

V&V Reference Report

L2 ASCDS Version : 10.4

Observation 17191 - L2 Version 1
Chandra X-Ray Center

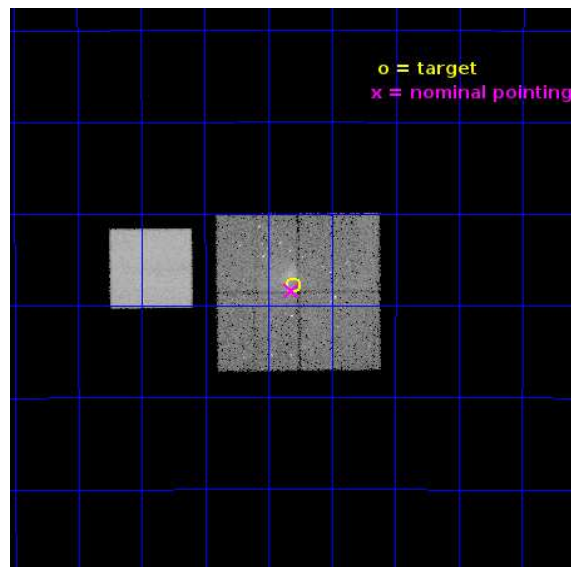
L2 Processing Date : Jun 17 2015

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1 Front

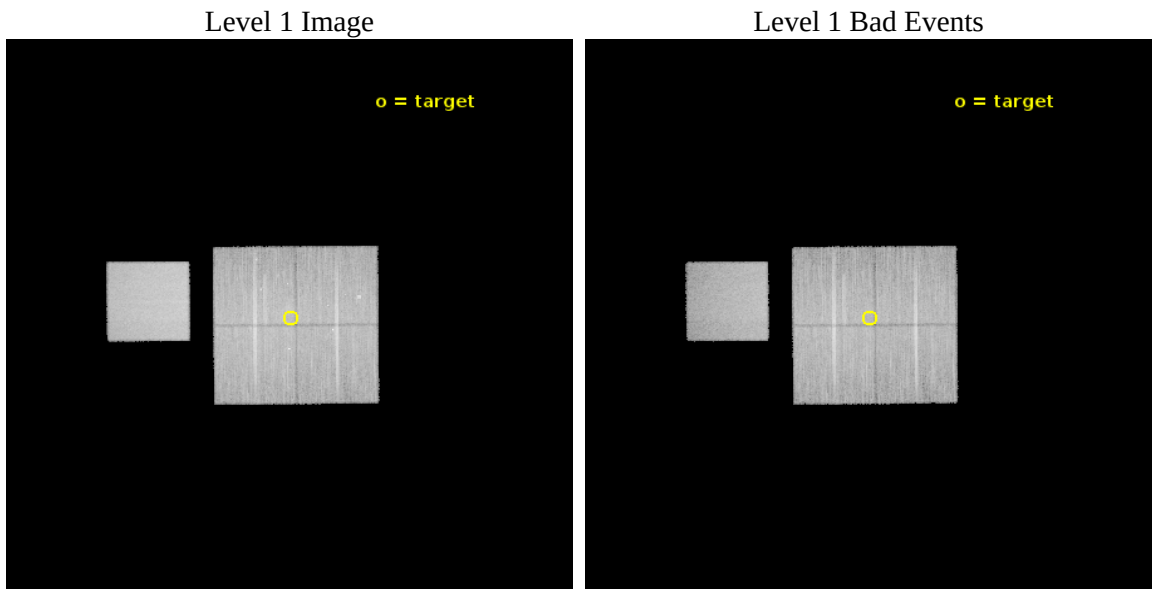
seq_num	801474	Sequence number
obs_id	17191	Observation id
title	Completing the survey of the most massive southern galaxy clusters	
observer	Prof. Hans Boehringer	Principal investigator
object	RXCJ1516.3-2737	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	229.07625	Observer's specified target RA [deg]
dec_targ	-27.63	Observer's specified target Dec [deg]
ra_nom	229.07984531682	Nominal RA [deg]
dec_nom	-27.639514443922	Nominal Dec [deg]
roll_nom	269.50058989823	Nominal Roll [deg]
revision	1	Processing version of data
ontime	35057.818109035	Sum of GTIs [s]
livetime	34599.761906251	Livetime [s]
ontime0	35057.81812942	Sum of GTIs [s]
ontime1	35064.100269794	Sum of GTIs [s]
ontime2	35057.818109155	Sum of GTIs [s]
ontime3	35057.818109035	Sum of GTIs [s]
ontime7	35064.100269794	Sum of GTIs [s]
l2events	175405	Number of level 2 events



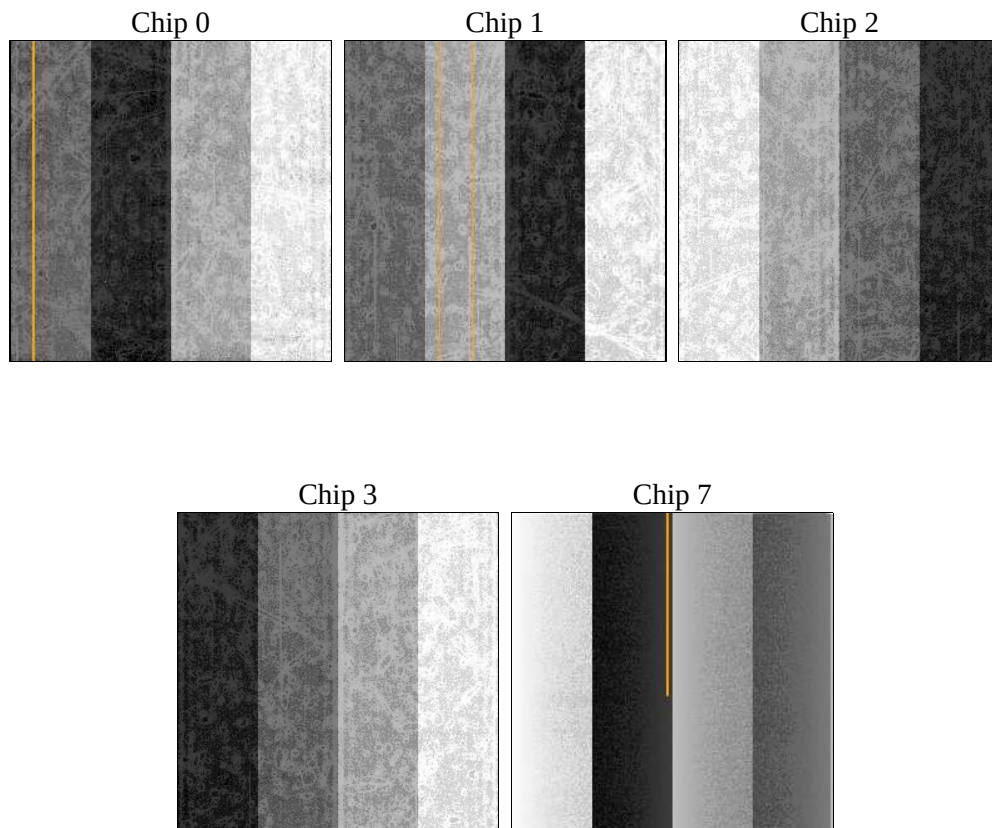
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.4	Processing system revision	ontime	35057.818109035	Sum of GTIs [s]
caldsver	4.6.7	 	ontime0	35057.81812942	Sum of GTIs [s]
date	2015-06-18T02:53:44	Date and time of file creation	ontime1	35064.100269794	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	35057.818109155	Sum of GTIs [s]
			ontime3	35057.818109035	Sum of GTIs [s]
			ontime7	35064.100269794	Sum of GTIs [s]
			l1events	947447	Number of level 1 events

2.1.4 Events

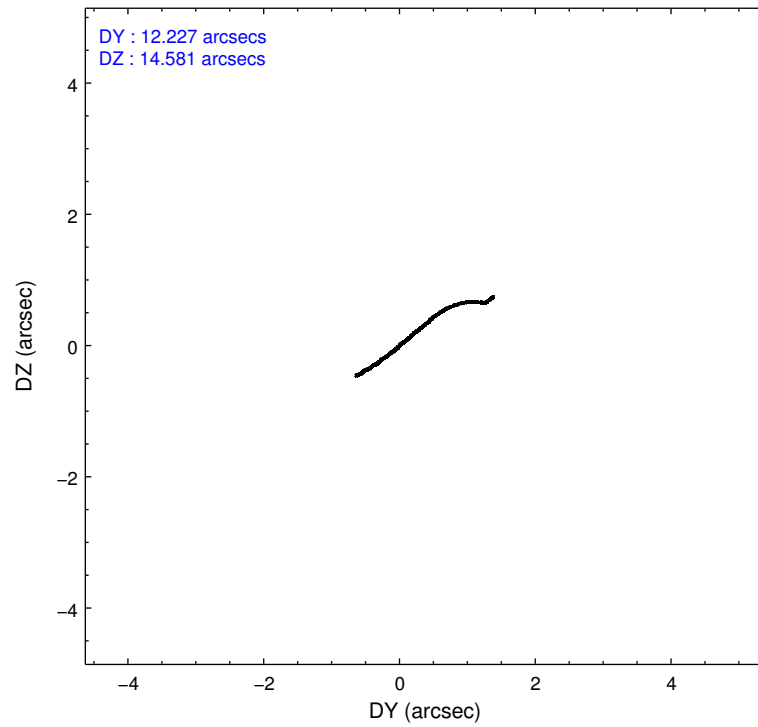
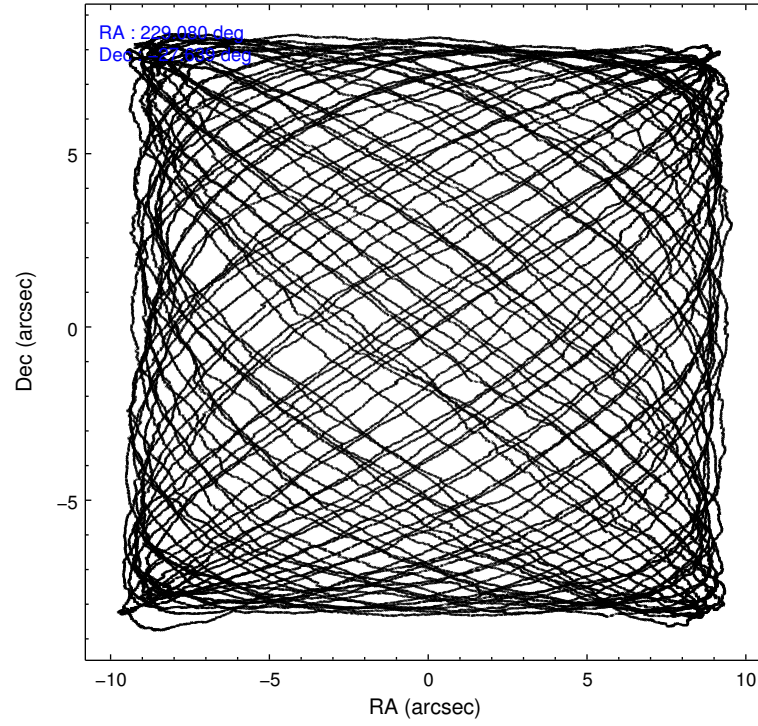
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	164968	173421	183366	182032	243660
rejected events	144055	149859	162454	158393	140498
rejected %	87%	86%	88%	87%	57%

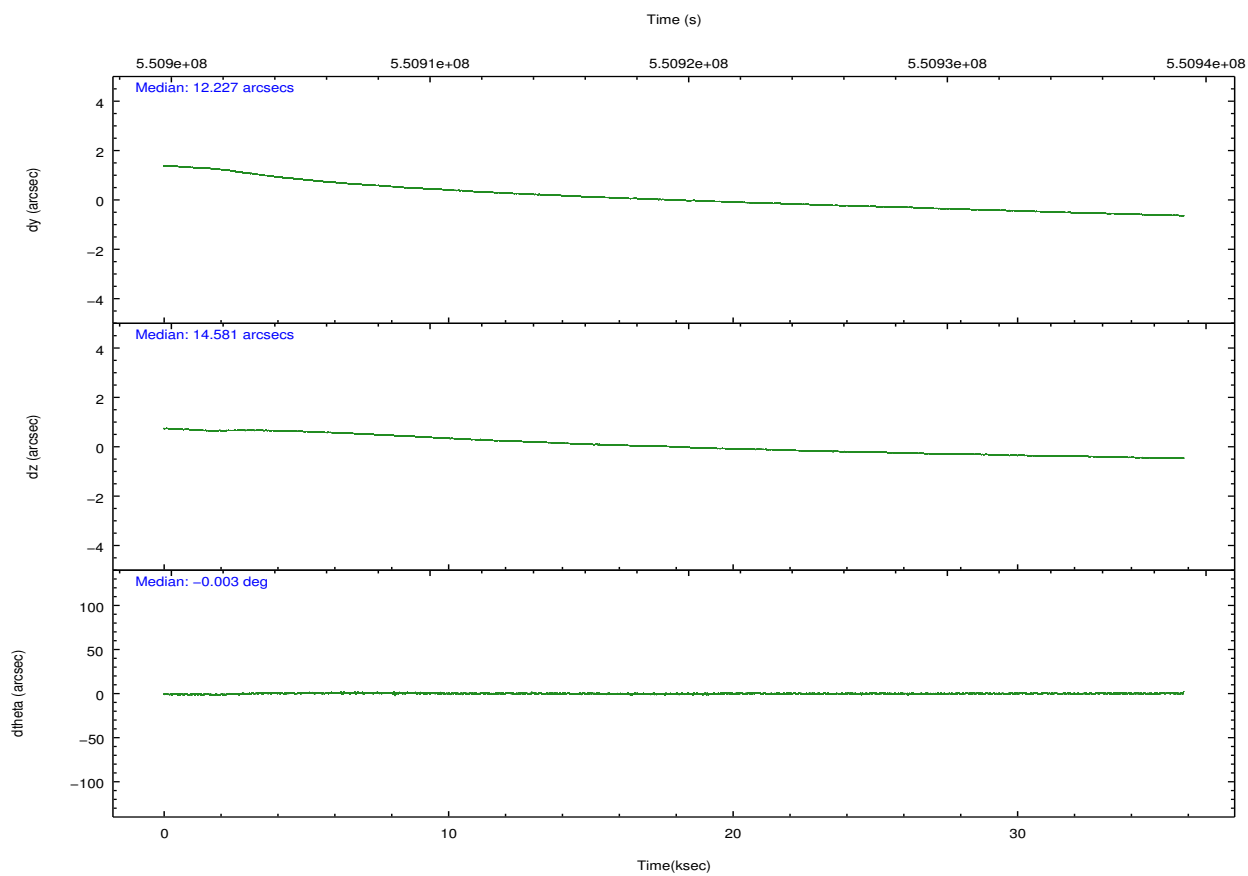
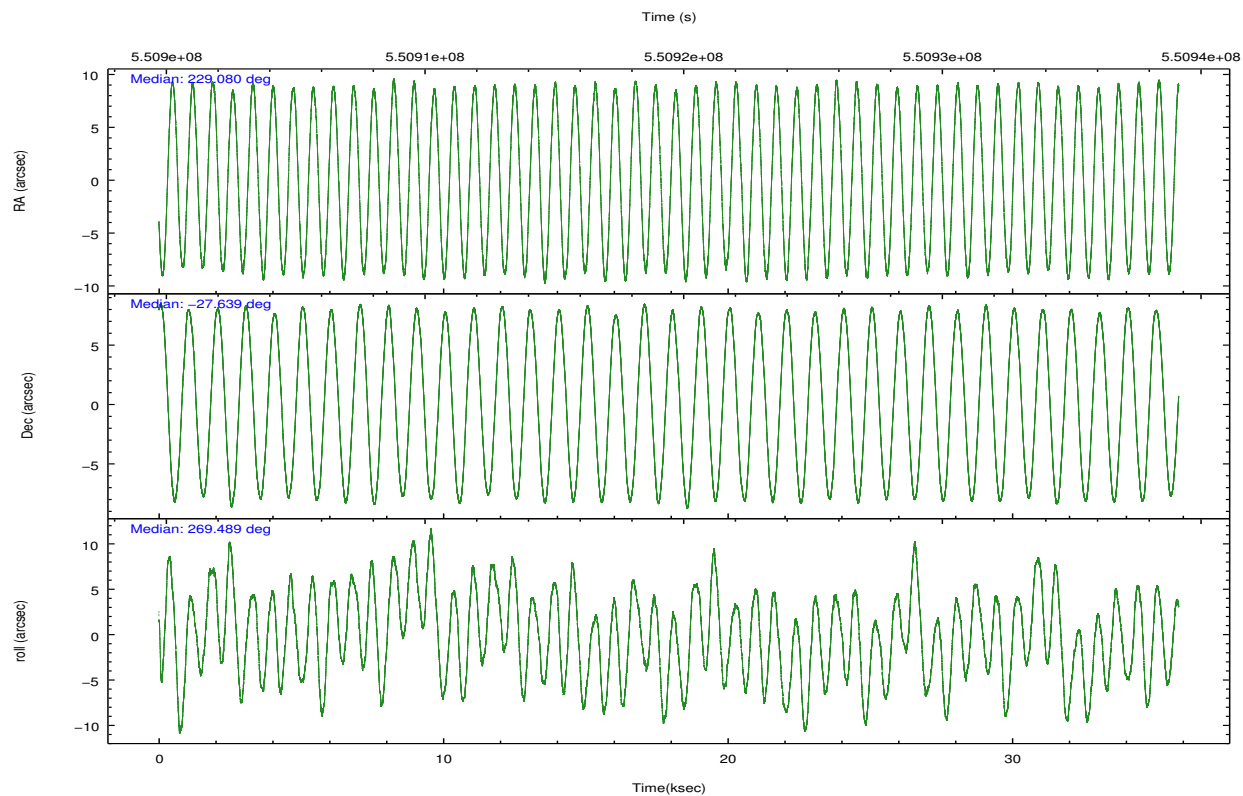
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	7501	9077	8166	10206	8484
	4%	5%	4%	5%	3%
grade 1 events	90	82	138	108	301
	0%	0%	0%	0%	0%
grade 2 events	5017	5127	4801	4724	21440
	3%	2%	2%	2%	8%
grade 3 events	2141	2213	2032	2157	8123
	1%	1%	1%	1%	3%
grade 4 events	1983	2169	1995	2280	7845
	1%	1%	1%	1%	3%
grade 5 events	7886	8454	7487	9485	24103
	4%	4%	4%	5%	9%
grade 6 events	4274	4977	3925	4274	57280
	2%	2%	2%	2%	23%
grade 7 events	136076	141322	154822	148798	116084
	82%	81%	84%	81%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	229.064421	229.0798453168233	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.615535	-27.63951444392182	CCD I3 on	Y	Y
[deg] Pointing Roll	269.284749	269.5005898982312	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	N	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	550902341.184000	550901014.51047	CCD S5 on	N	N
Observation start date	2015-06-17T04:24:34	2015-06-17T04:03:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	550937341.184000	550937878.63754	On-chip summing requested	N	N
Observation end date	2015-06-17T14:07:54	2015-06-17T14:17:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



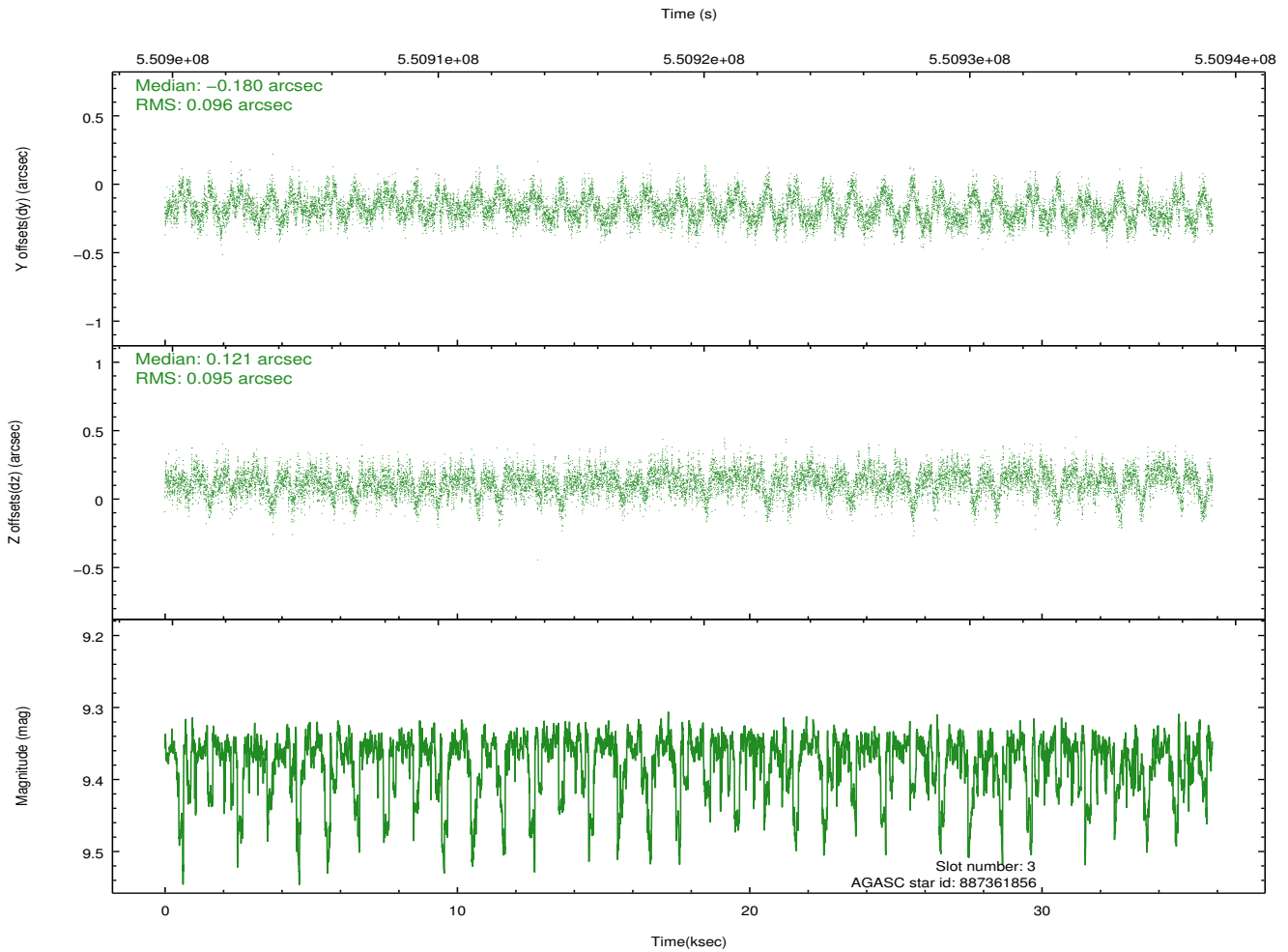
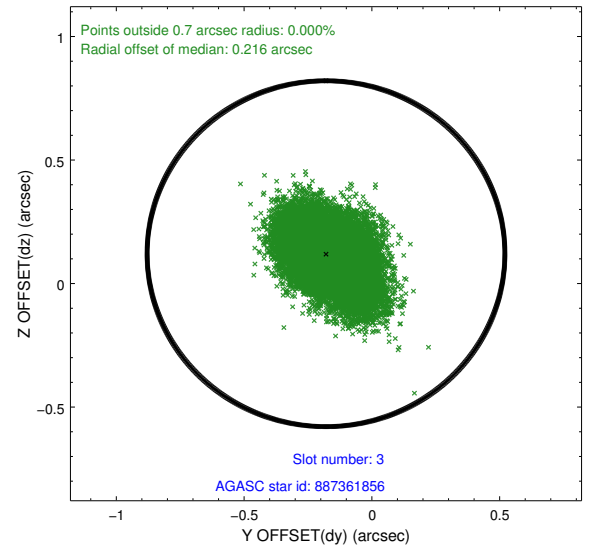
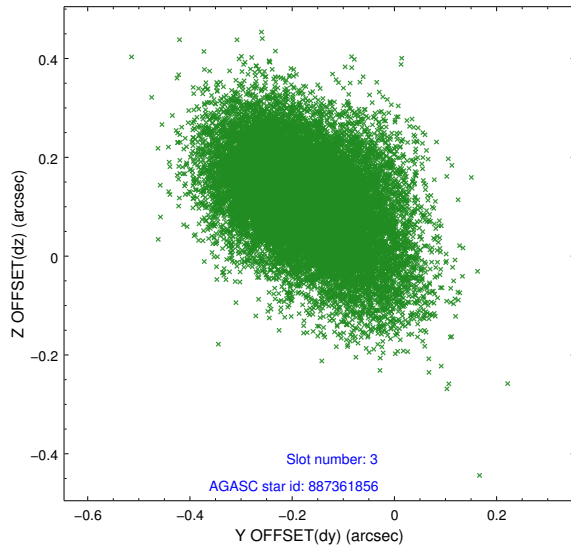


Slot Statistics

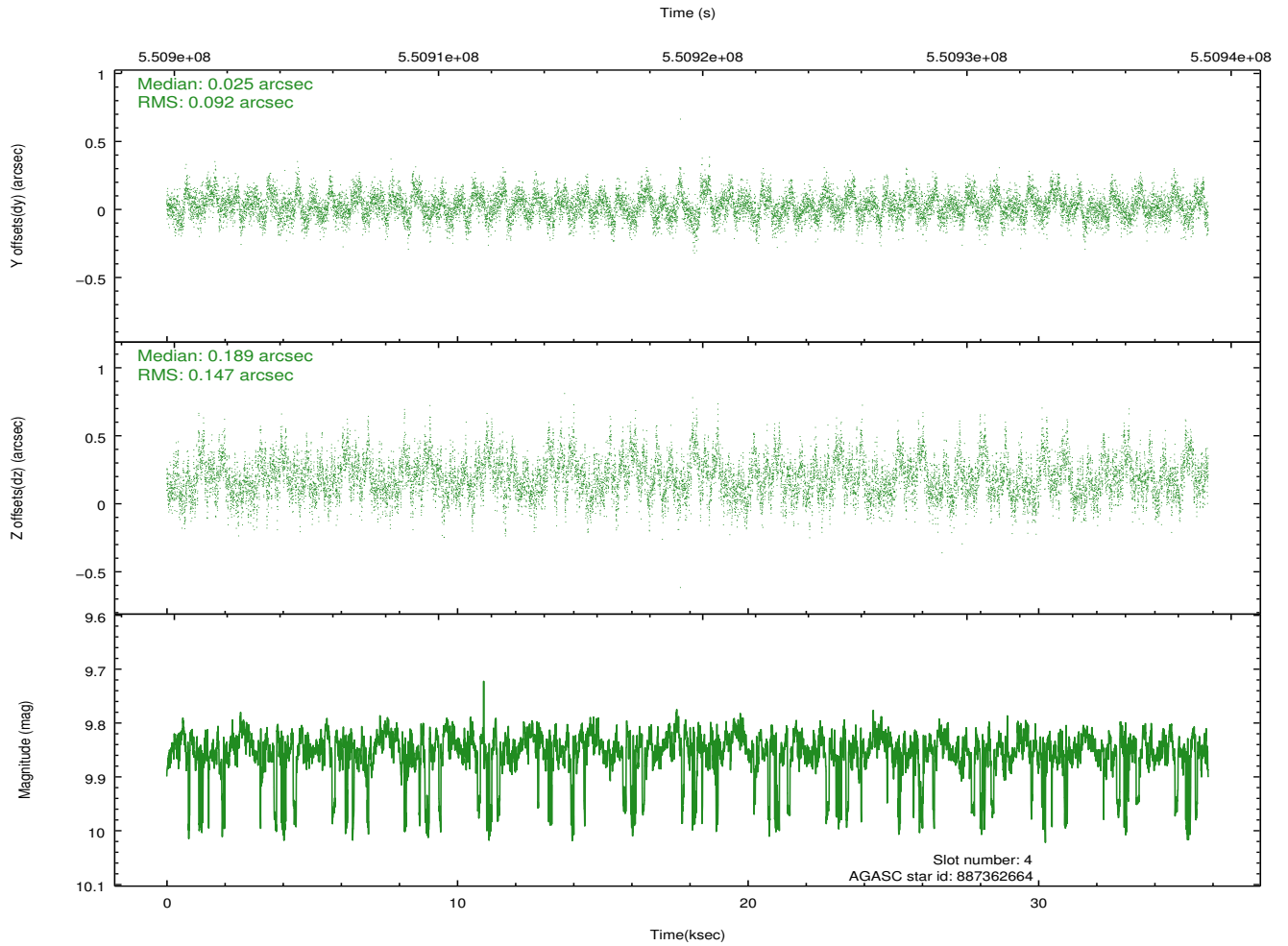
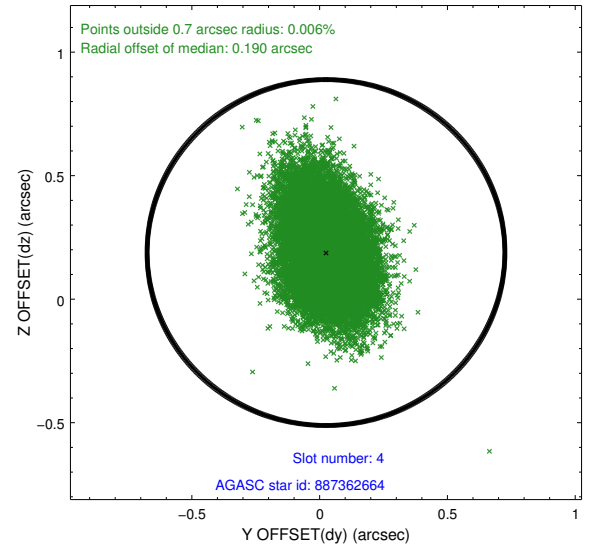
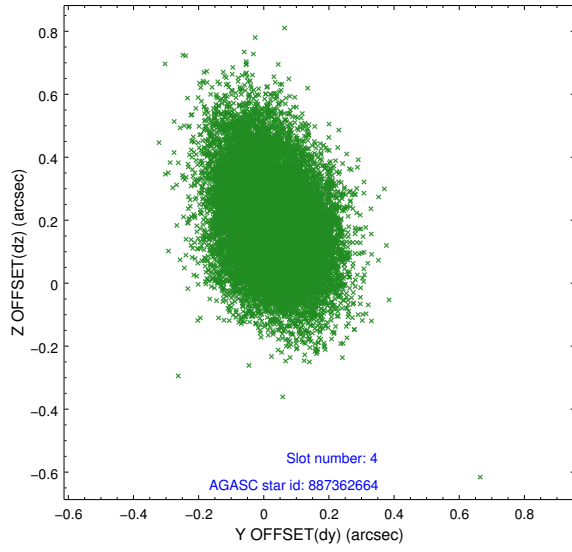
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.19	8743	0.047	-0.024	0.012	0.029	0.000000	0.000000	927.26	-838.24
1	FID		ACIS-I-5	7.17	8743	-0.231	0.043	0.009	0.026	0.000000	0.000000	-1821.16	1059.23
2	FID		ACIS-I-6	7.17	8742	0.094	0.051	0.013	0.027	0.000000	0.000000	392.75	1703.84
3	GUIDE	used	887361856	9.36	17467	-0.180	0.121	0.141	0.239	228.642824	-28.095173	1746.22	-1317.09
4	GUIDE	used	887362664	9.85	17453	0.025	0.189	0.179	0.310	228.463308	-27.733546	454.05	-1912.25
5	GUIDE	used	887365440	9.04	17469	0.193	-0.199	0.130	0.218	229.285617	-27.965751	1252.96	718.96
6	GUIDE	used	887366648	9.42	17472	0.074	-0.050	0.139	0.221	229.219355	-27.150146	-1680.76	475.02
7	GUIDE	used	887364192	9.48	17472	-0.103	-0.065	0.178	0.271	229.810036	-27.879653	928.25	2384.15

2.4 Star Slots

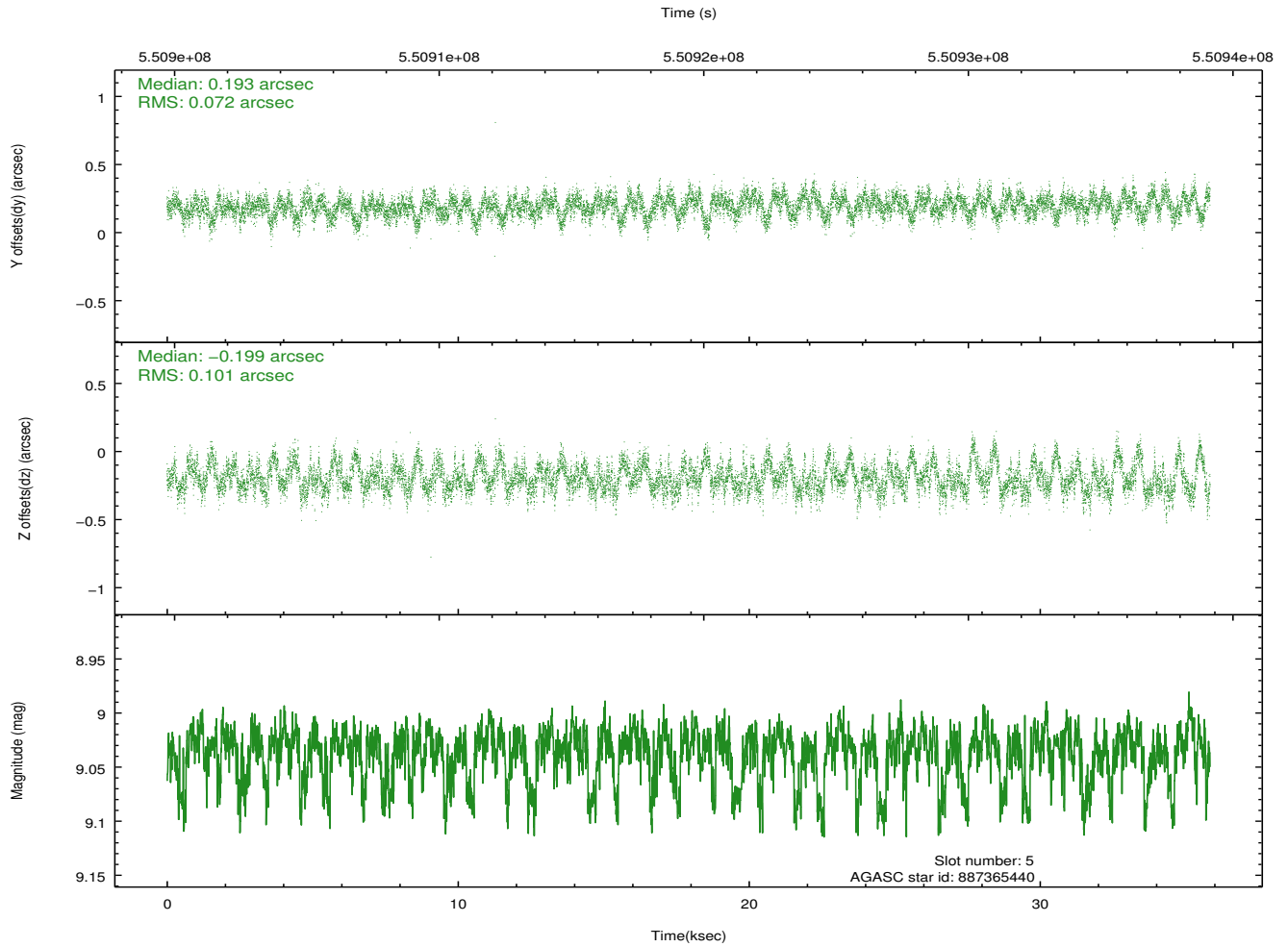
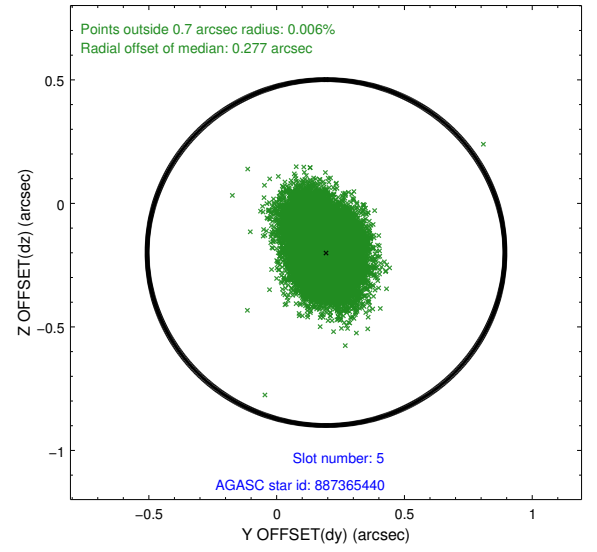
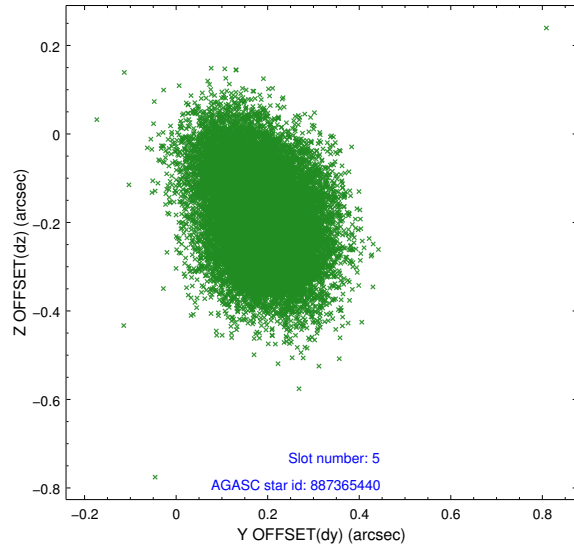
2.4.1 Slot 3



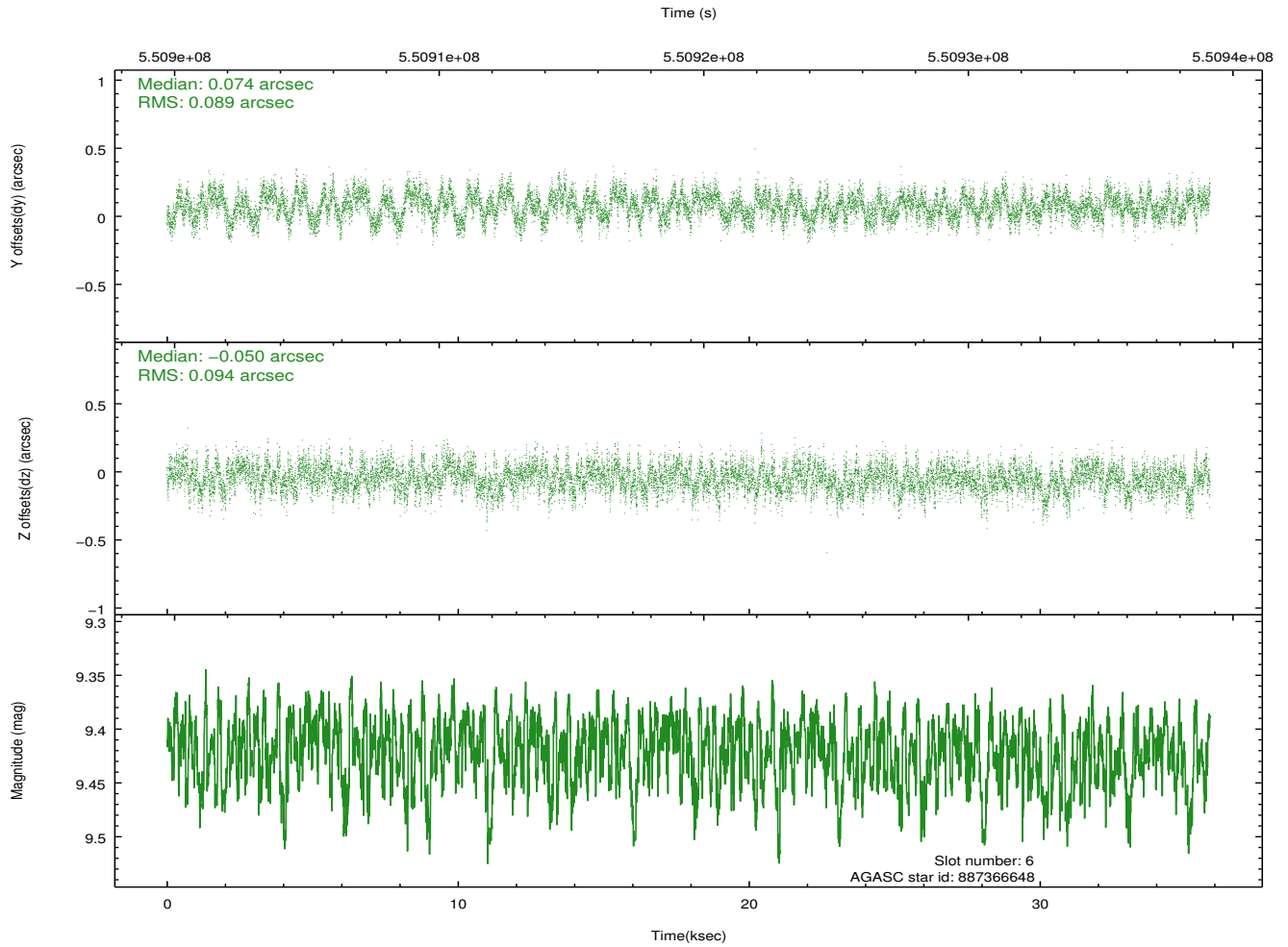
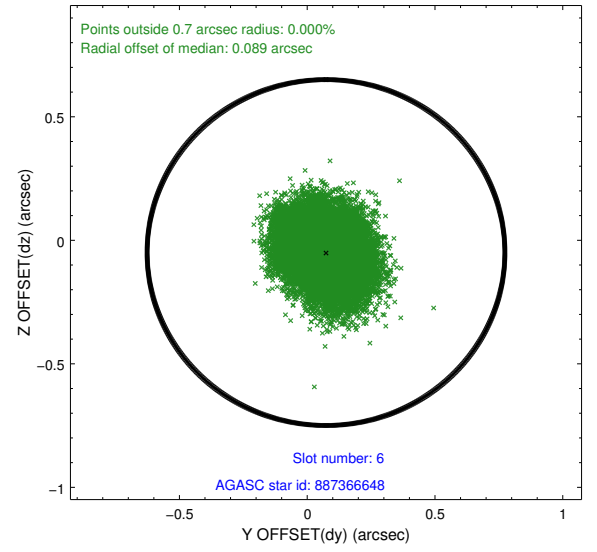
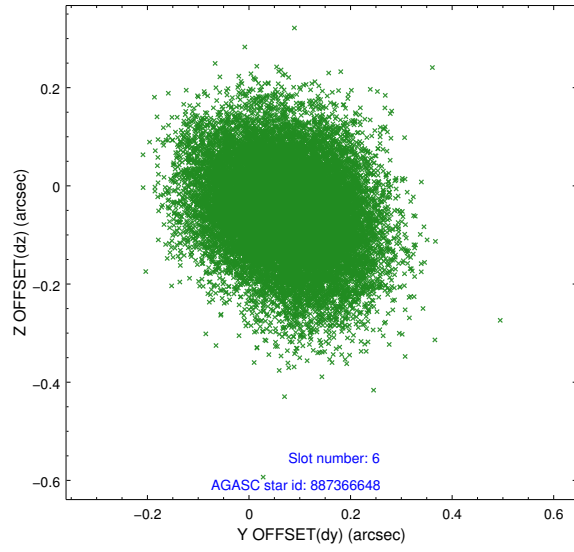
2.4.2 Slot 4



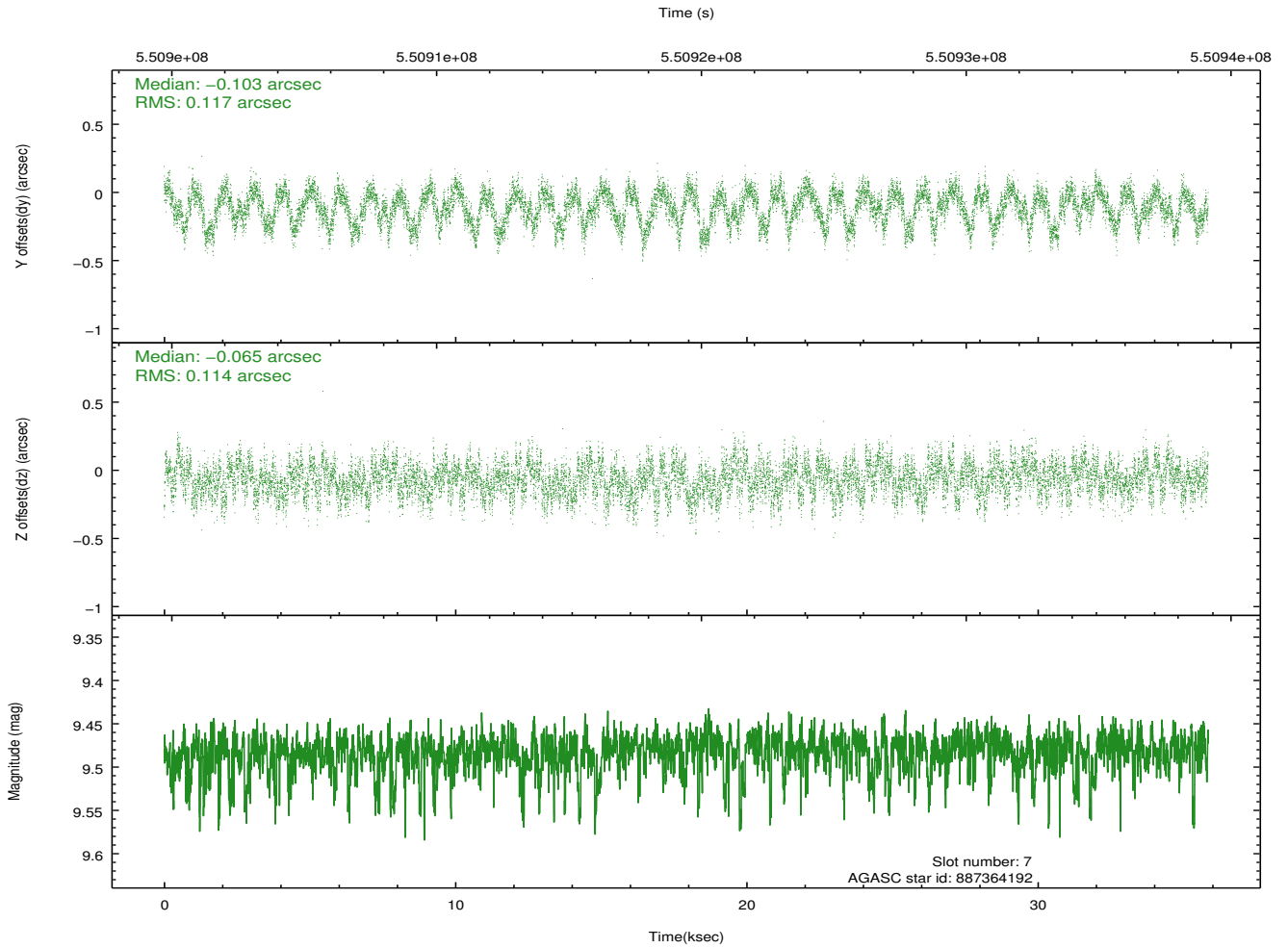
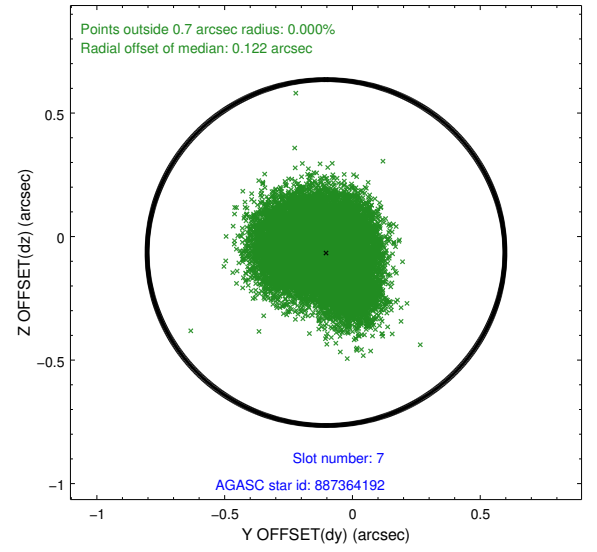
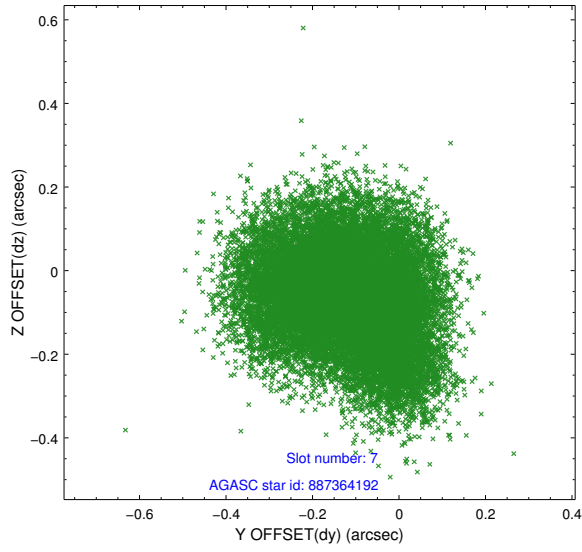
2.4.3 Slot 5



2.4.4 Slot 6

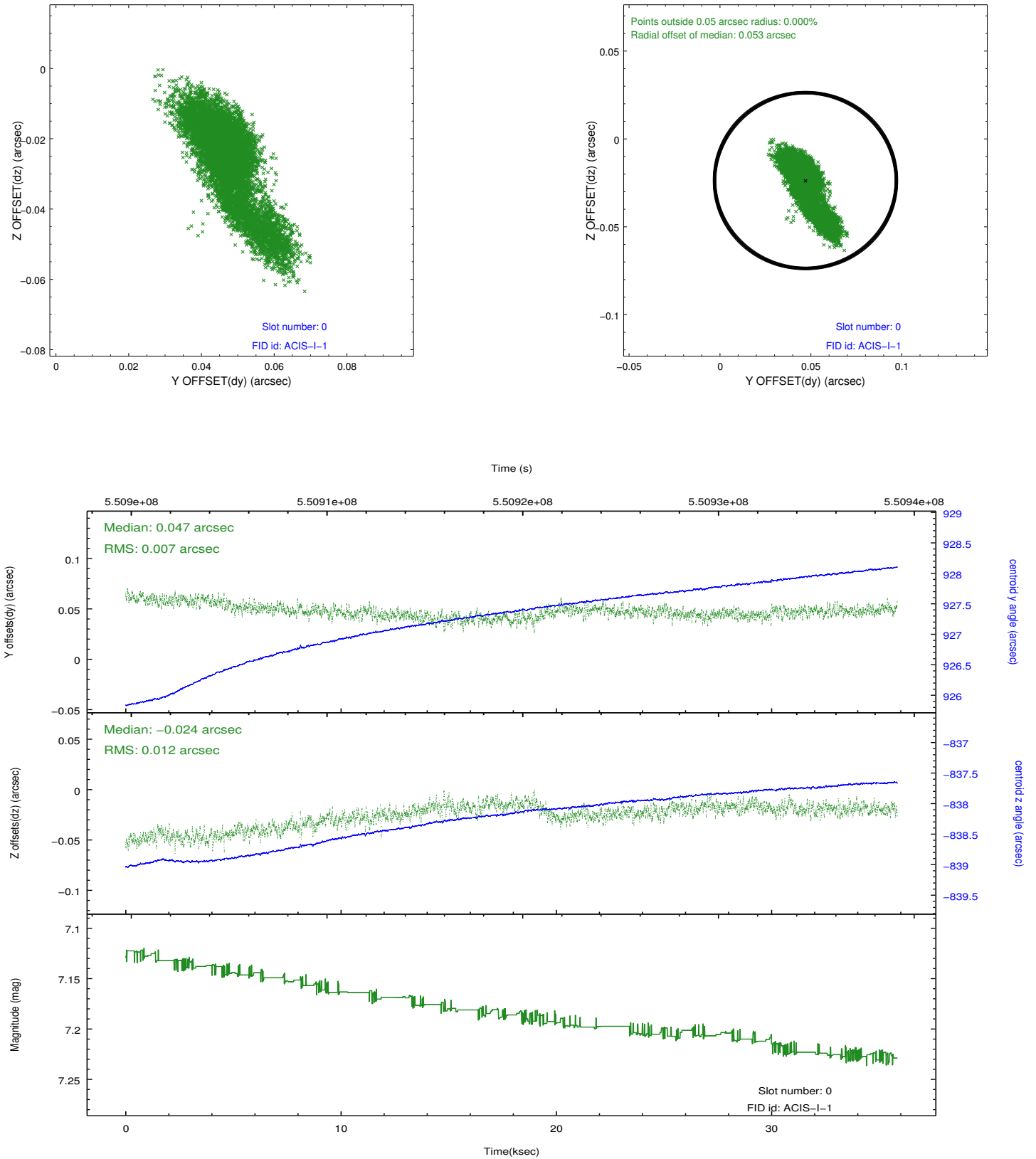


2.4.5 Slot 7

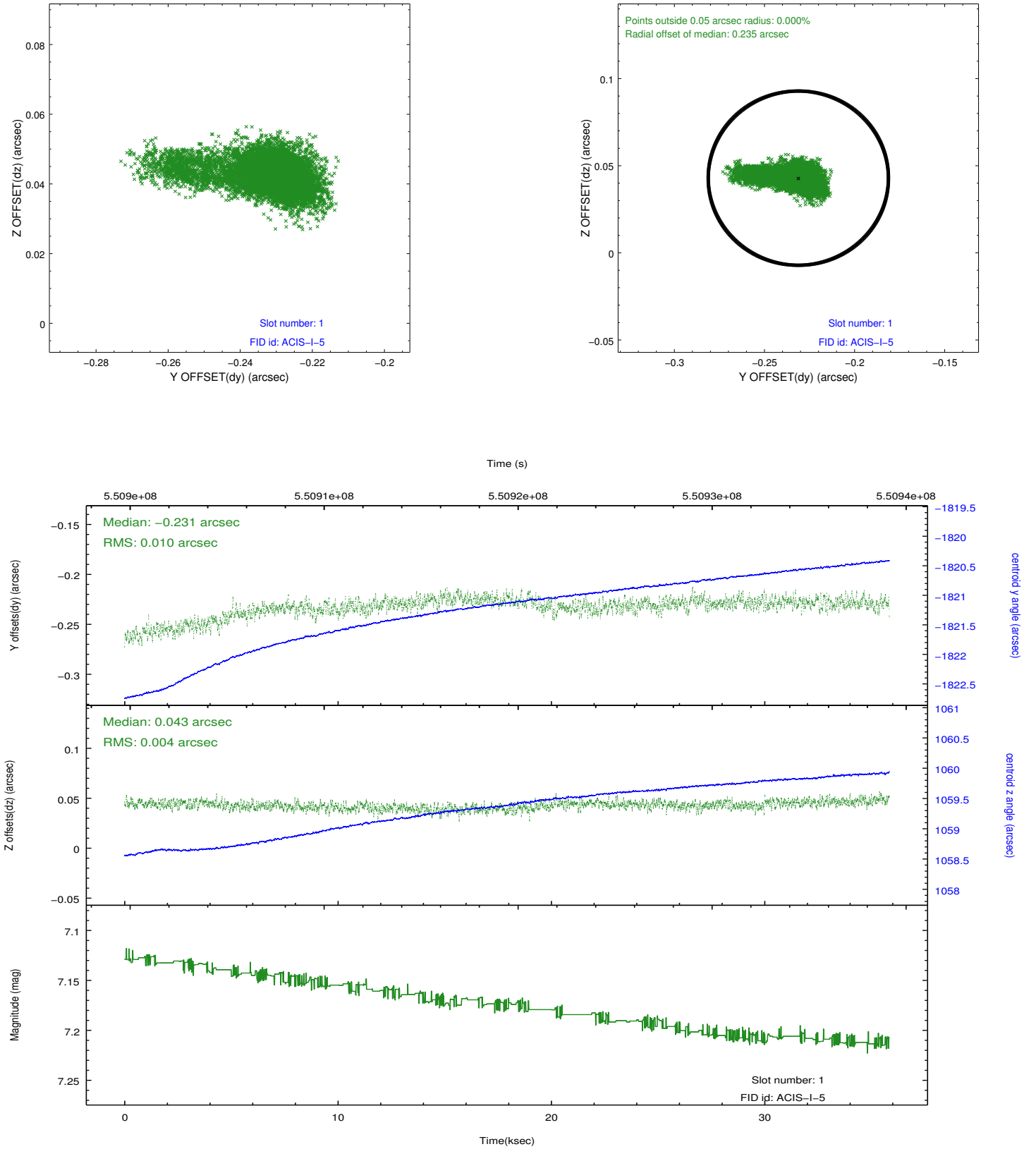


2.5 FID Slots

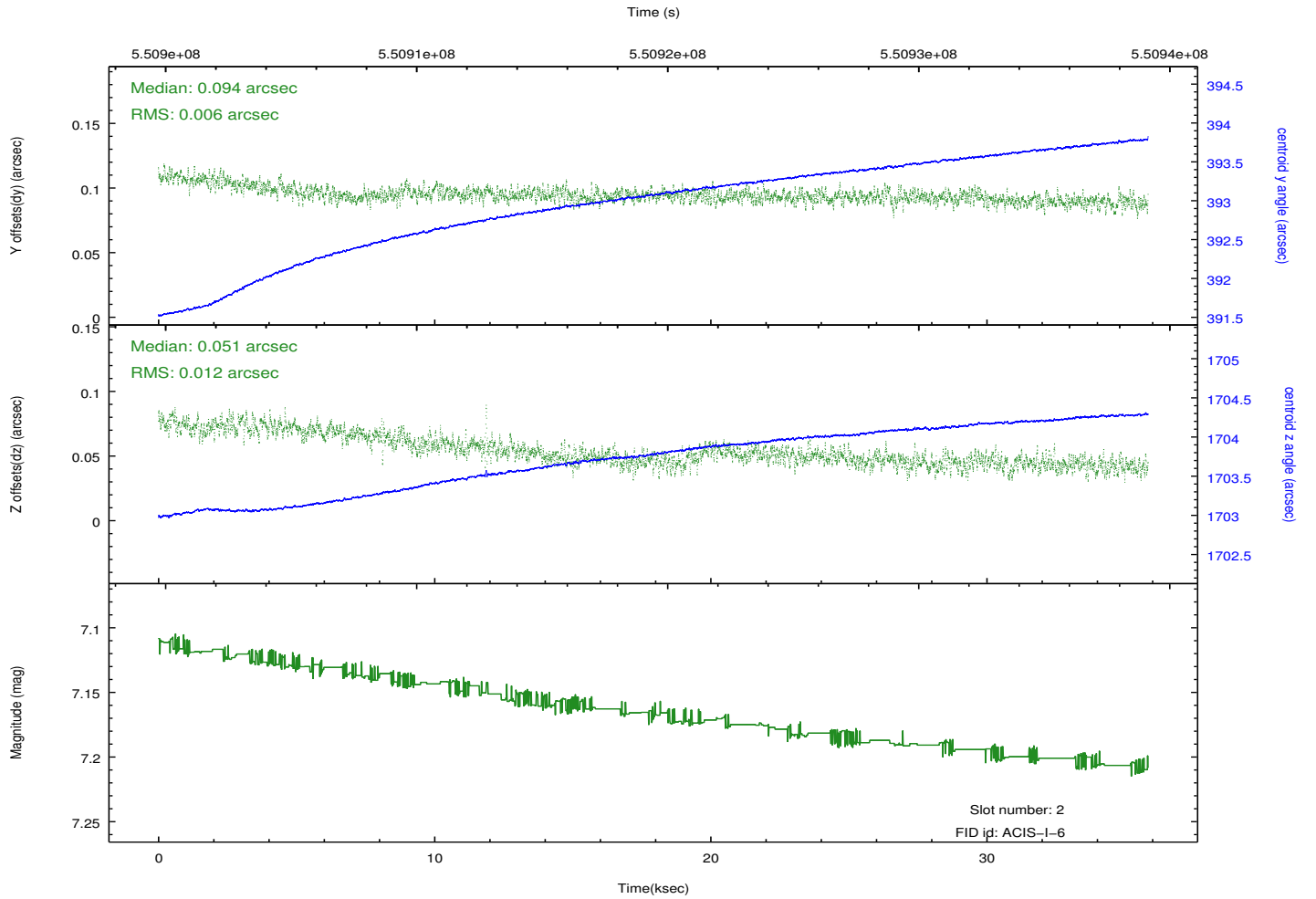
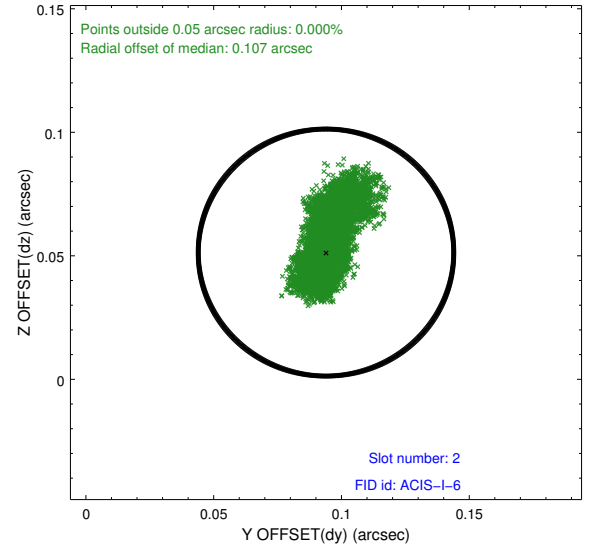
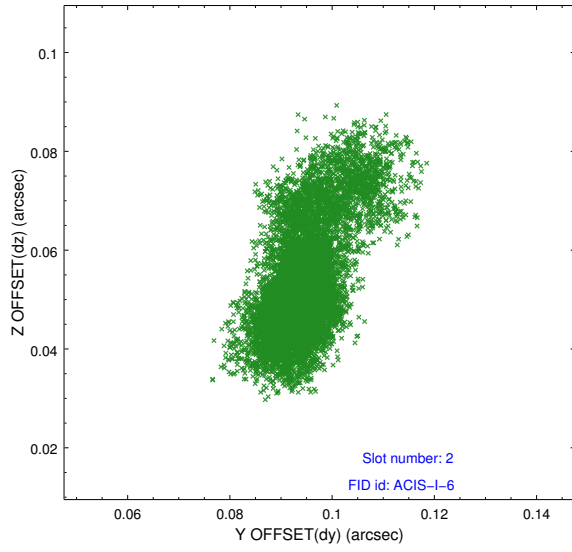
2.5.1 Slot 0



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)	2015.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.057818109035

A.2 Comments