

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 16949 - L2 Version 1
Chandra X-Ray Center

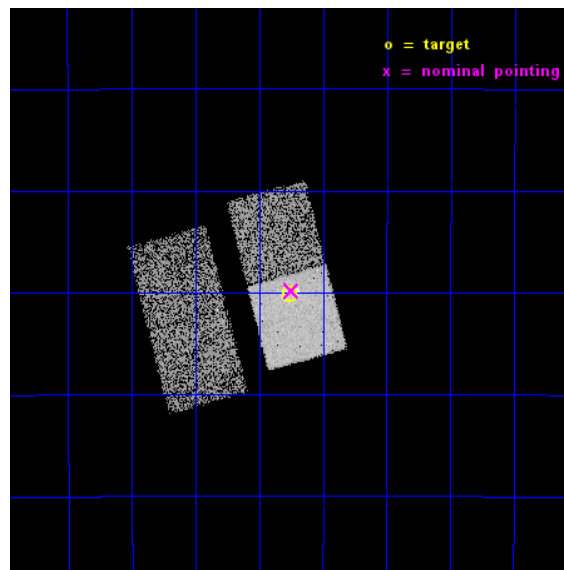
L2 Processing Date : May 21 2015

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1 Front

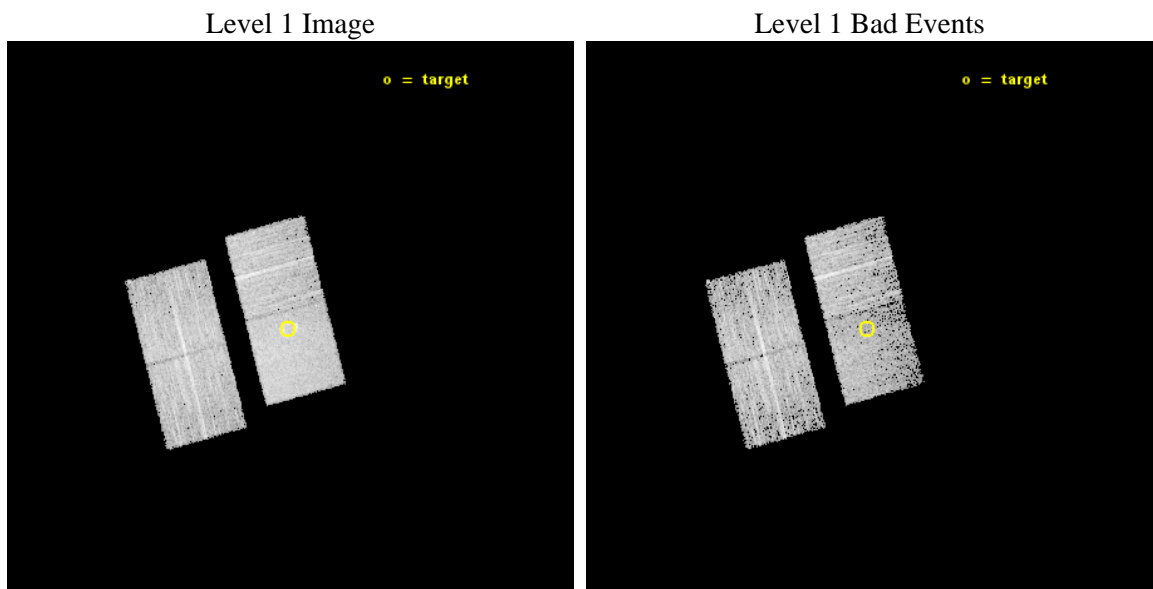
seq_num	502465	Sequence number
obs_id	16949	Observation id
title	Nonuniform expansion and brightening of the youngest Galactic SNR G1.9+0.3	Proposal title
observer	Dr. Kazimierz Borkowski	Principal investigator
object	G1.9+0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.189167	Observer's specified target RA [deg]
dec_targ	-27.168889	Observer's specified target Dec [deg]
ra_nom	267.18664746245	Nominal RA [deg]
dec_nom	-27.163893836081	Nominal Dec [deg]
roll_nom	75.155496768373	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9181.0453131199	Sum of GTIs [s]
livetime	9061.0881971167	Livetime [s]
ontime2	9180.9221931696	Sum of GTIs [s]
ontime3	9177.8222229481	Sum of GTIs [s]
ontime6	9177.8632529974	Sum of GTIs [s]
ontime7	9181.0453131199	Sum of GTIs [s]
l2events	38215	Number of level 2 events



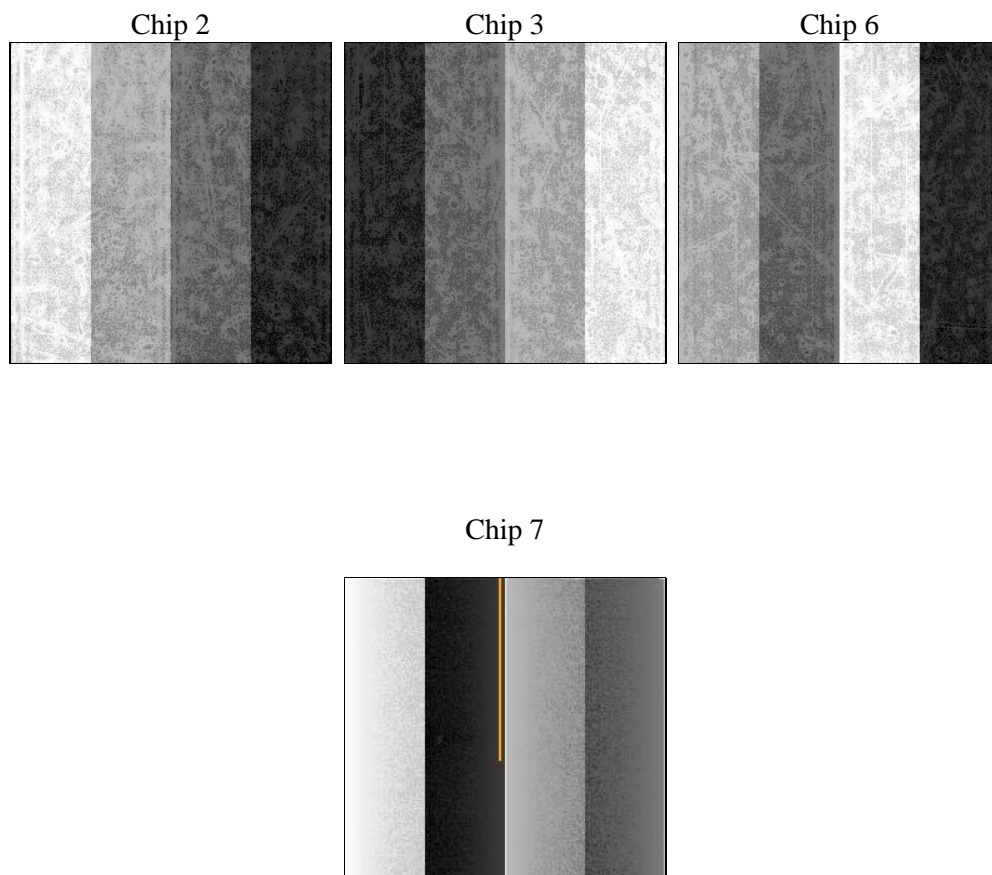
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9100.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	9181.0453131199	Sum of GTIs [s]
caldsver	4.6.7	 	ontime2	9180.9221931696	Sum of GTIs [s]
date	2015-05-21T09:43:28	Date and time of file creation	ontime3	9177.8222229481	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	9177.8632529974	Sum of GTIs [s]
			ontime7	9181.0453131199	Sum of GTIs [s]
			l1events	171828	Number of level 1 events

2.1.4 Events

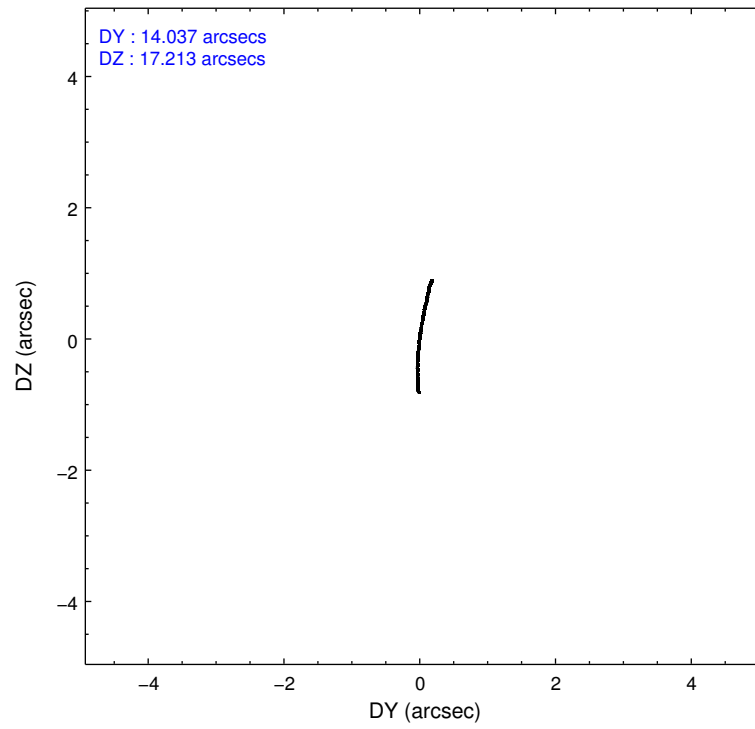
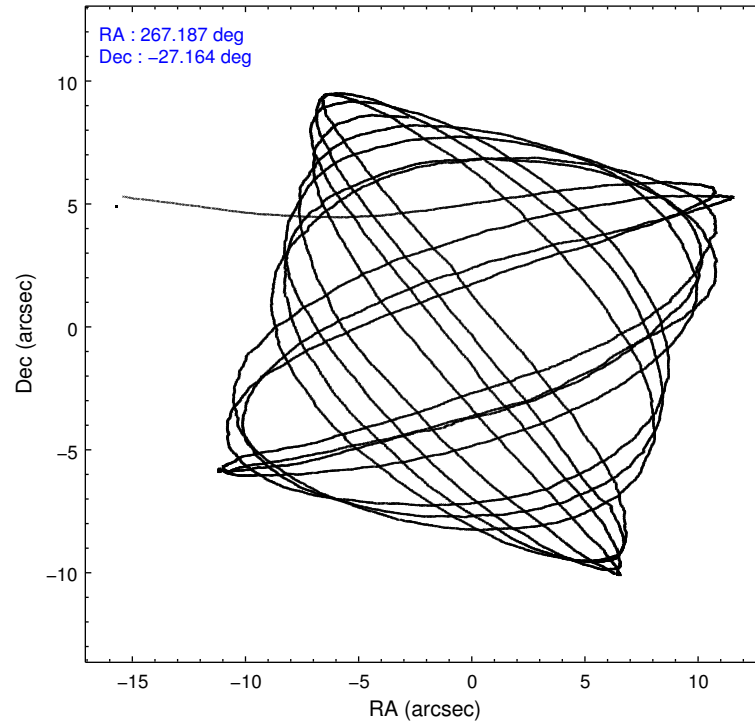
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	40577	39047	41867	50337
rejected events	35474	34187	36160	25142
rejected %	87%	87%	86%	49%

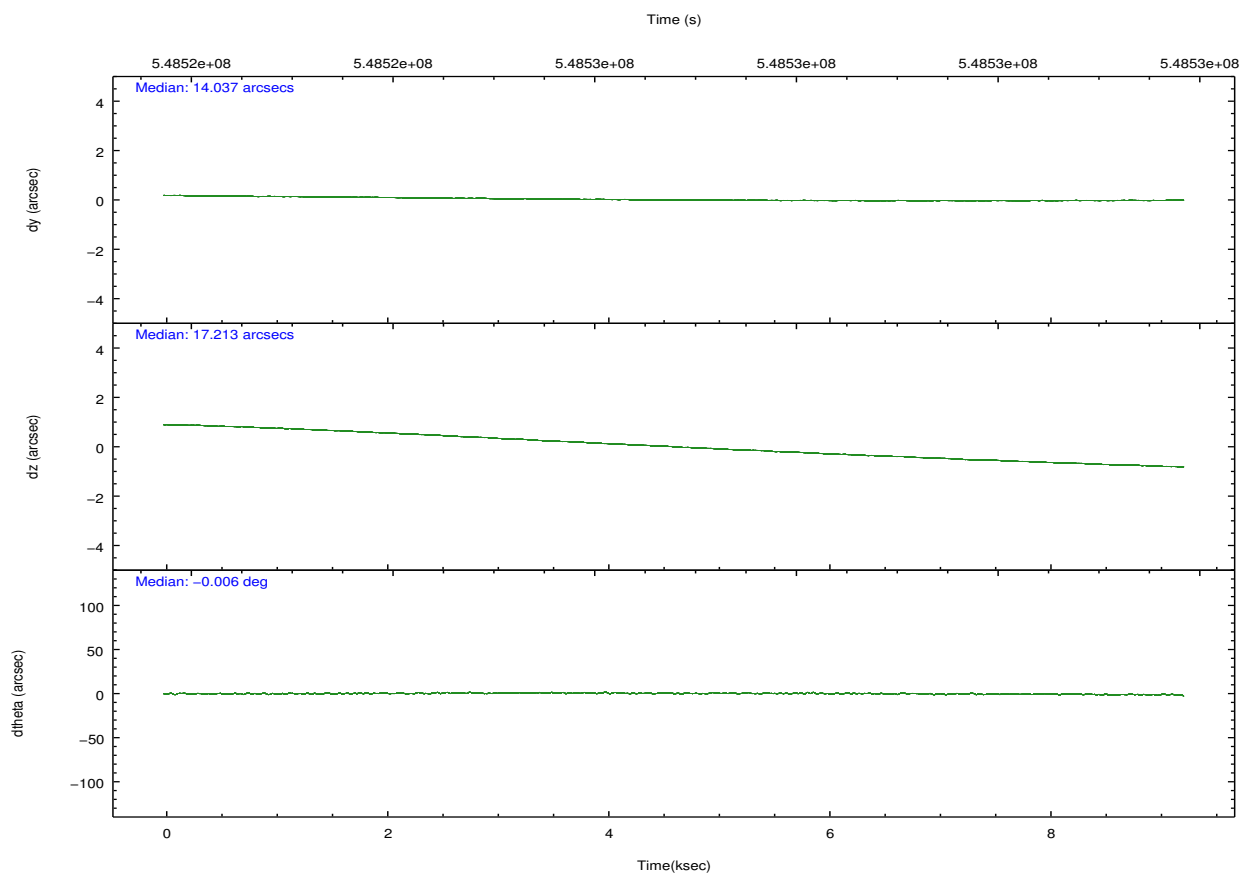
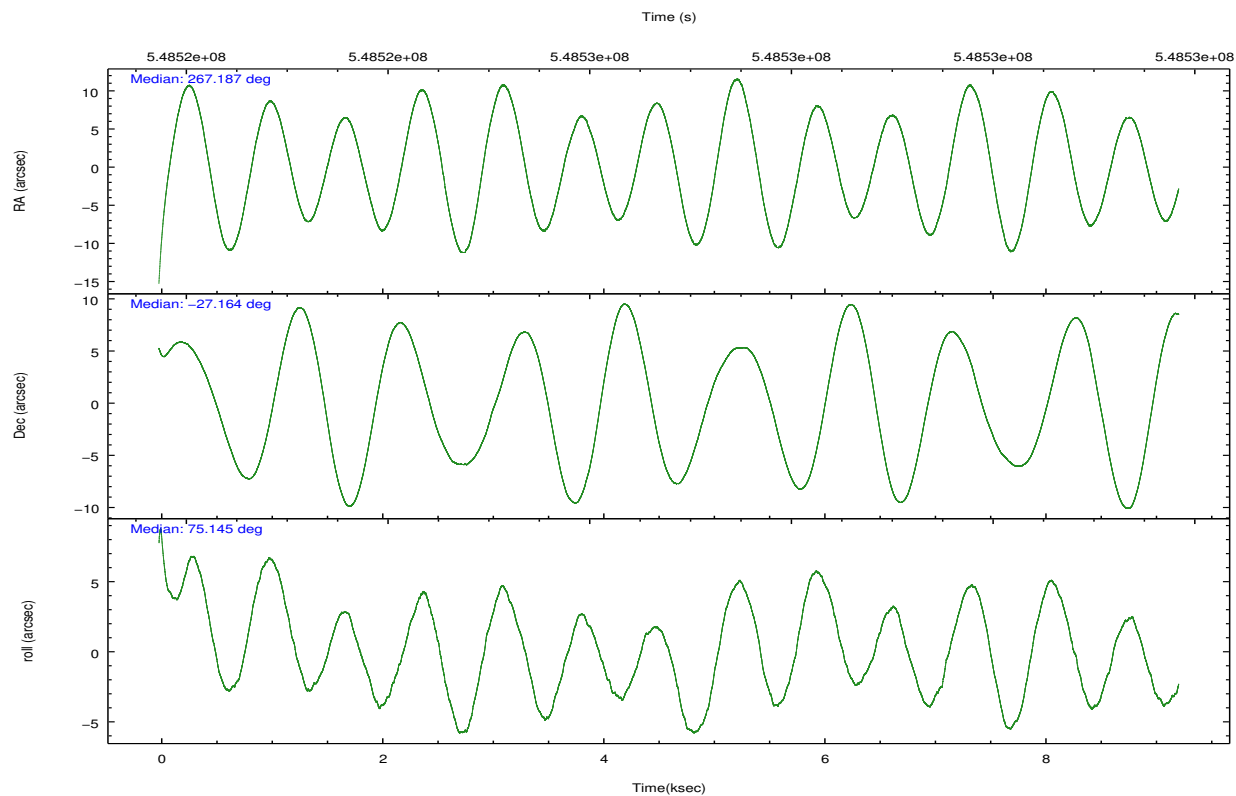
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2121	1889	2328	2623
	5%	4%	5%	5%
grade 1 events	29	29	18	69
	0%	0%	0%	0%
grade 2 events	1164	1010	1241	5447
	2%	2%	2%	10%
grade 3 events	475	522	575	2225
	1%	1%	1%	4%
grade 4 events	500	489	484	2232
	1%	1%	1%	4%
grade 5 events	1441	1819	1883	4992
	3%	4%	4%	9%
grade 6 events	845	953	1080	12679
	2%	2%	2%	25%
grade 7 events	34002	32336	34258	20070
	83%	82%	81%	39%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	267.195124	267.1866474624454	CCD I2 on	O1	Y
[deg] Pointing Dec	-27.190316	-27.16389383608072	CCD I3 on	O2	Y
[deg] Pointing Roll	75.002721	75.15549676837324	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)	548522276.184000	548520913.12684	CCD S5 on	N	N
Observation start date	2015-05-20T15:16:49	2015-05-20T14:55:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	548531376.184000	548531673.06494	On-chip summing requested	N	N
Observation end date	2015-05-20T17:48:29	2015-05-20T17:54:33	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



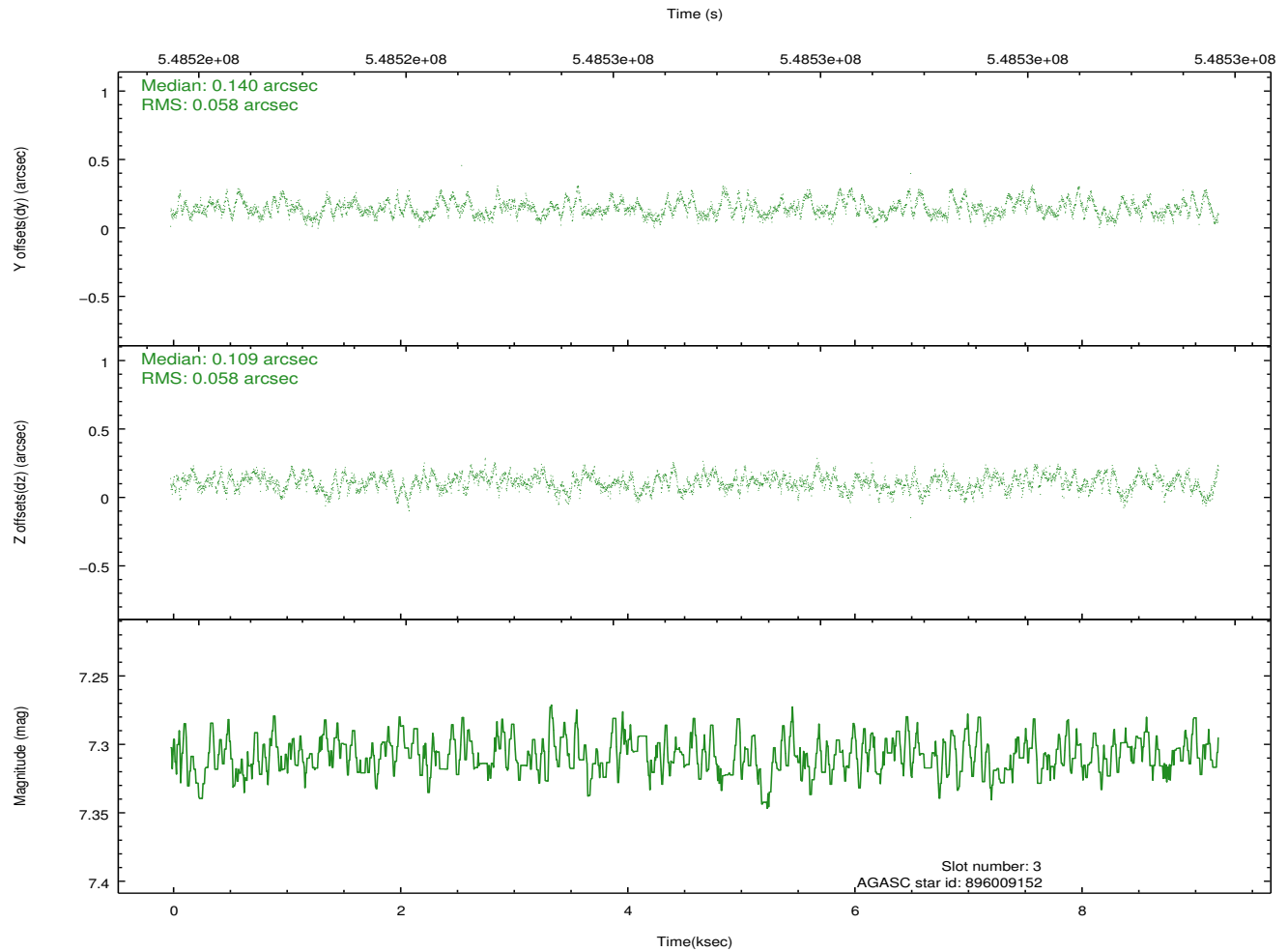
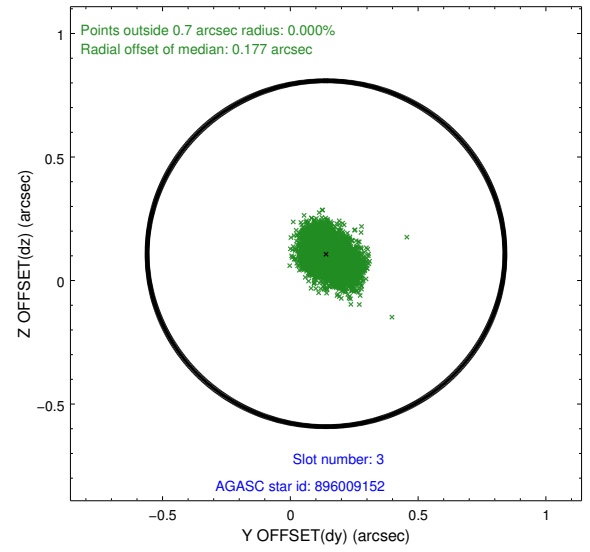
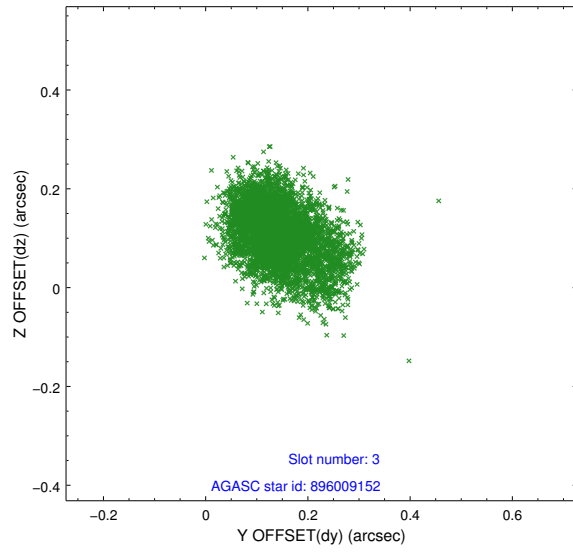


Slot Statistics

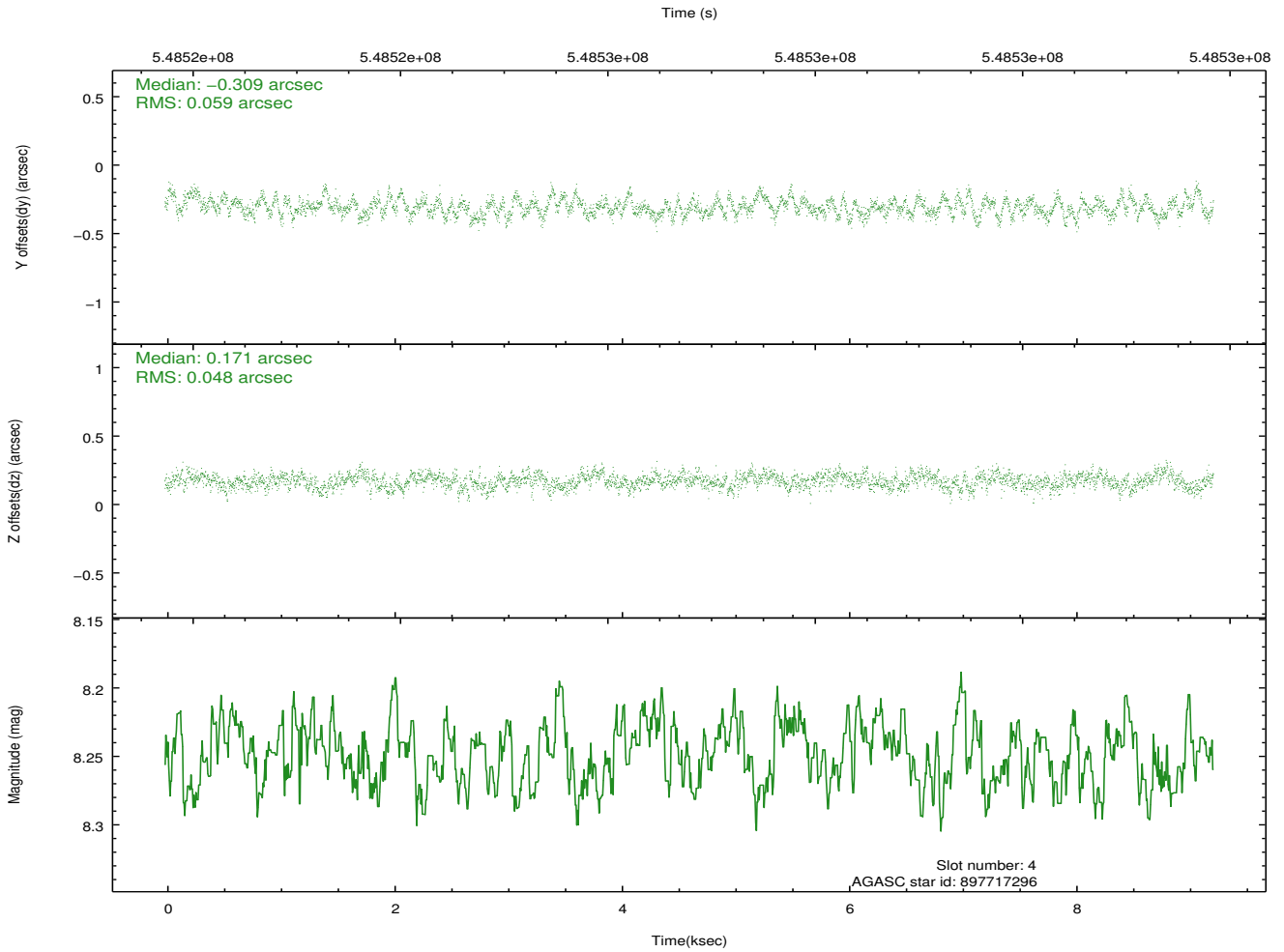
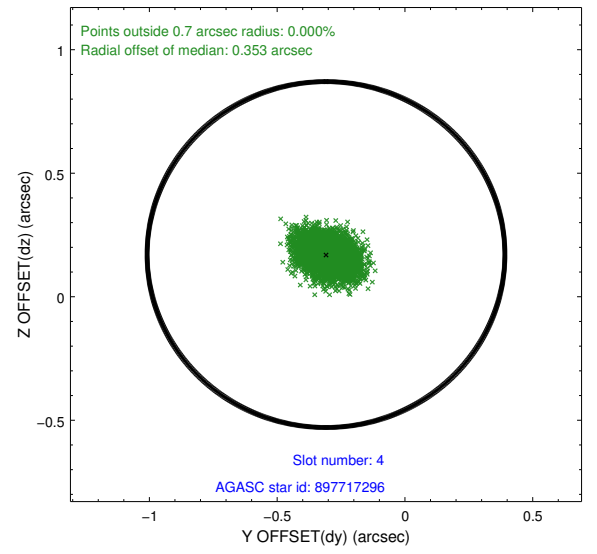
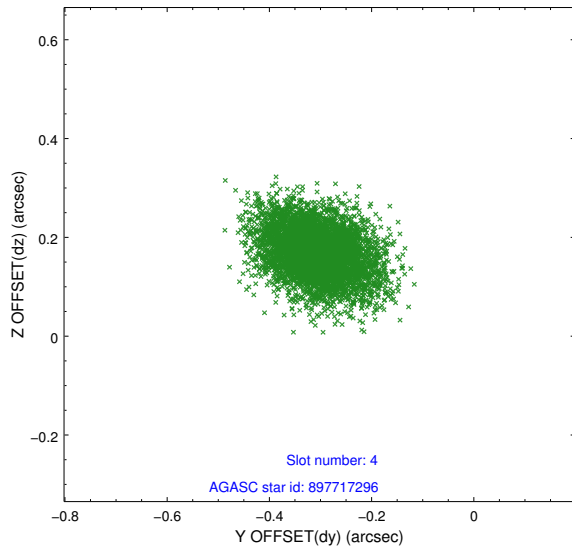
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.02	2251	0.127	-0.061	0.026	0.043	0.000000	0.000000	929.16	-1734.31
1	FID		ACIS-S-5	7.06	2251	-0.221	0.081	0.008	0.015	0.000000	0.000000	-1819.87	162.76
2	FID		ACIS-S-6	7.16	2251	0.072	-0.008	0.033	0.045	0.000000	0.000000	394.01	807.31
3	GUIDE	used	896009152	7.31	4502	0.140	0.109	0.087	0.141	267.588100	-27.061669	771.26	-1097.23
4	GUIDE	used	897717296	8.25	4502	-0.309	0.171	0.081	0.135	267.921819	-26.875322	1693.15	-1962.14
5	GUIDE	used	896013040	7.33	4502	-0.002	-0.432	0.093	0.144	266.506589	-26.972299	180.75	2334.58
6	GUIDE	used	896014528	7.68	4501	0.177	-0.064	0.057	0.095	266.628858	-27.438607	-1335.45	1515.49
7	GUIDE	used	897722680	8.82	4495	-0.013	0.214	0.122	0.195	268.059296	-26.906681	1695.38	-2417.14

2.4 Star Slots

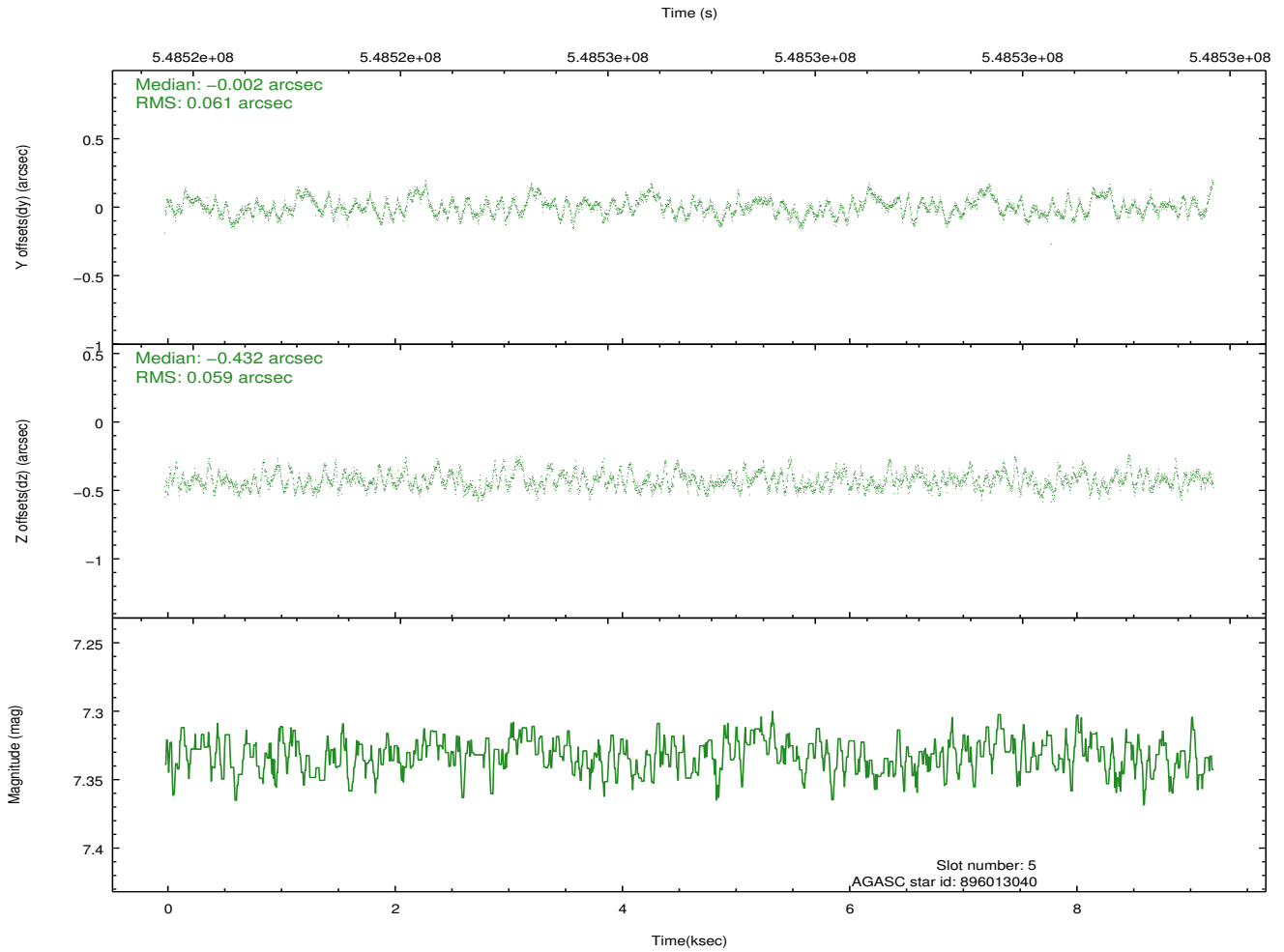
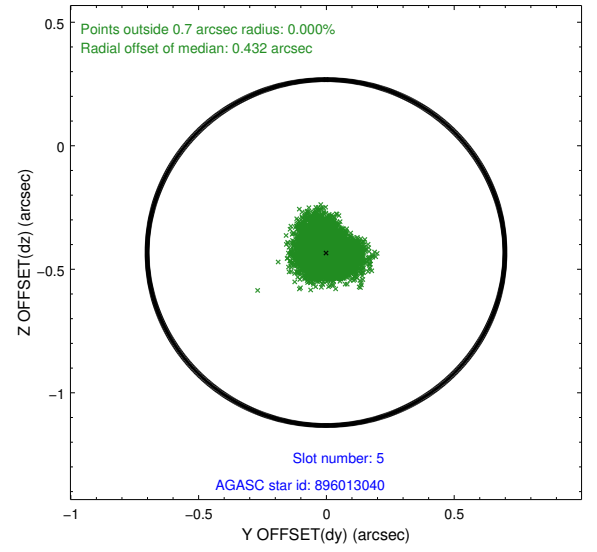
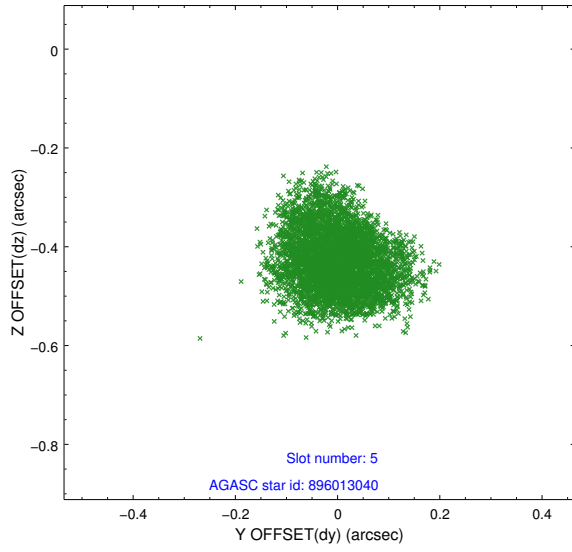
2.4.1 Slot 3



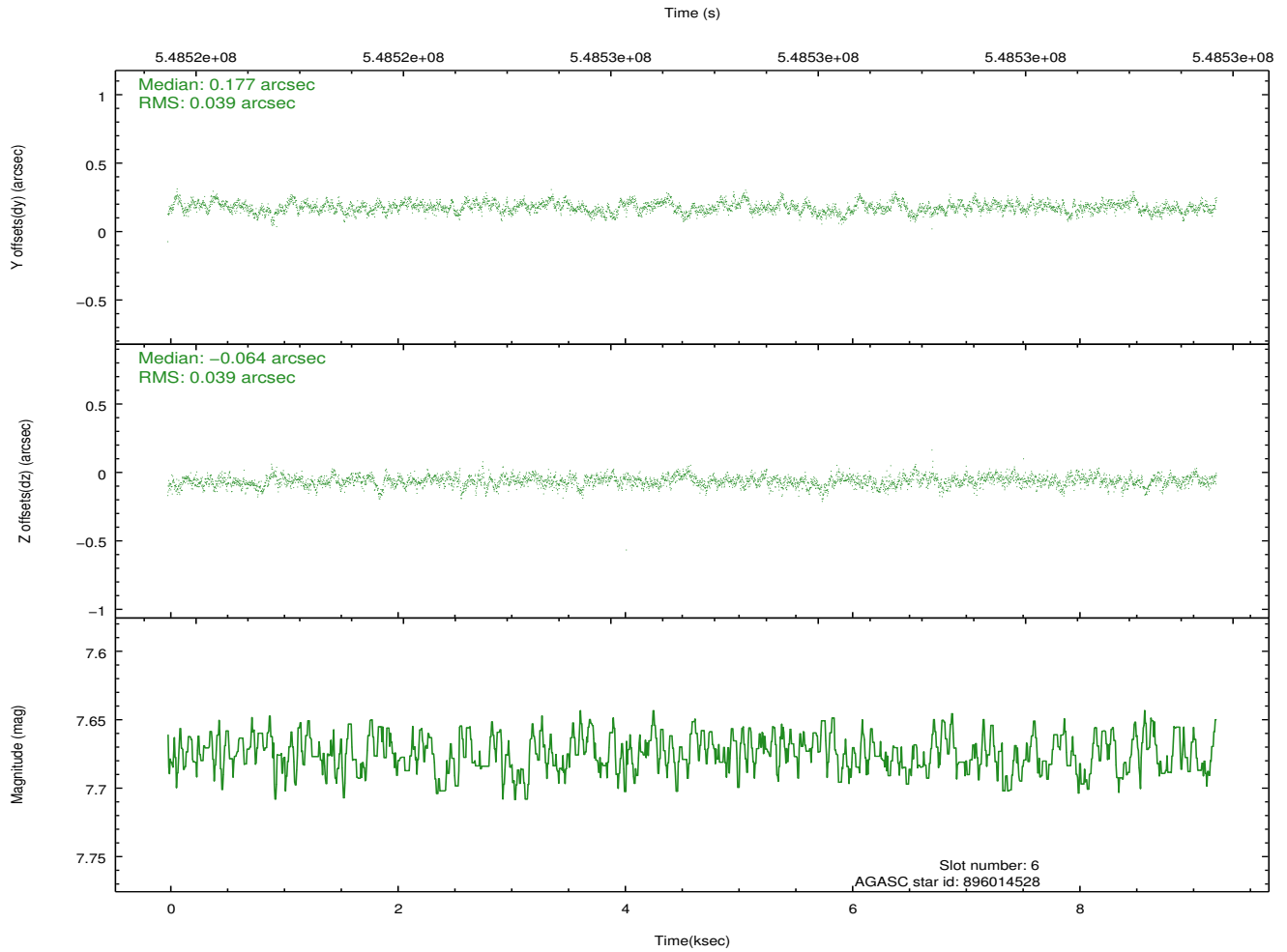
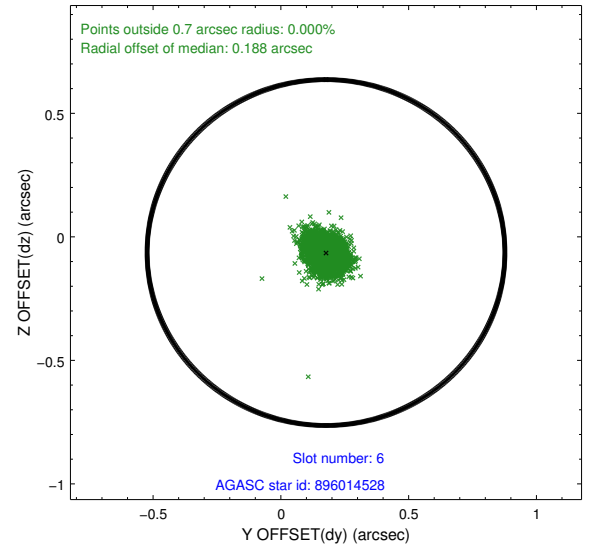
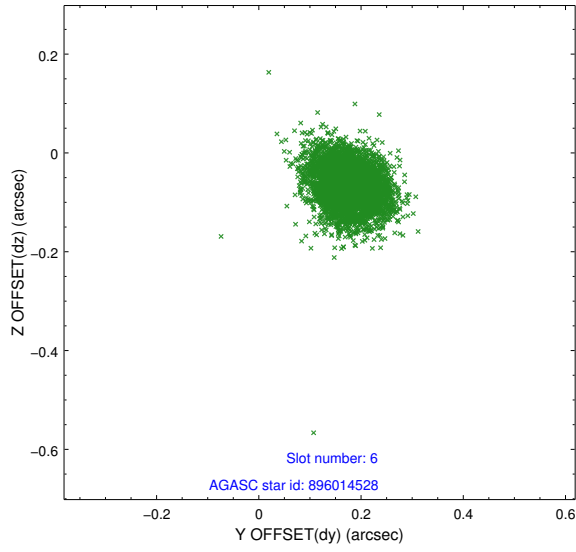
2.4.2 Slot 4



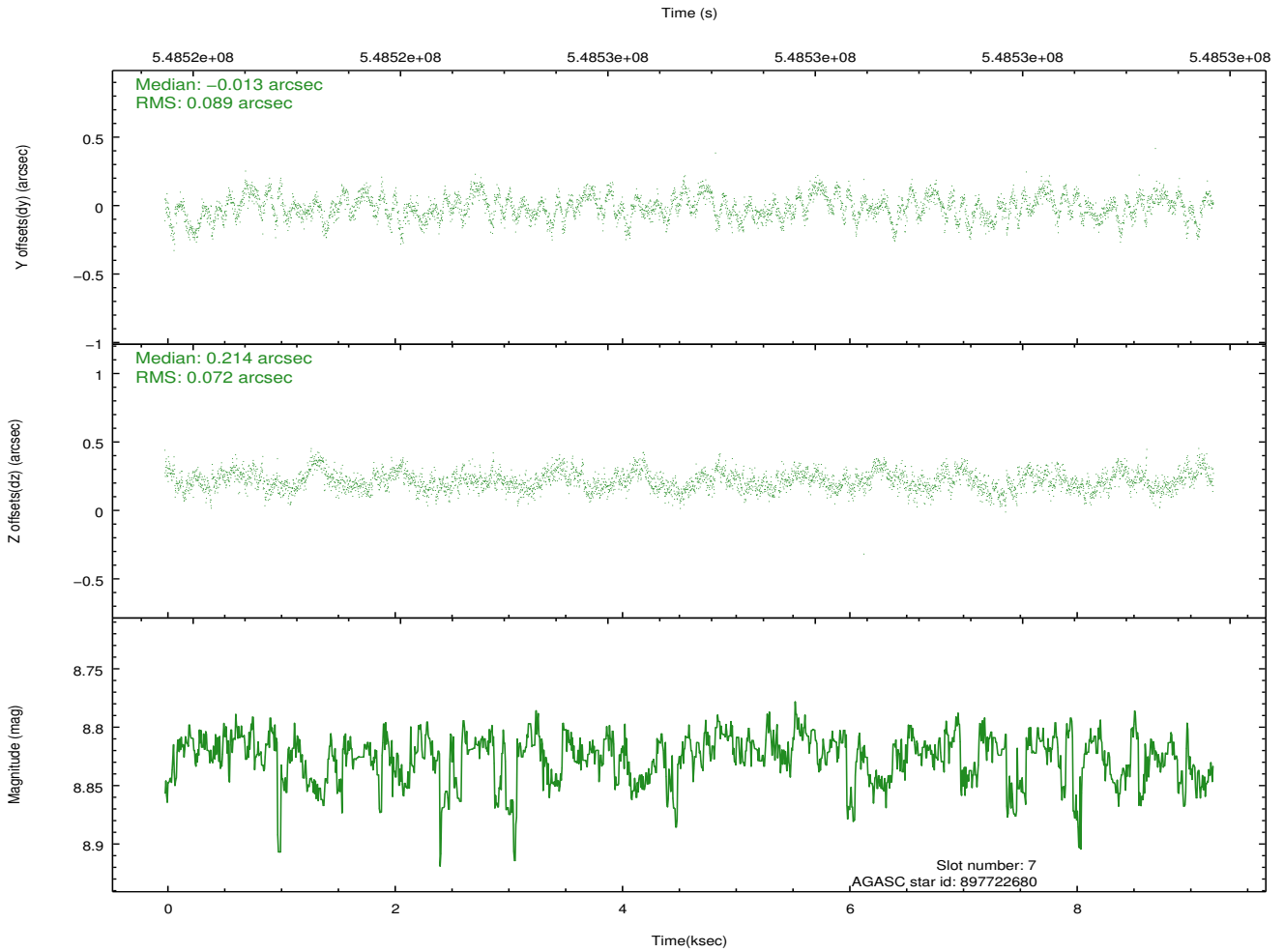
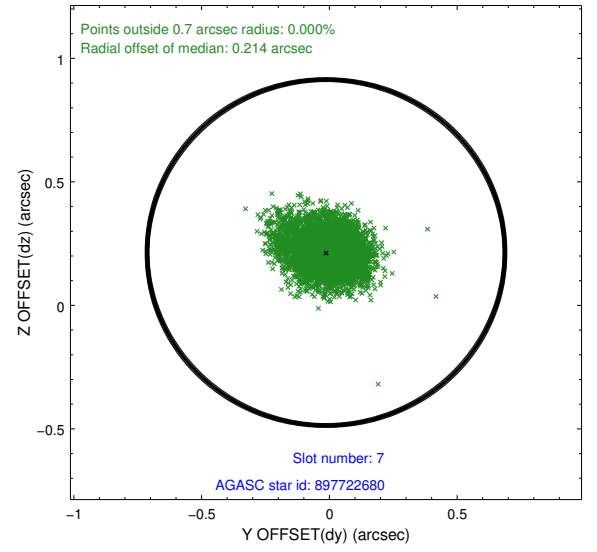
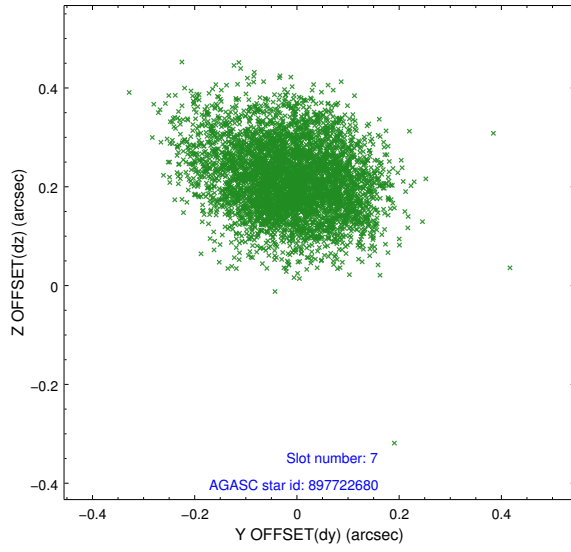
2.4.3 Slot 5



2.4.4 Slot 6

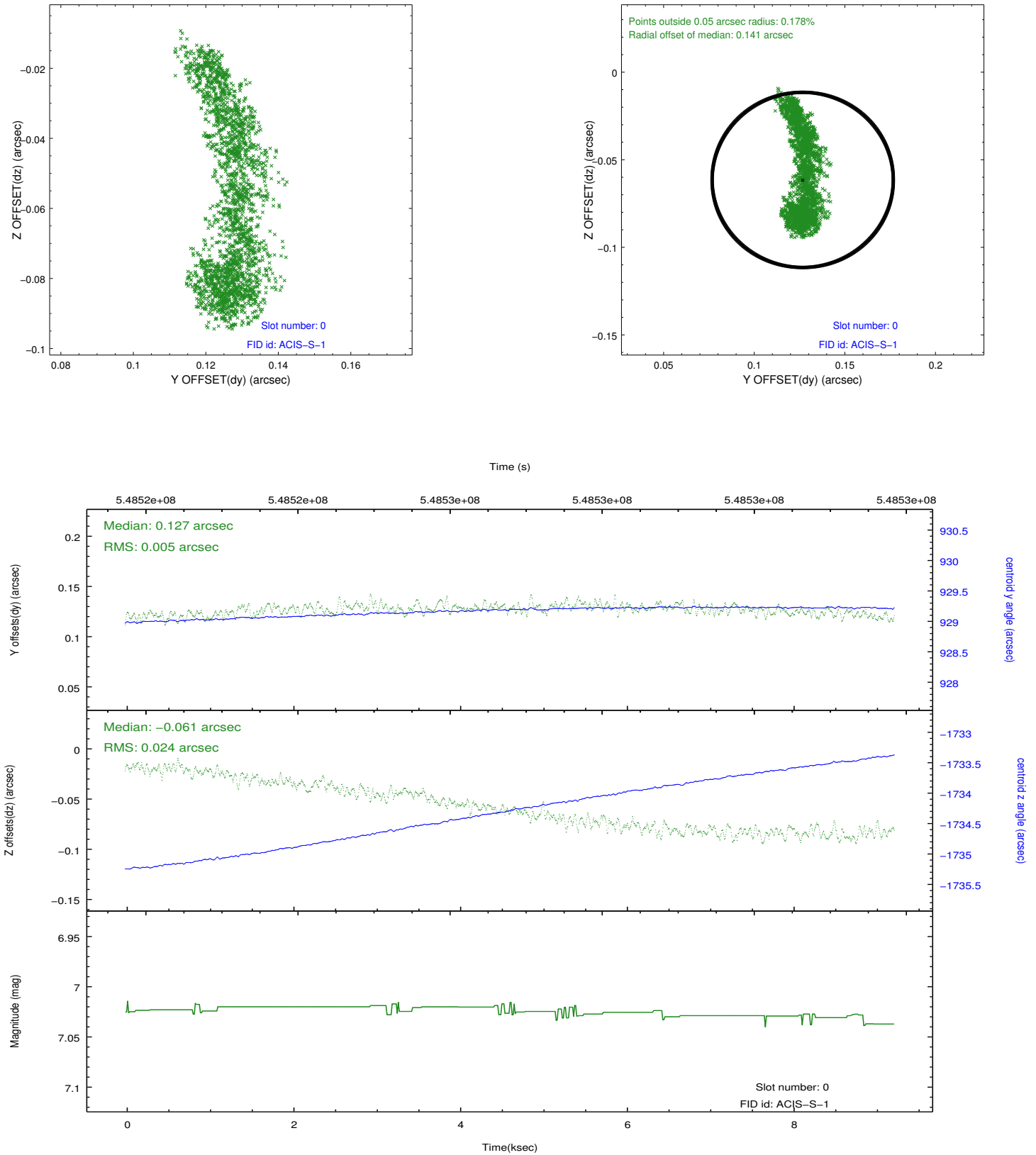


2.4.5 Slot 7

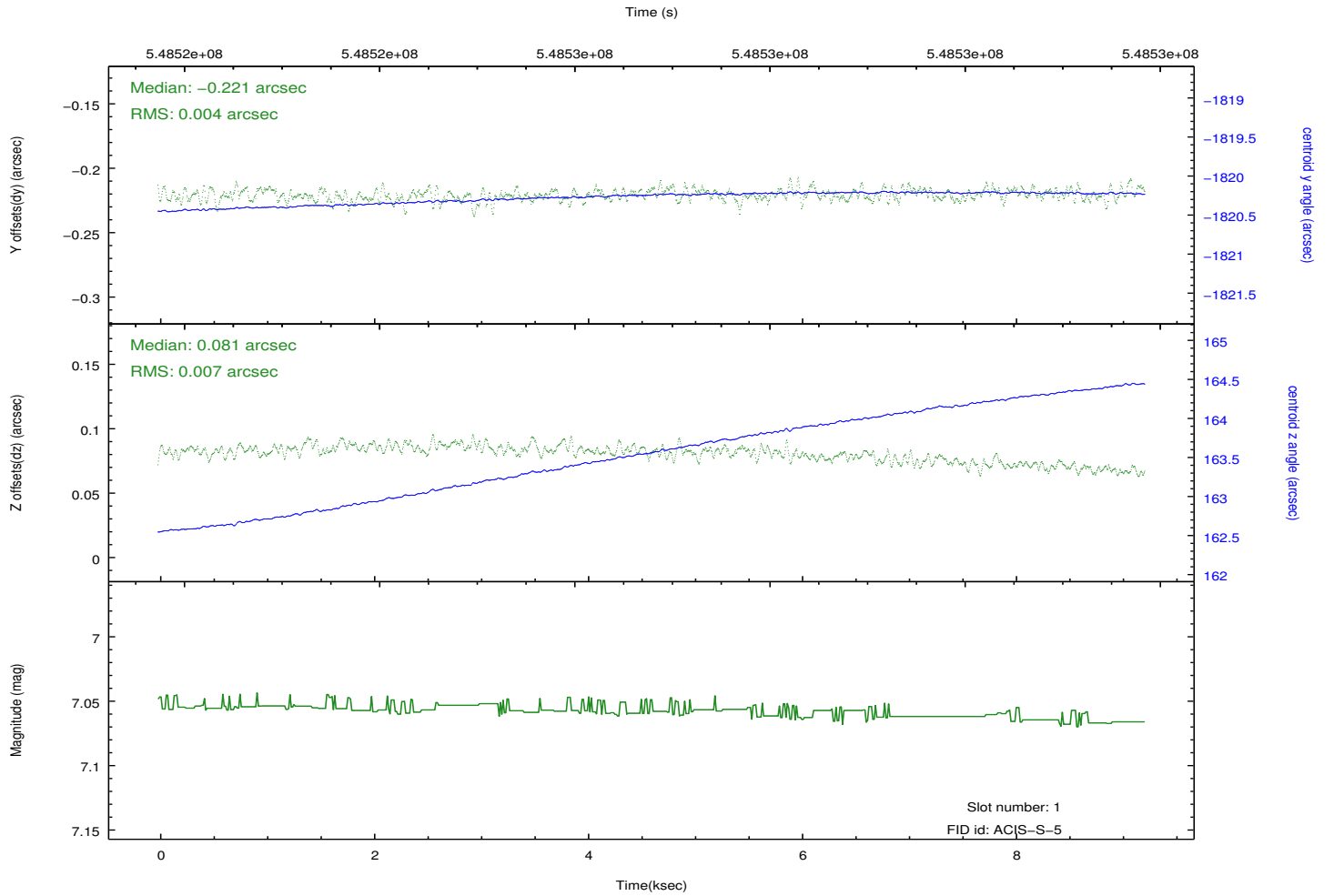
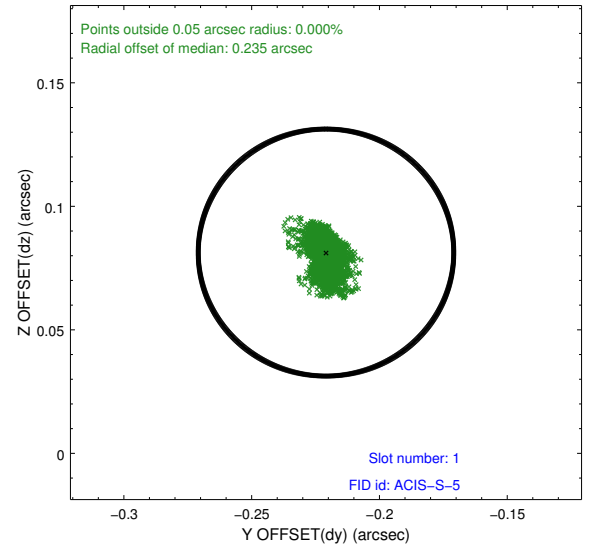
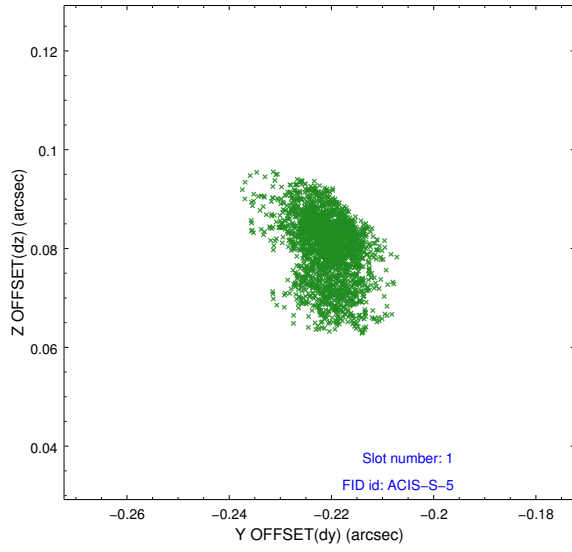


2.5 FID Slots

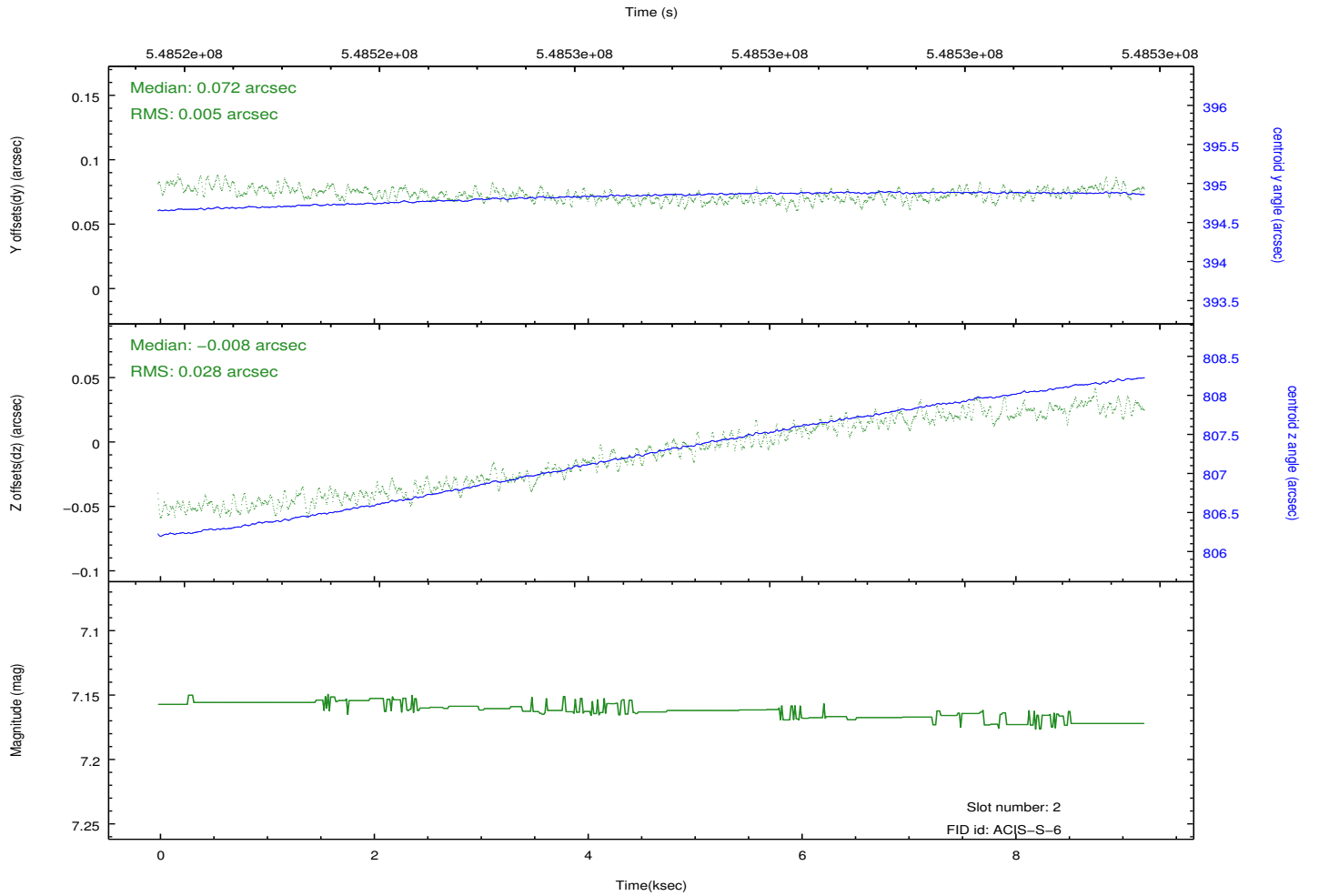
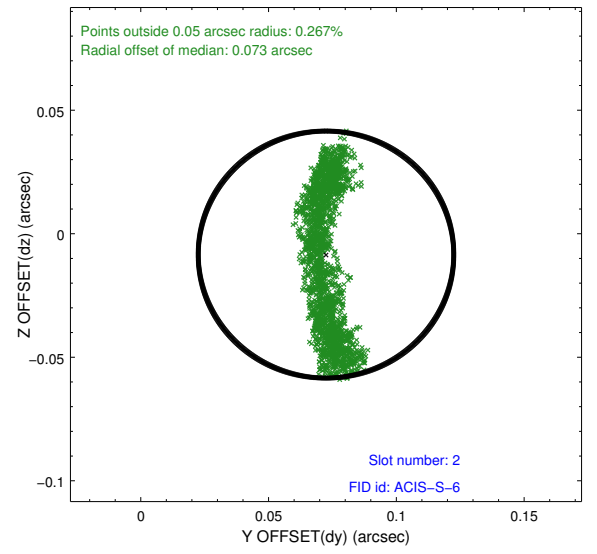
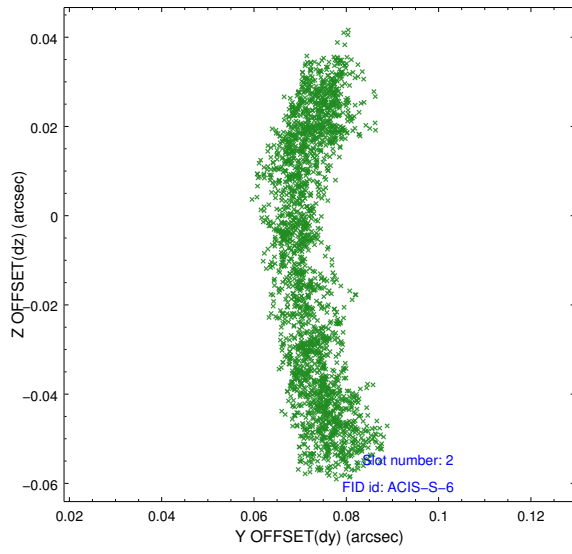
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2015.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.1810453131199

A.2 Comments