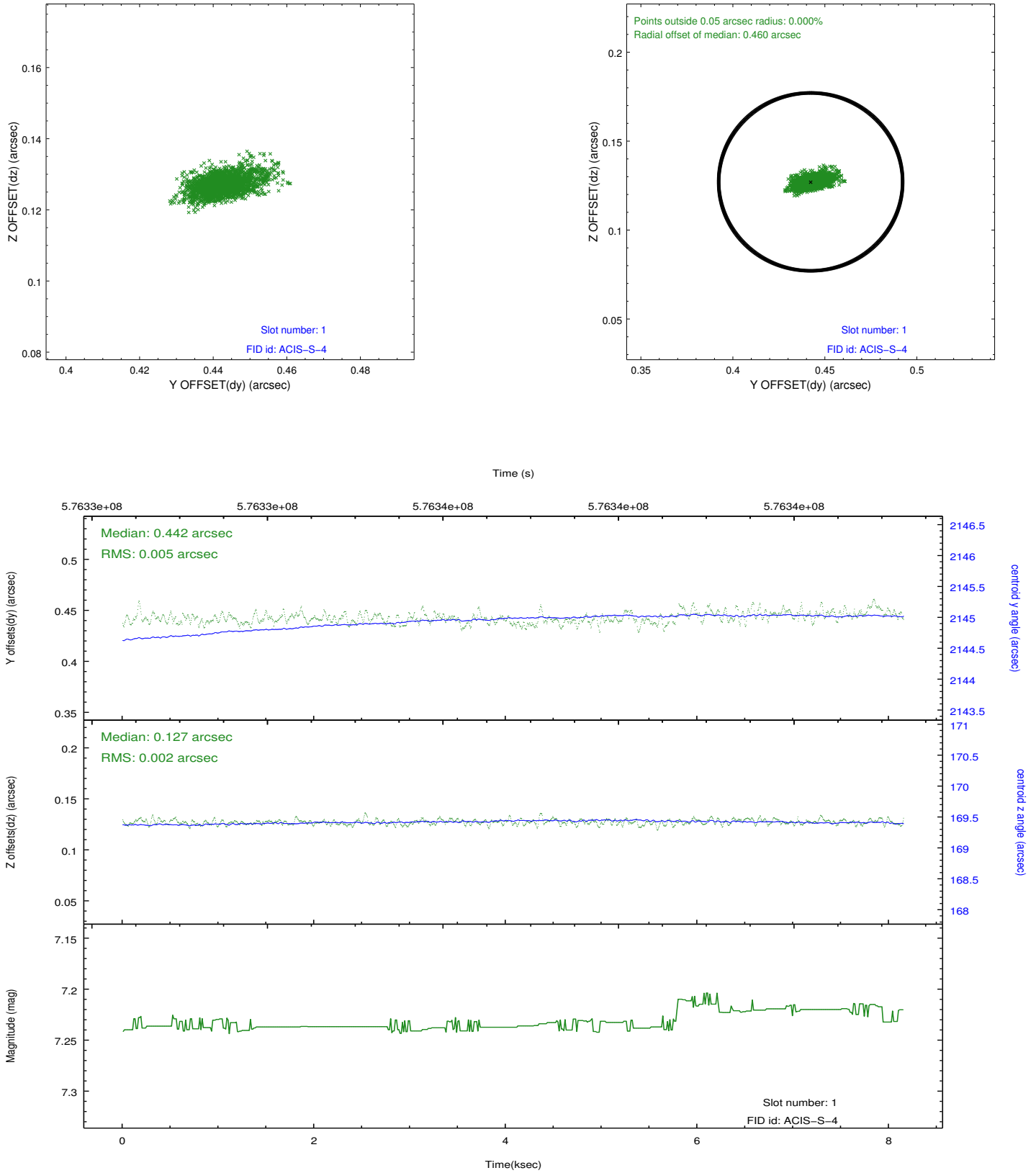


2.5 FID Slots

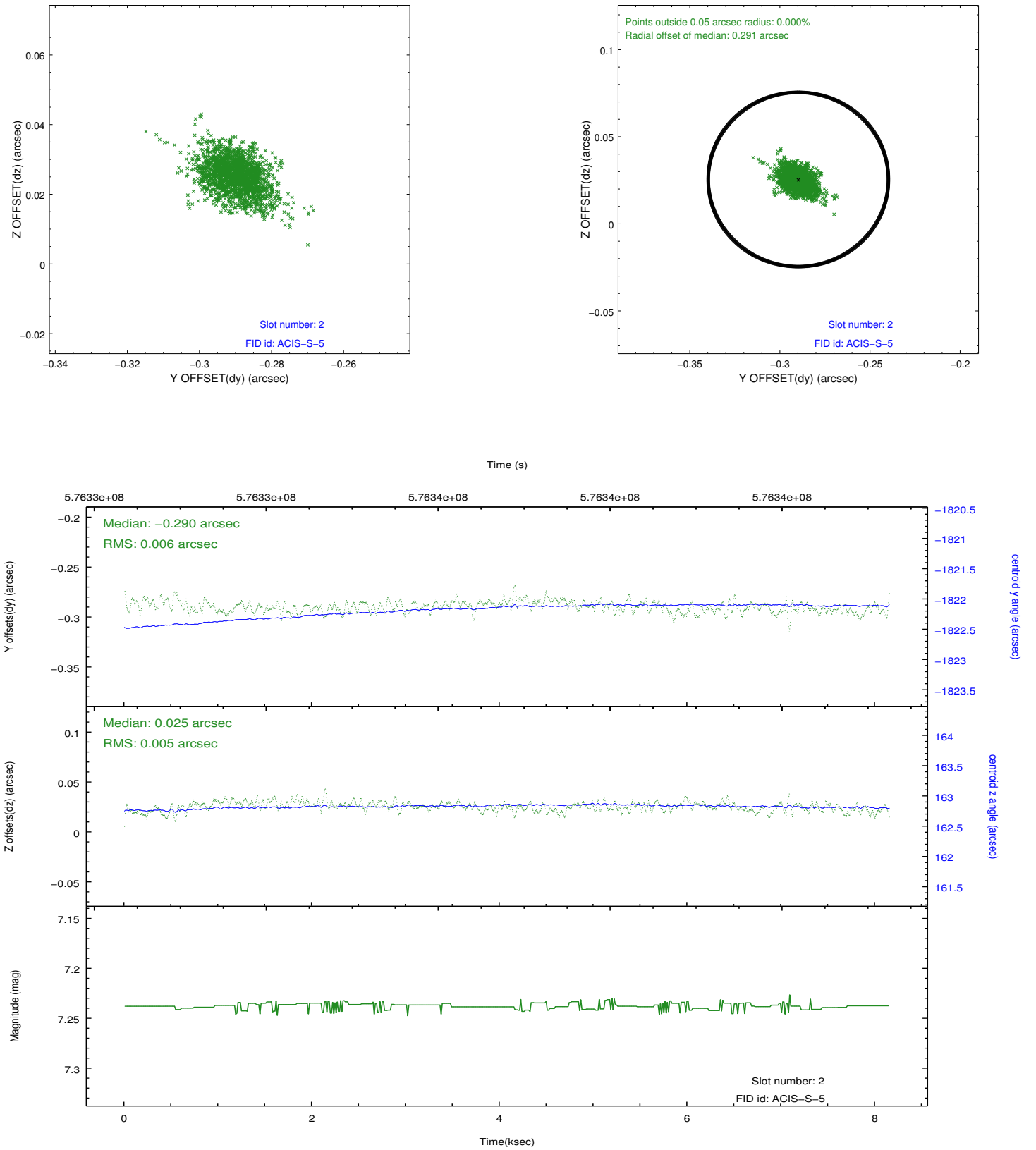
2.5.1 Slot 0



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)	2016.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0631000621319

A.2 Comments