

V&V Reference Report

L2 ASCDS Version : 10.3.3

Observation 17652 - L2 Version 1
Chandra X-Ray Center

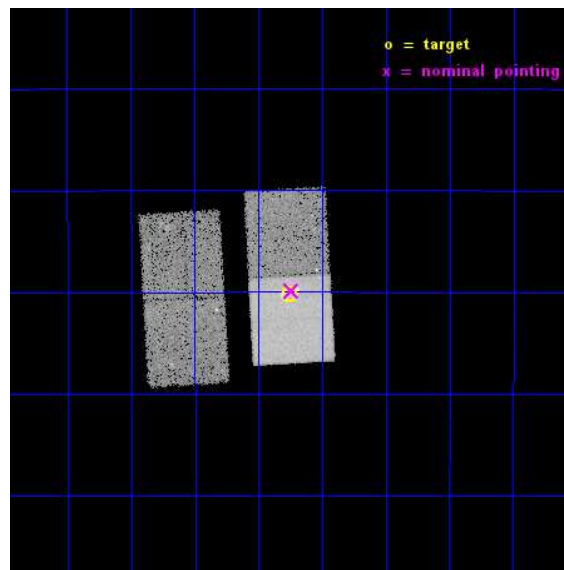
L2 Processing Date : May 10 2015

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1 Front

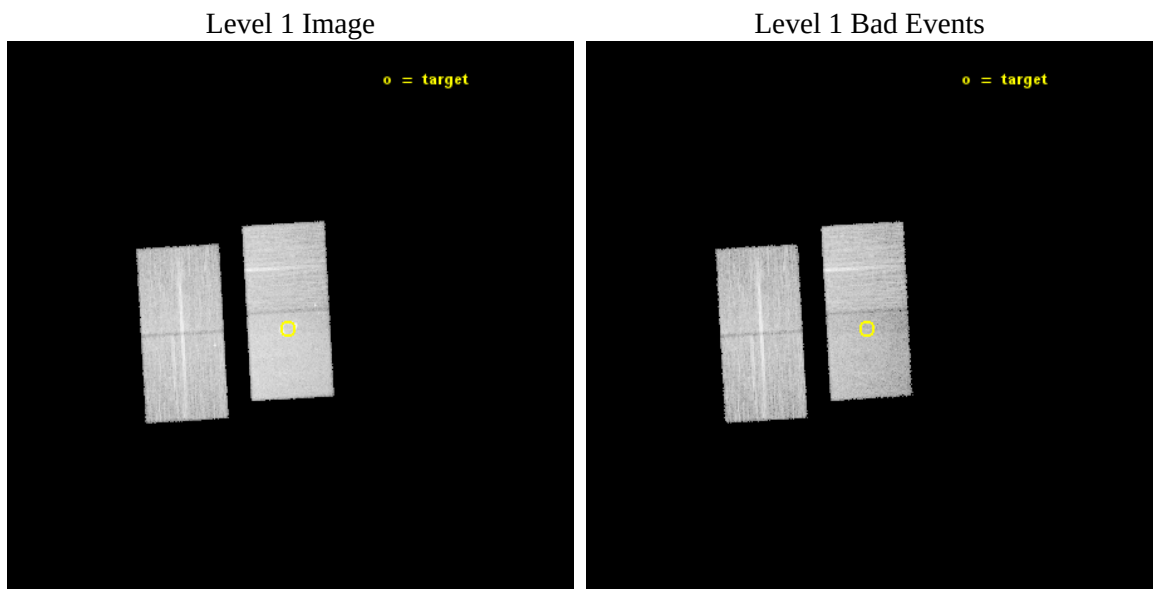
seq_num	502465	Sequence number
obs_id	17652	Observation id
title	Nonuniform expansion and brightening of the youngest Galactic SNR G1.9+0.3	Proposal title
observer	Dr. Kazimierz Borkowski	Principal investigator
object	G1.9+0.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.189167	Observer's specified target RA [deg]
dec_targ	-27.168889	Observer's specified target Dec [deg]
ra_nom	267.18557657981	Nominal RA [deg]
dec_nom	-27.164498397986	Nominal Dec [deg]
roll_nom	86.654992407415	Nominal Roll [deg]
revision	1	Processing version of data
ontime	26579.233992457	Sum of GTIs [s]
livetime	26231.956732999	Livetime [s]
ontime2	26579.110872507	Sum of GTIs [s]
ontime3	26569.728871465	Sum of GTIs [s]
ontime6	26579.192952514	Sum of GTIs [s]
ontime7	26579.233992457	Sum of GTIs [s]
l2events	108539	Number of level 2 events



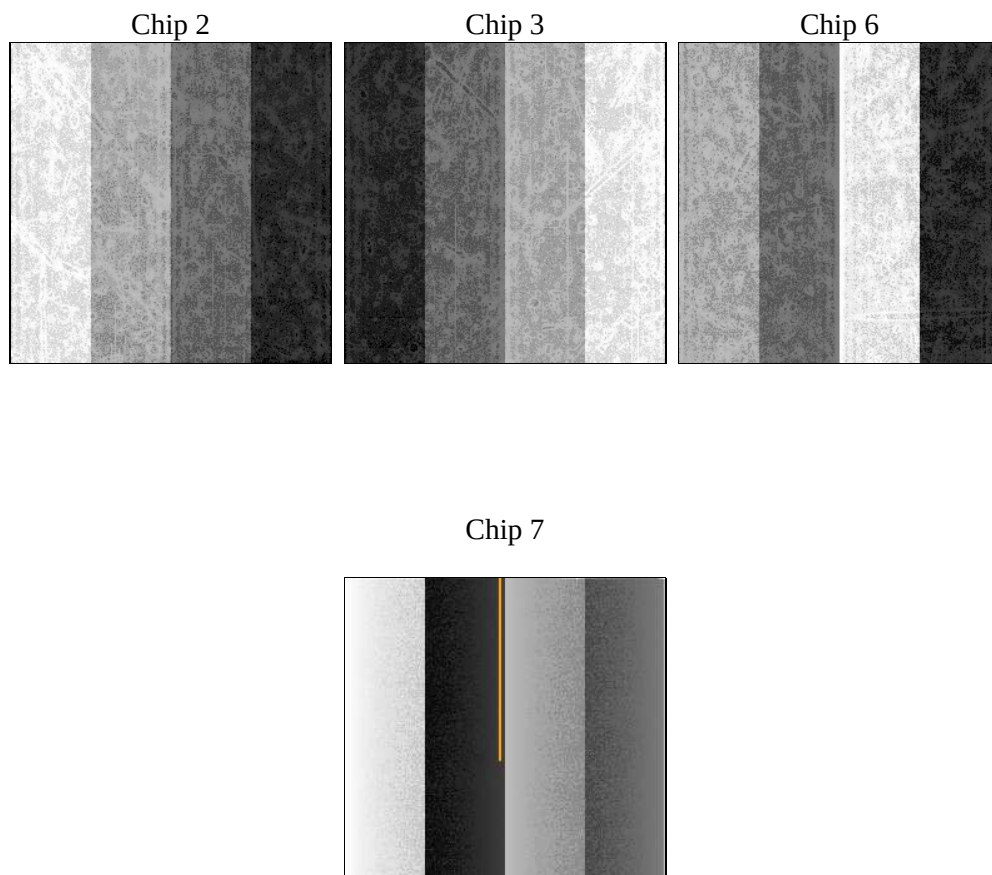
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26500.000000	[s] Scheduled observation exposure time
ascdsver	10.3.3	Processing system revision	ontime	26579.233992457	Sum of GTIs [s]
caldsver	4.6.7	 	ontime2	26579.110872507	Sum of GTIs [s]
date	2015-05-10T17:03:58	Date and time of file creation	ontime3	26569.728871465	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	26579.192952514	Sum of GTIs [s]
			ontime7	26579.233992457	Sum of GTIs [s]
			l1events	476451	Number of level 1 events

2.1.4 Events

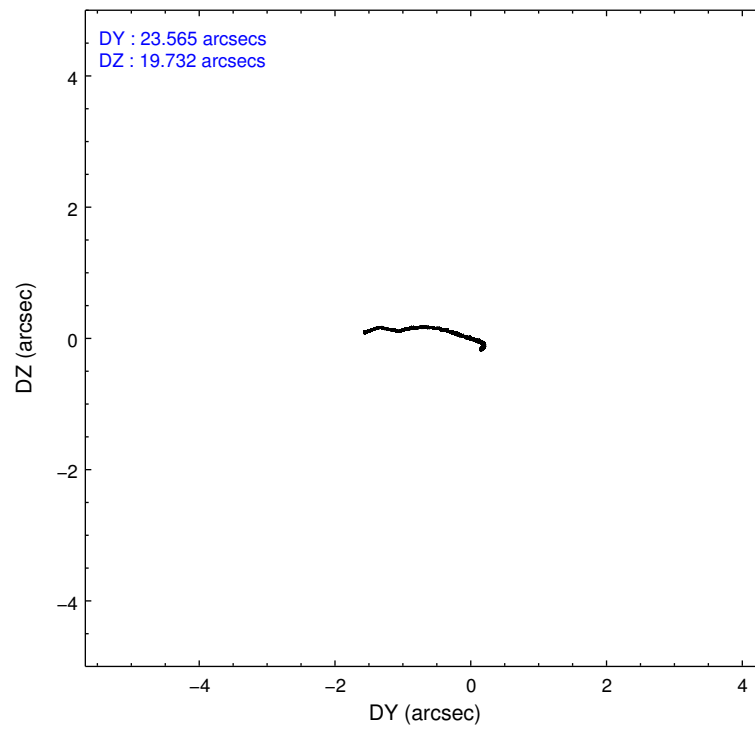
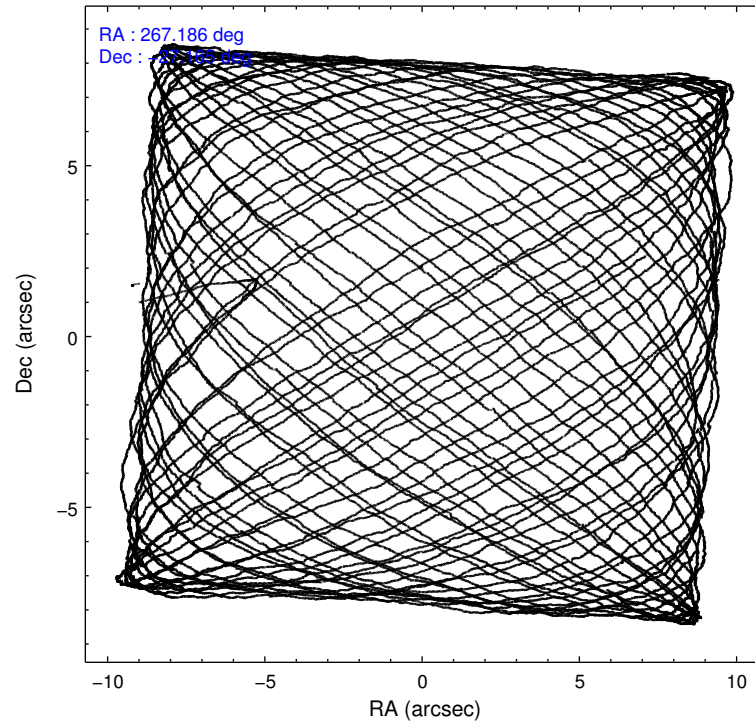
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	110533	107562	116944	141412
rejected events	96042	93585	100098	70916
rejected %	86%	87%	85%	50%

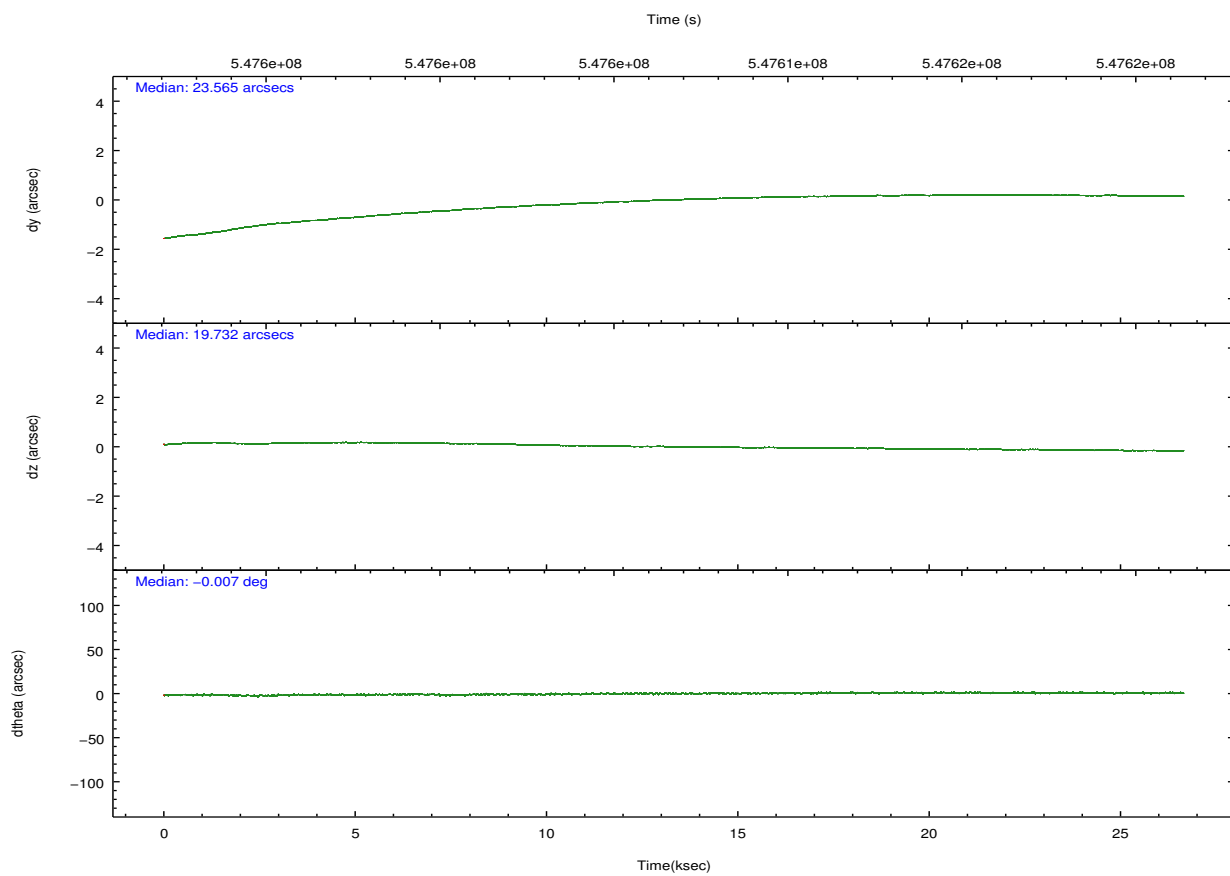
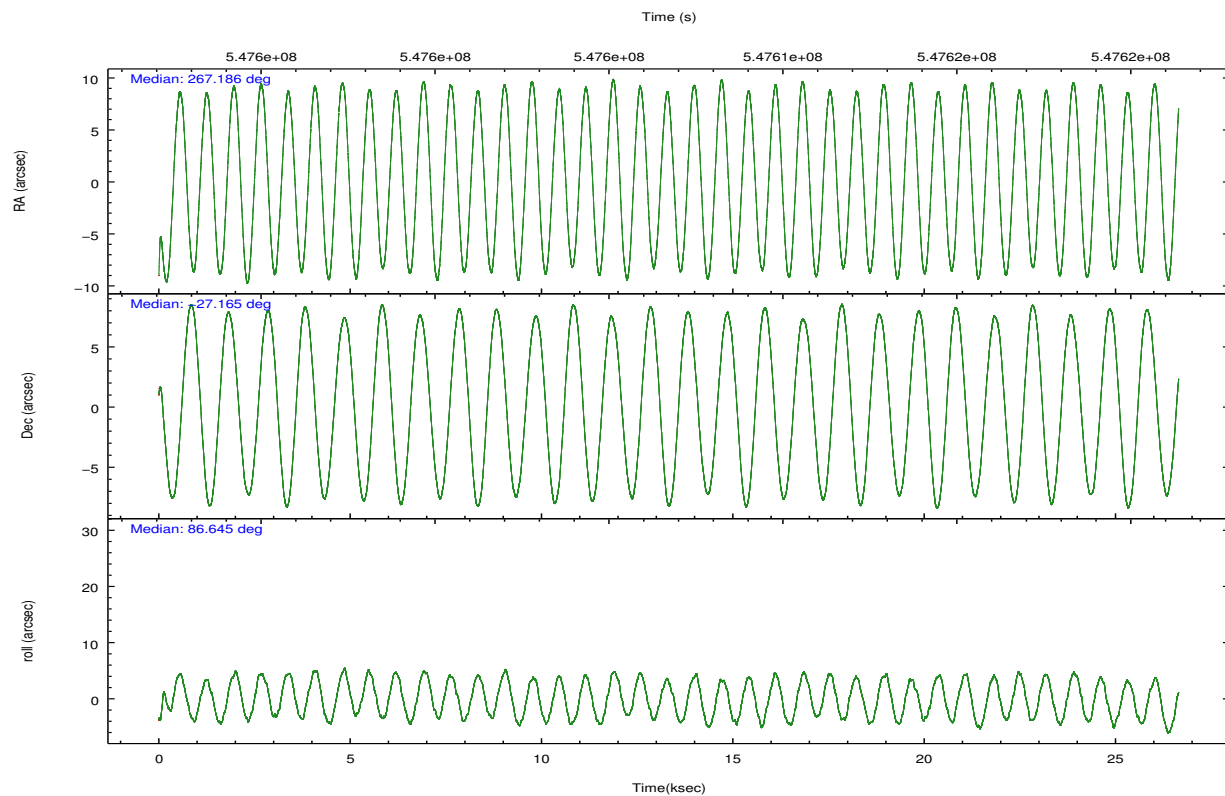
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6103	5750	7008	7555
	5%	5%	5%	5%
grade 1 events	71	65	64	202
	0%	0%	0%	0%
grade 2 events	3276	2902	3613	15337
	2%	2%	3%	10%
grade 3 events	1360	1364	1546	6345
	1%	1%	1%	4%
grade 4 events	1360	1403	1522	6224
	1%	1%	1%	4%
grade 5 events	4128	5094	5306	14319
	3%	4%	4%	10%
grade 6 events	2396	2560	3158	35043
	2%	2%	2%	24%
grade 7 events	91839	88424	94727	56387
	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	267.199811	267.1855765798095	CCD I2 on	O1	Y
[deg] Pointing Dec	-27.188841	-27.16449839798588	CCD I3 on	O2	Y
[deg] Pointing Roll	86.504860	86.65499240741471	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)	547593559.184000	547592463.97475	CCD S5 on	N	N
Observation start date	2015-05-09T21:18:12	2015-05-09T21:01:03	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	547620059.184000	547621463.78888	On-chip summing requested	N	N
Observation end date	2015-05-10T04:39:52	2015-05-10T05:04:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



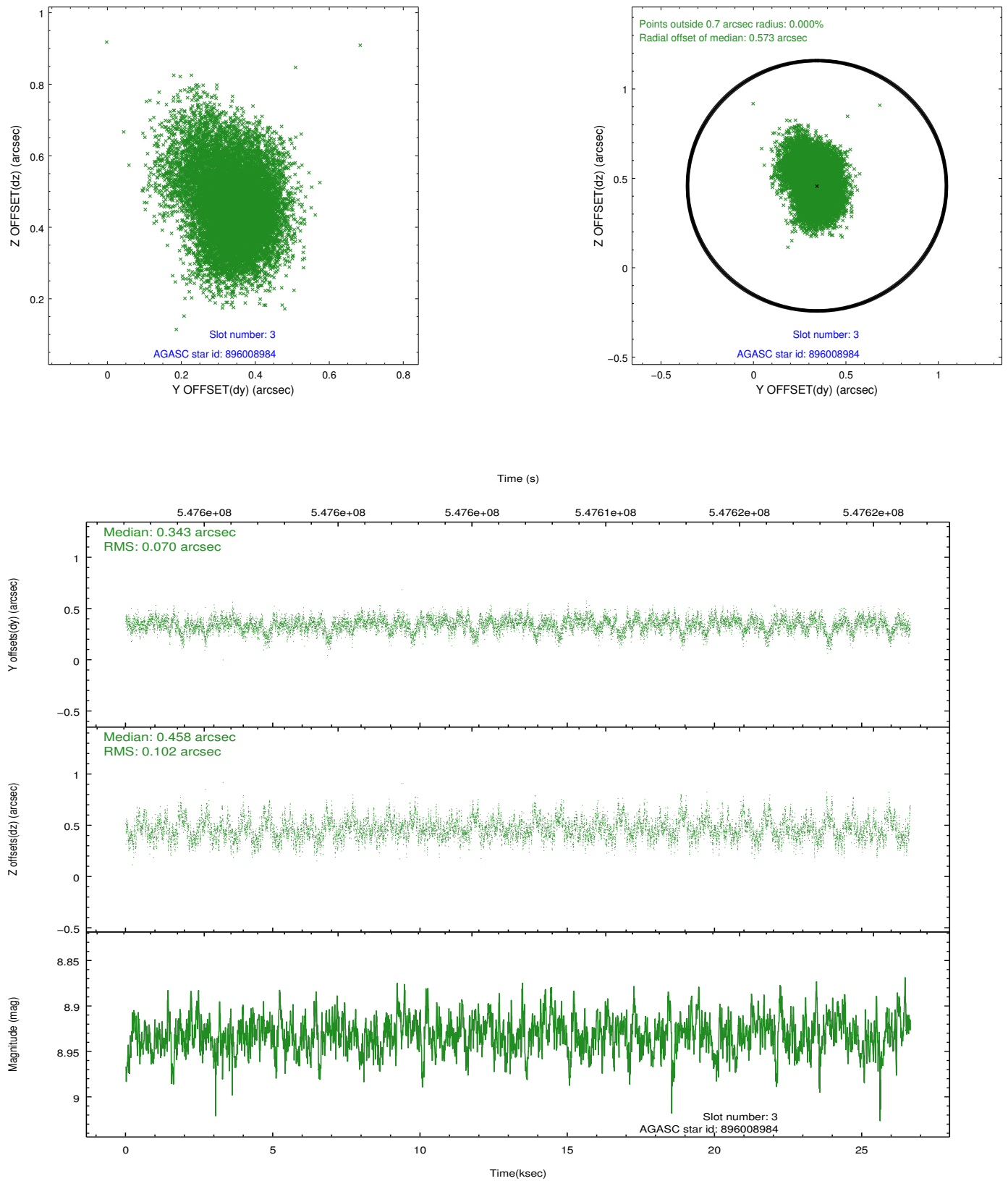


Slot Statistics

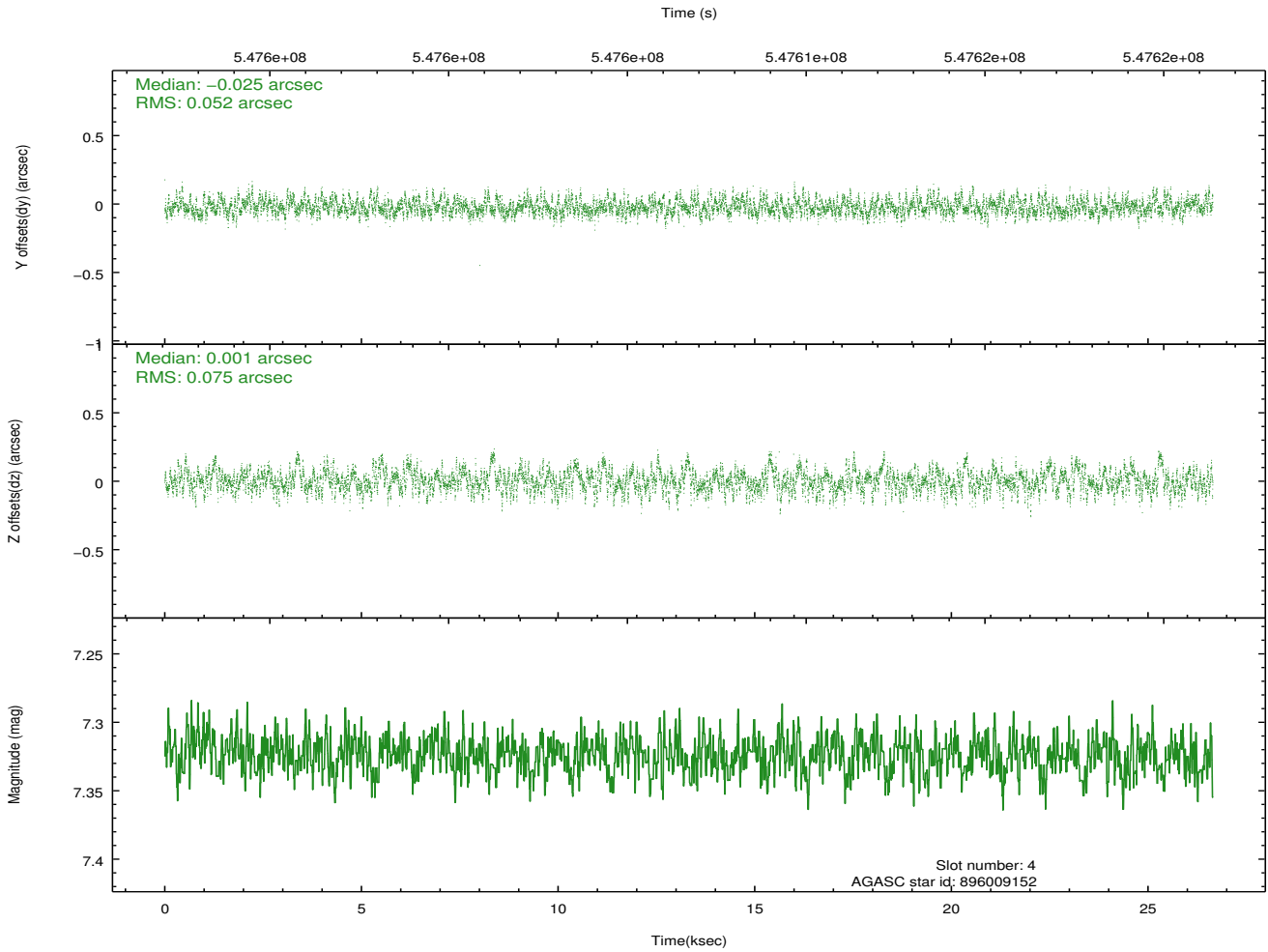
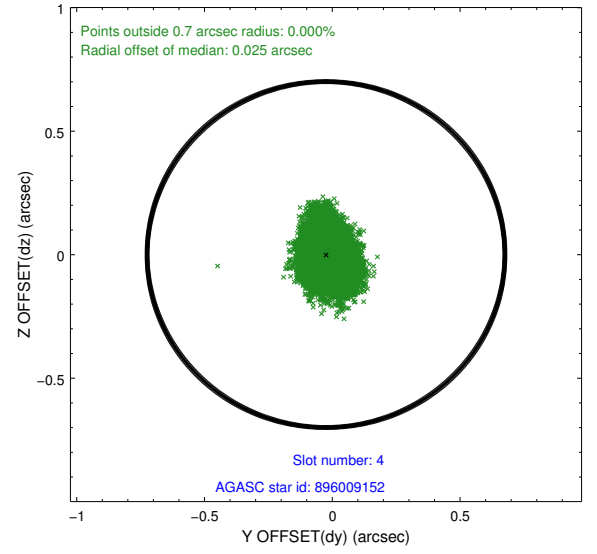
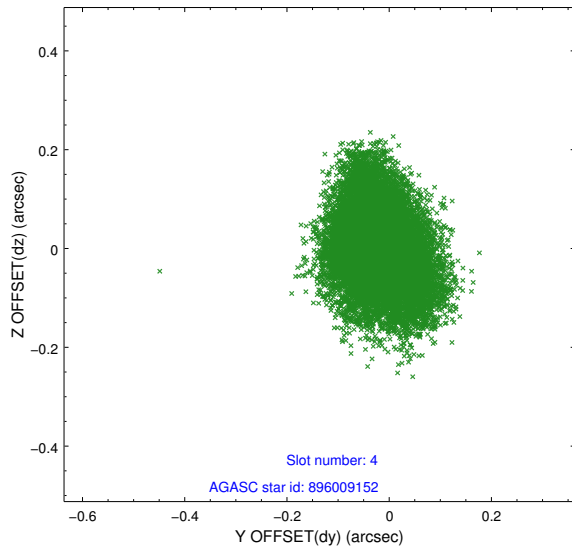
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.05	6499	0.104	-0.046	0.013	0.030	0.000000	0.000000	919.65	-1736.85
1	FID		ACIS-S-5	7.08	6500	-0.262	0.045	0.013	0.041	0.000000	0.000000	-1829.70	160.62
2	FID		ACIS-S-6	7.20	6500	0.139	0.014	0.014	0.046	0.000000	0.000000	385.05	804.72
3	GUIDE	used	896008984	8.93	12992	0.343	0.458	0.129	0.221	267.790868	-27.829489	-2190.88	-2018.86
4	GUIDE	used	896009152	7.32	12998	-0.025	0.001	0.096	0.159	267.588100	-27.061669	530.56	-1214.31
5	GUIDE	used	896012968	8.65	12987	0.142	-0.220	0.154	0.227	266.634547	-27.600471	-1592.97	1709.11
6	GUIDE	used	896014528	7.67	12996	-0.114	-0.481	0.092	0.158	266.628858	-27.438607	-1013.11	1765.45
7	GUIDE	used	897717296	8.24	12996	-0.344	0.248	0.093	0.147	267.921819	-26.875322	1261.57	-2244.99

2.4 Star Slots

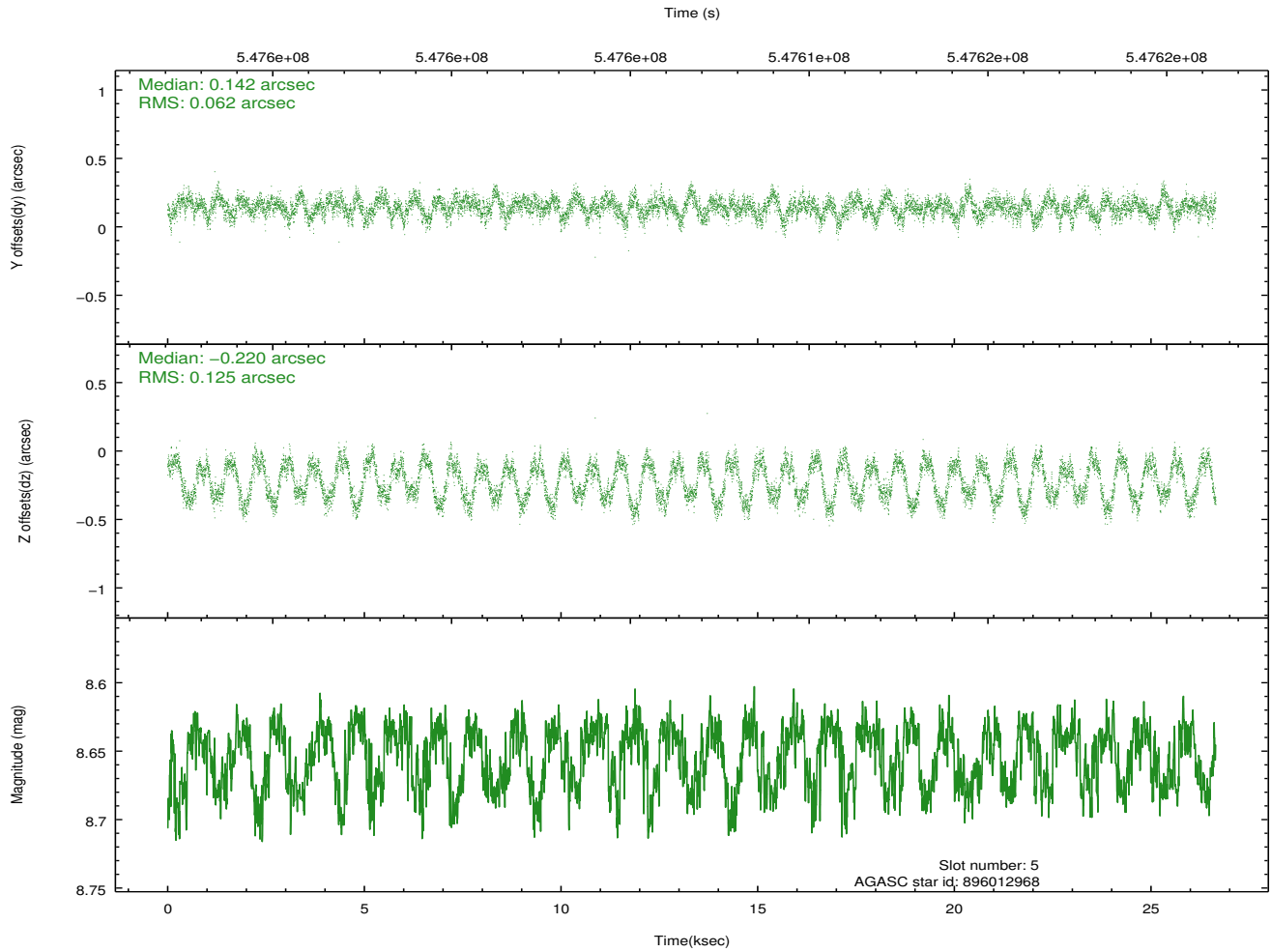
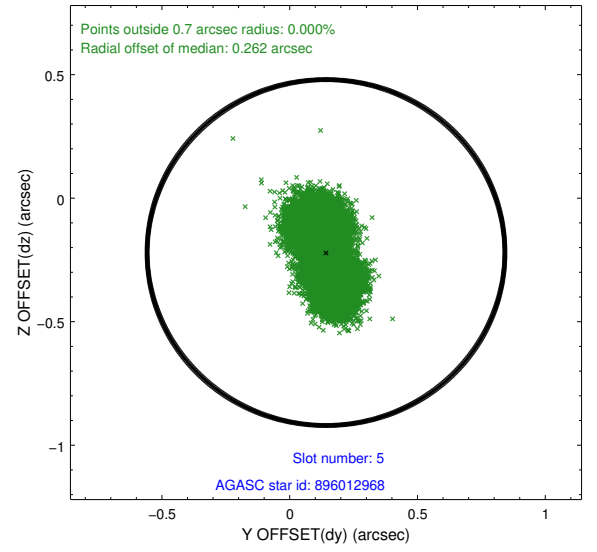
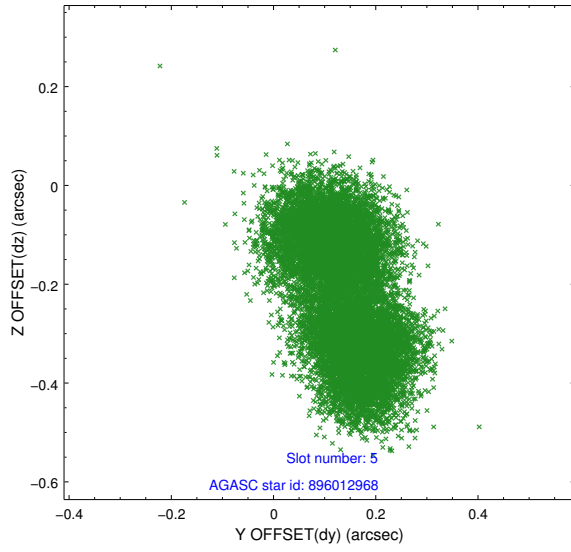
2.4.1 Slot 3



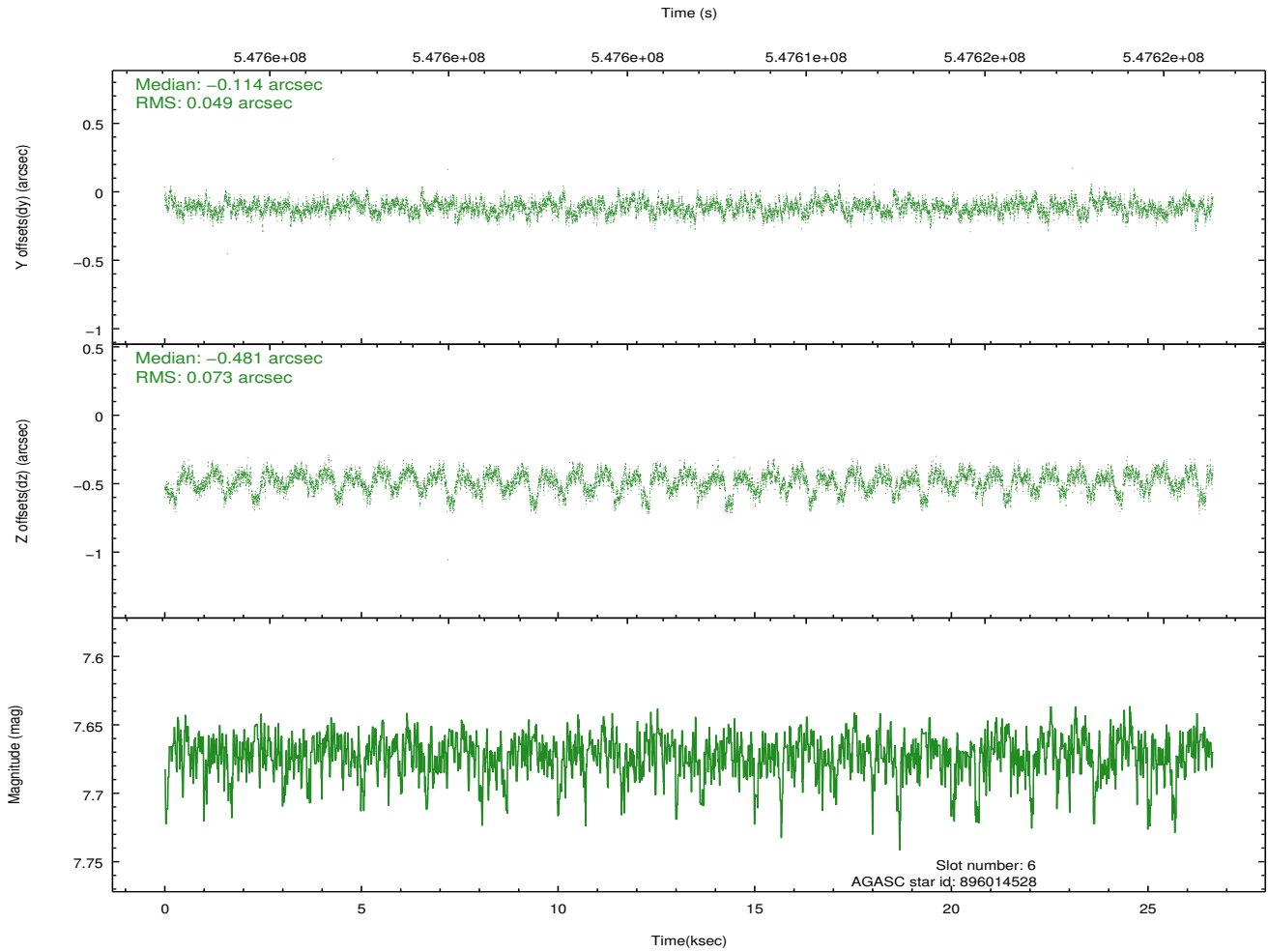
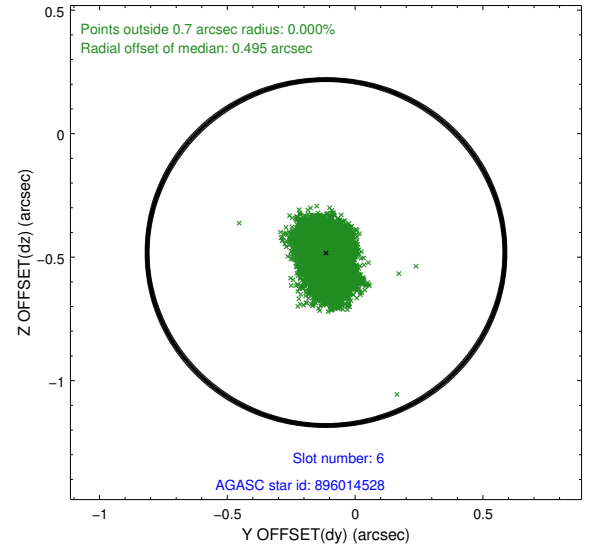
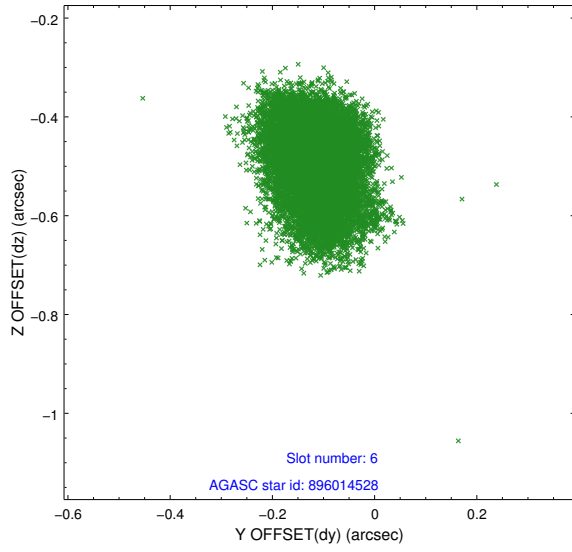
2.4.2 Slot 4



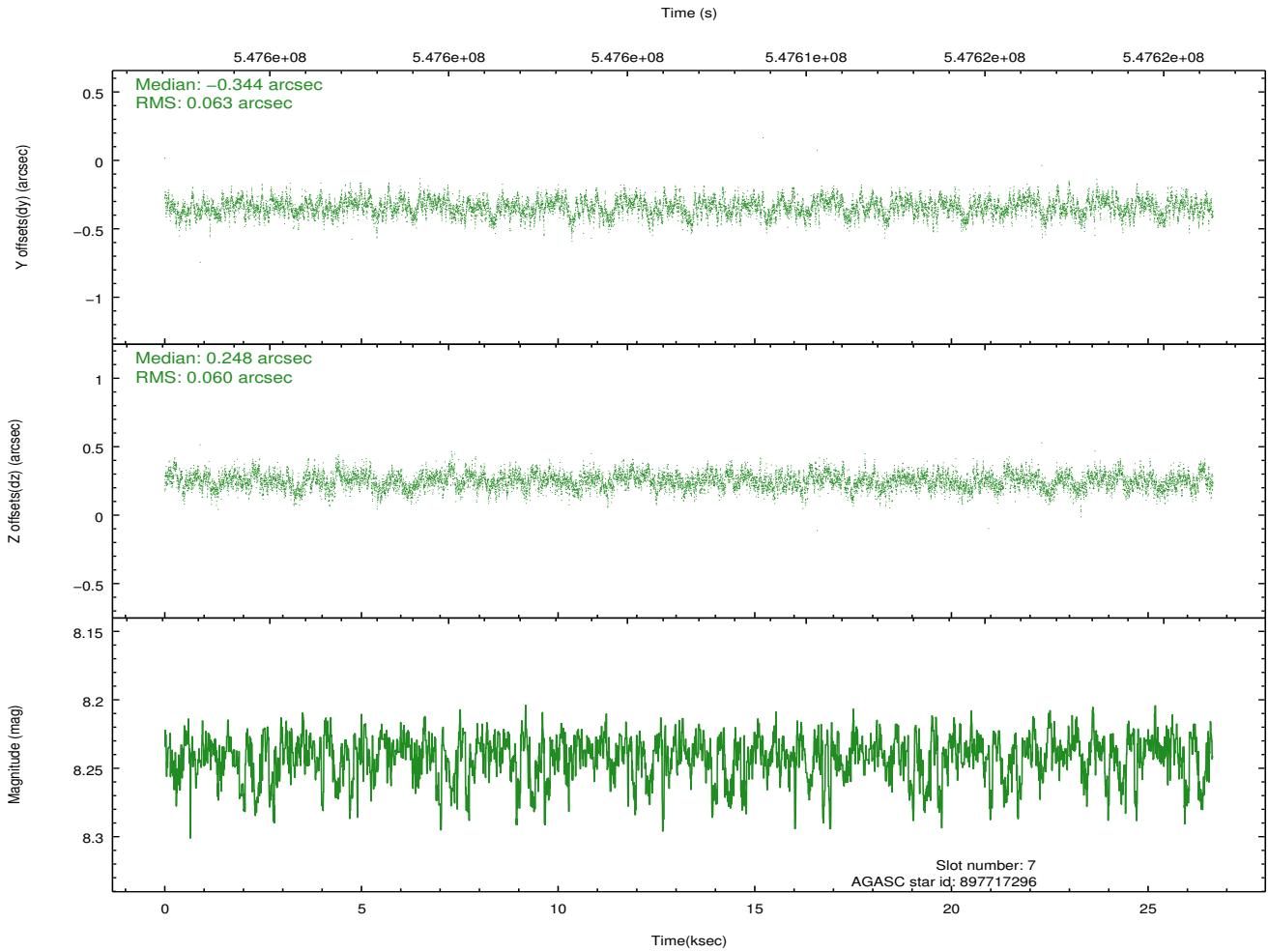
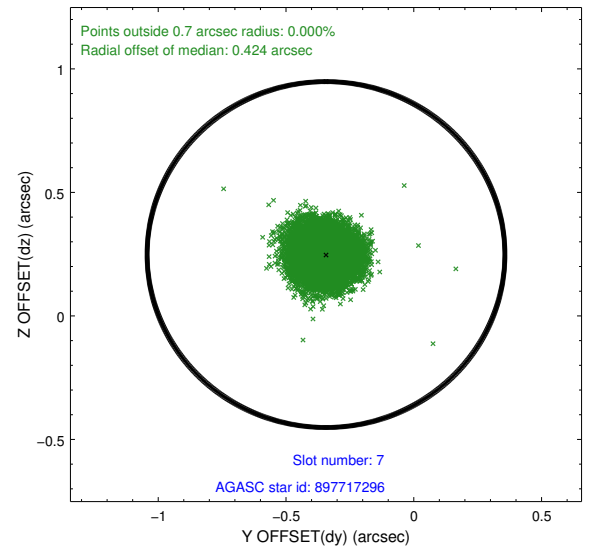
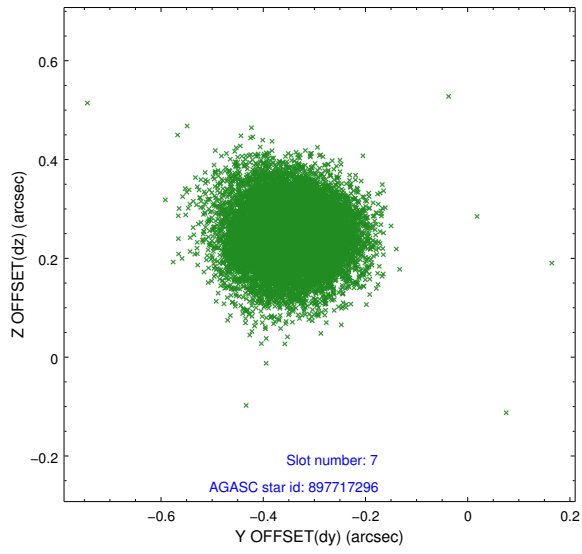
2.4.3 Slot 5



2.4.4 Slot 6

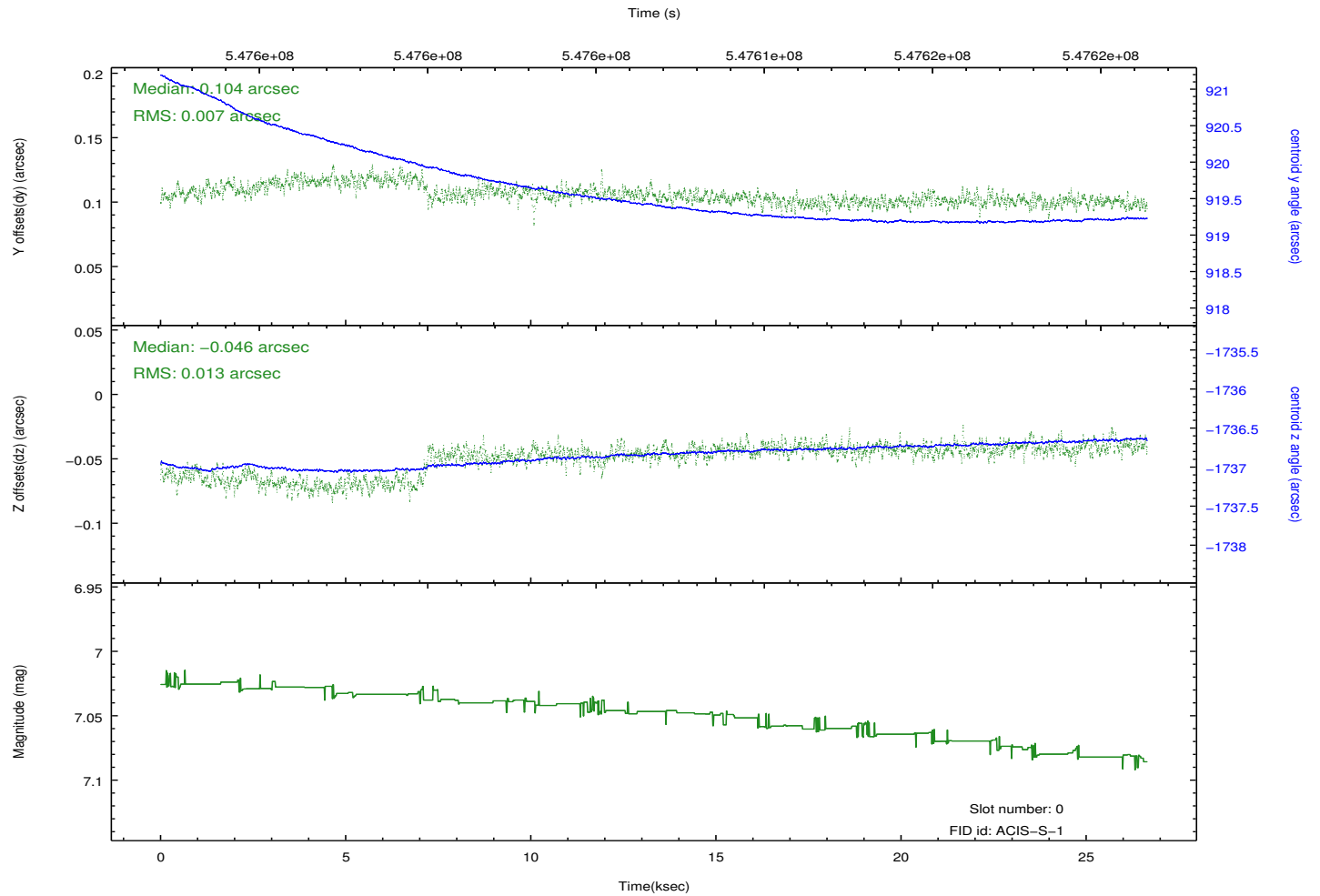
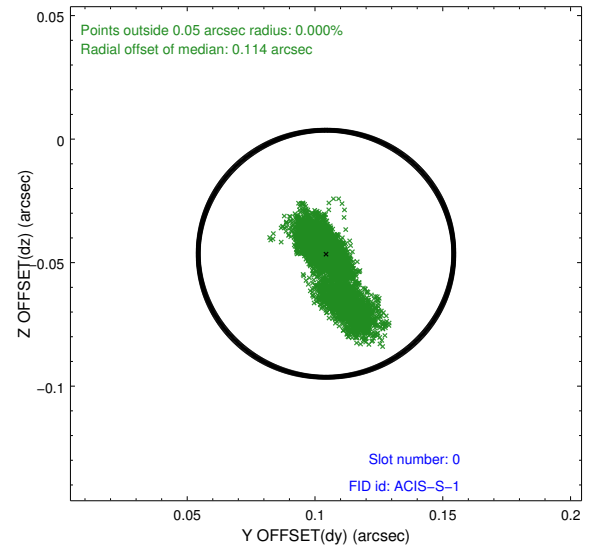
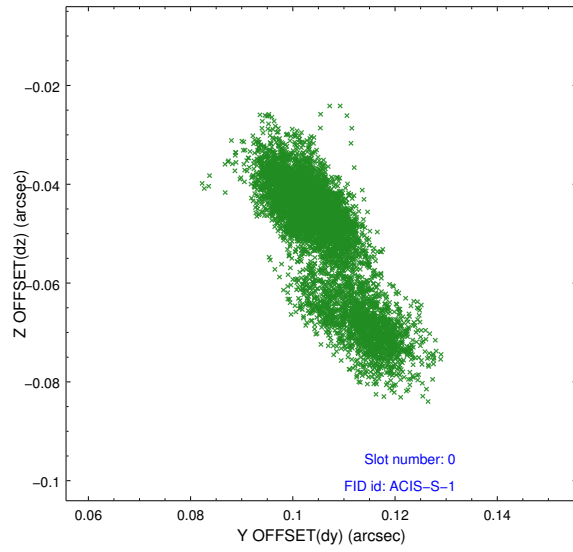


2.4.5 Slot 7

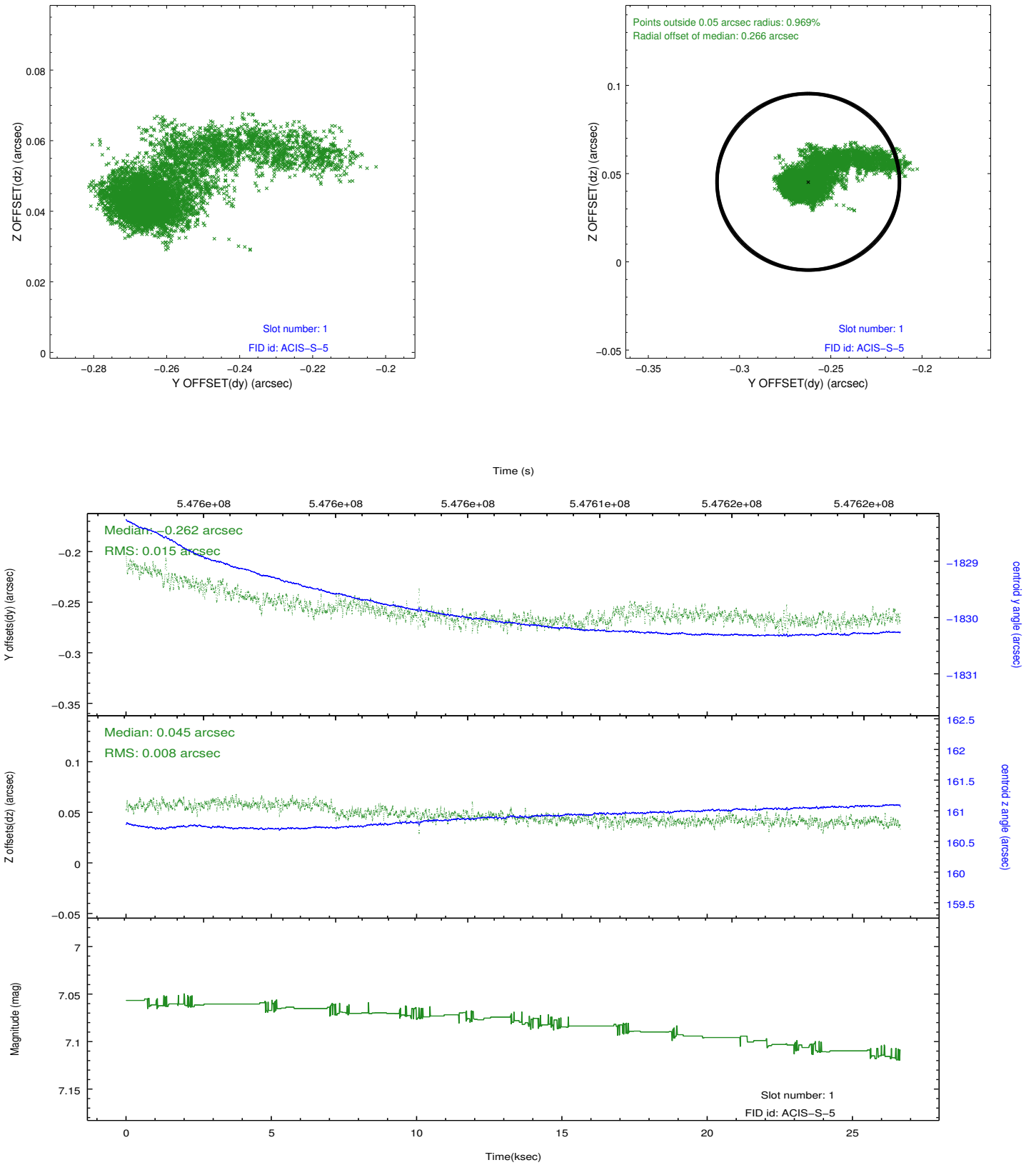


2.5 FID Slots

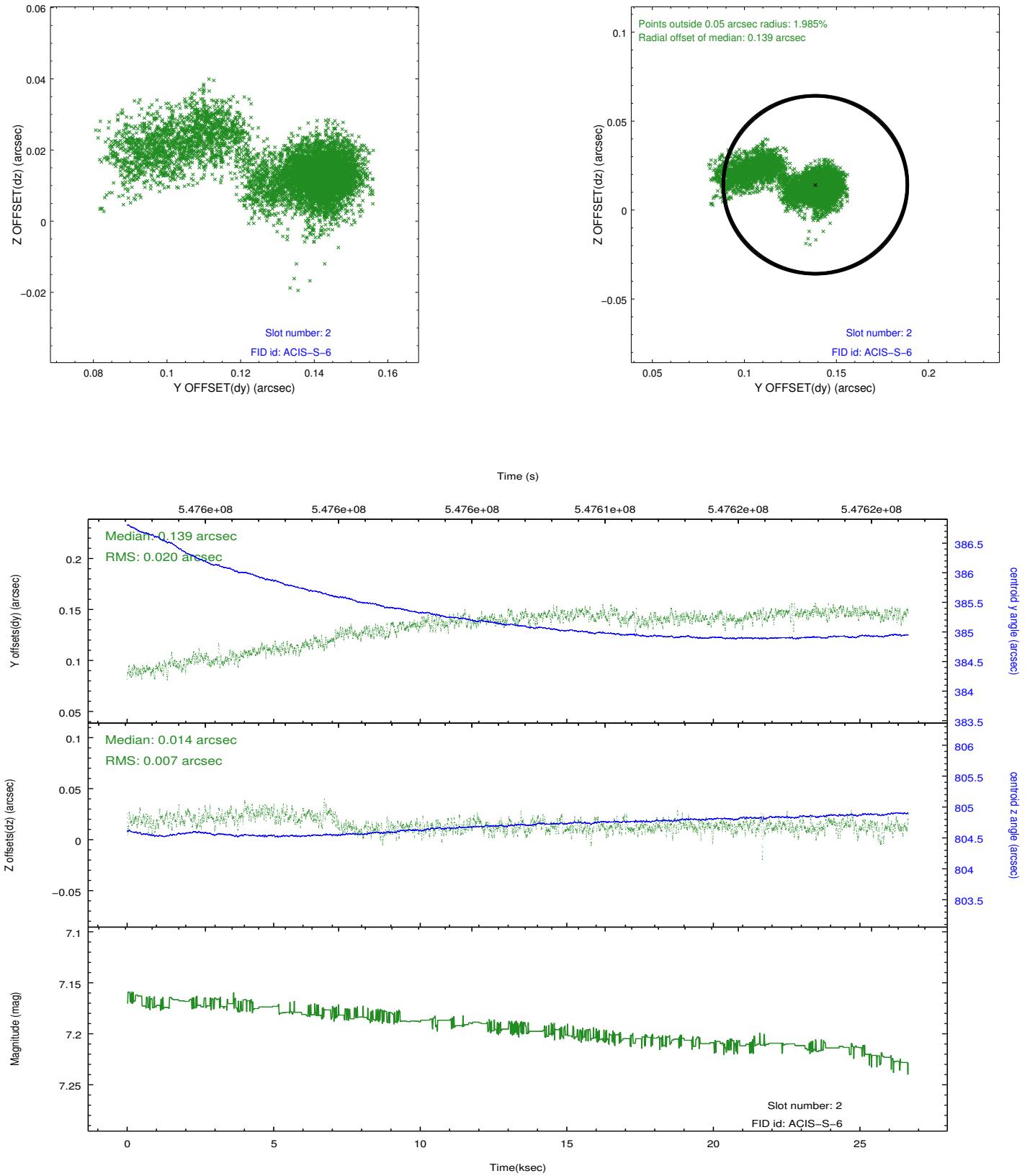
2.5.1 Slot 0



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)	2015.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.579233992457

A.2 Comments