

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13722 - L2 Version 1
Chandra X-Ray Center

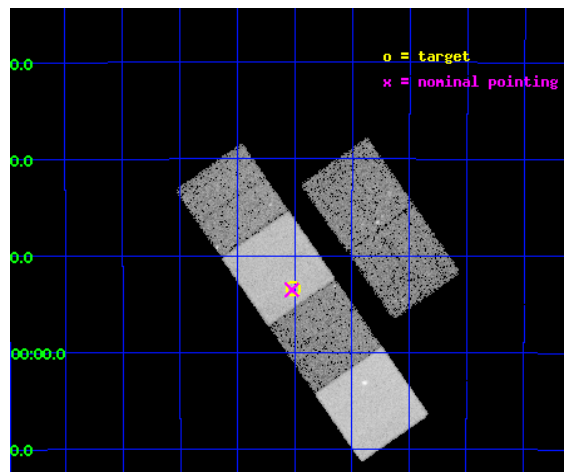
L2 Processing Date : Jul 11 2012

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1 Front

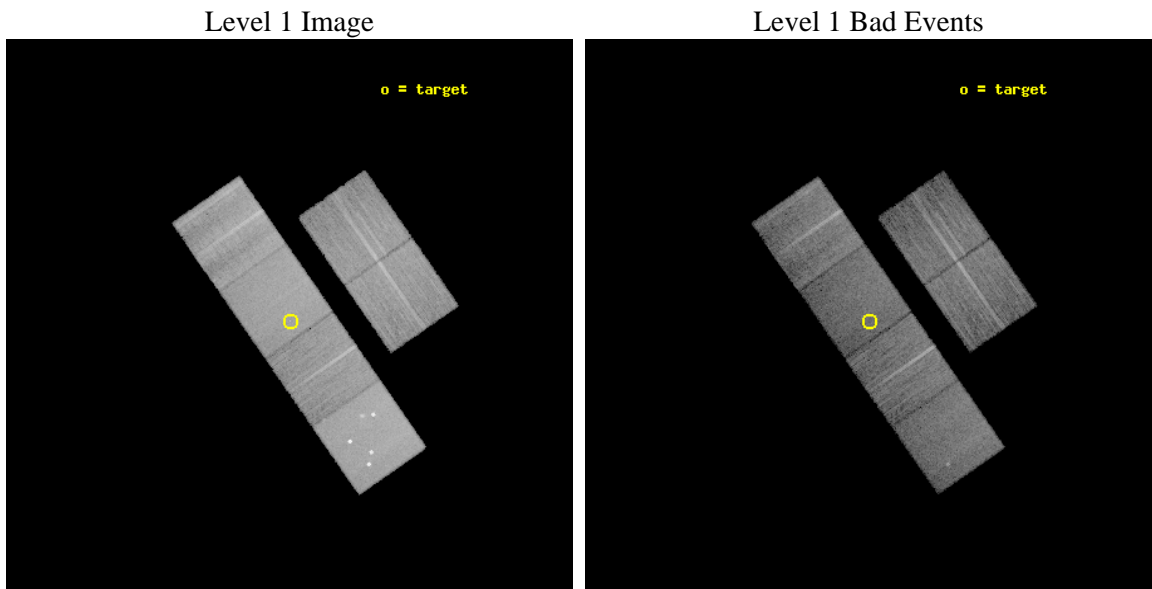
seq_num	401408	Sequence number
obs_id	13722	Observation id
title	Chandra Observations of More New Black Widows and Redbacks in the Galactic Field	Proposal title
observer	Dr. Mallory Roberts	Principal investigator
object	PSR J1124-36	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	171.004583	Observer's specified target RA [deg]
dec_targ	-36.889444	Observer's specified target Dec [deg]
ra_nom	171.00606020052	Nominal RA [deg]
dec_nom	-36.89221845033	Nominal Dec [deg]
roll_nom	235.16361671864	Nominal Roll [deg]
revision	1	Processing version of data
ontime	20207.999924779	Sum of GTIs [s]
livetime	19952.114061935	Livetime [s]
ontime2	20207.999924779	Sum of GTIs [s]
ontime3	20204.716365278	Sum of GTIs [s]
ontime5	20207.999924779	Sum of GTIs [s]
ontime6	20207.998385608	Sum of GTIs [s]
ontime7	20207.999924779	Sum of GTIs [s]
ontime8	20207.916305602	Sum of GTIs [s]
l2events	196262	Number of level 2 events



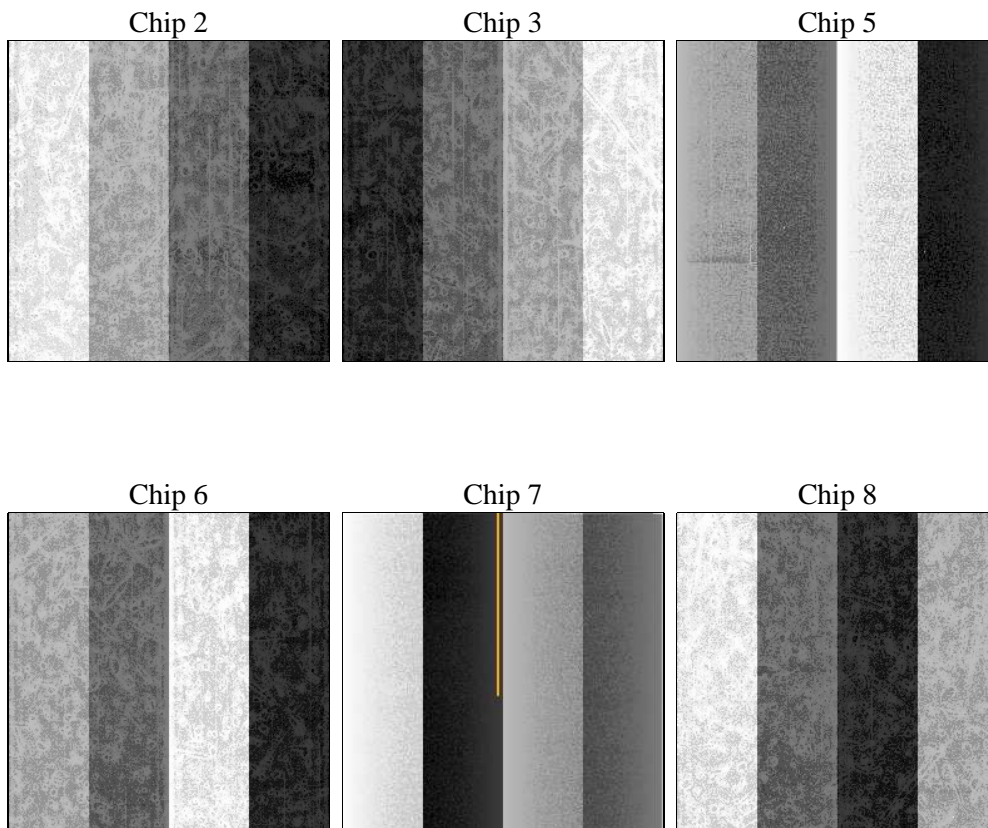
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20245.147000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20207.999924779	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	20207.999924779	Sum of GTIs [s]
date	2012-07-11T06:56:48	Date and time of file creation	ontime3	20204.716365278	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	20207.999924779	Sum of GTIs [s]
			ontime6	20207.998385608	Sum of GTIs [s]
			ontime7	20207.999924779	Sum of GTIs [s]
			ontime8	20207.916305602	Sum of GTIs [s]
			l1events	826976	Number of level 1 events

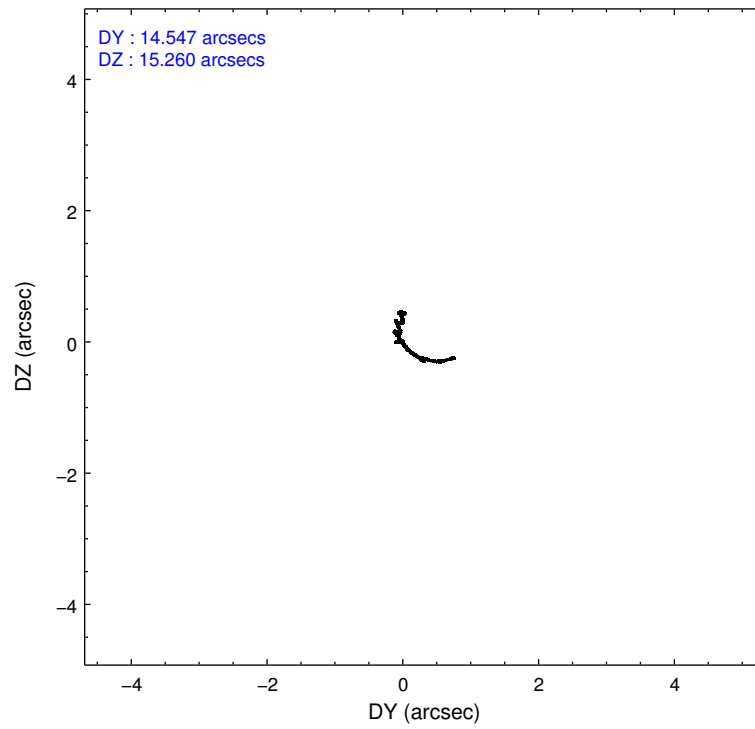
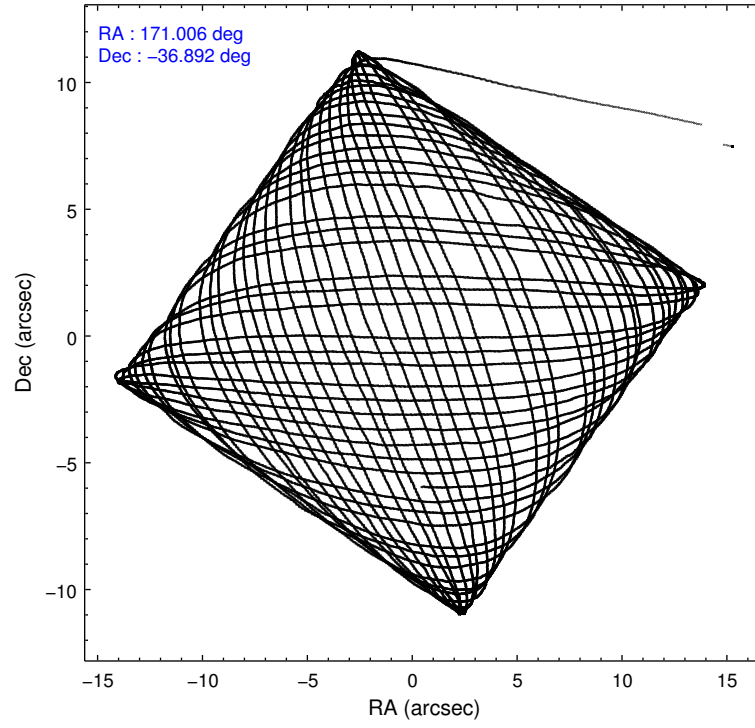
2.1.4 Events

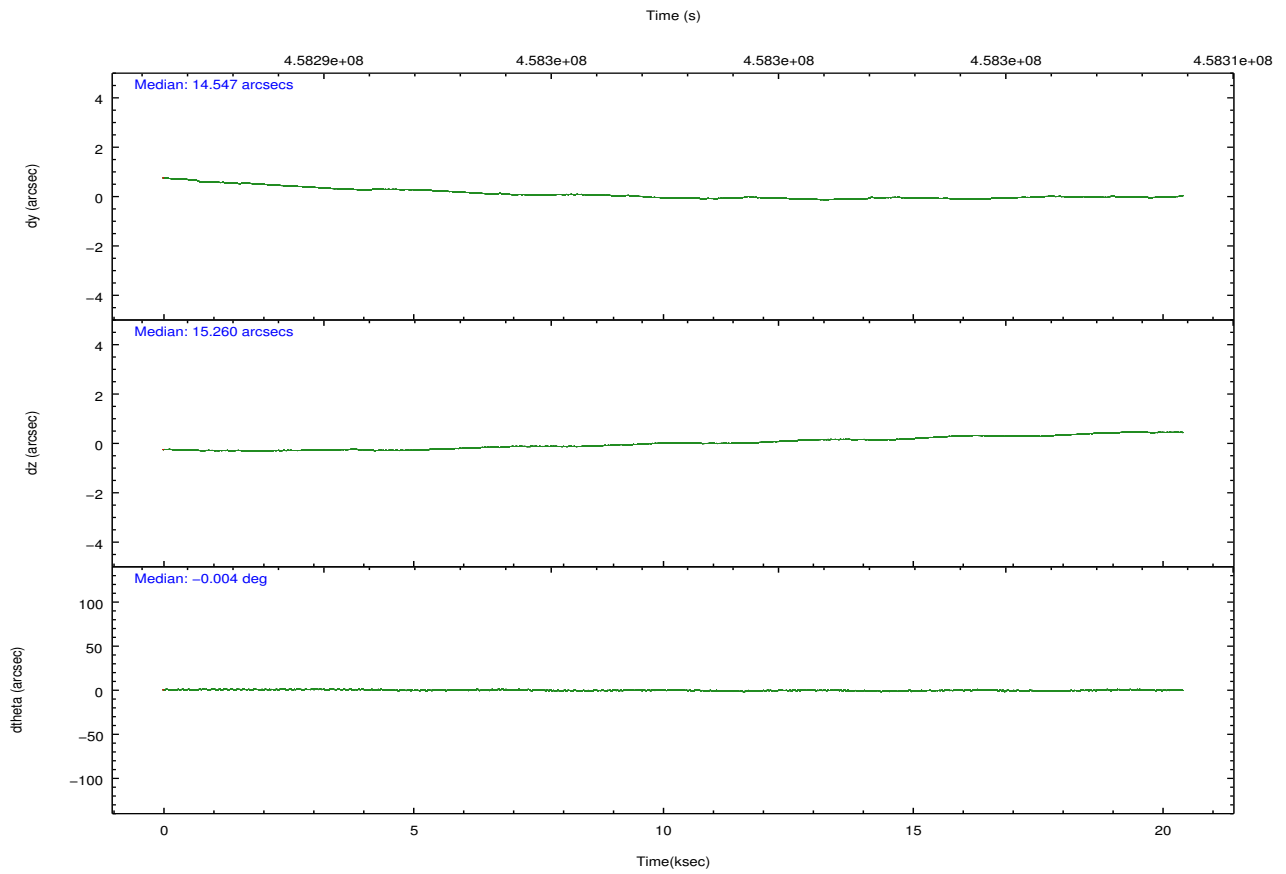
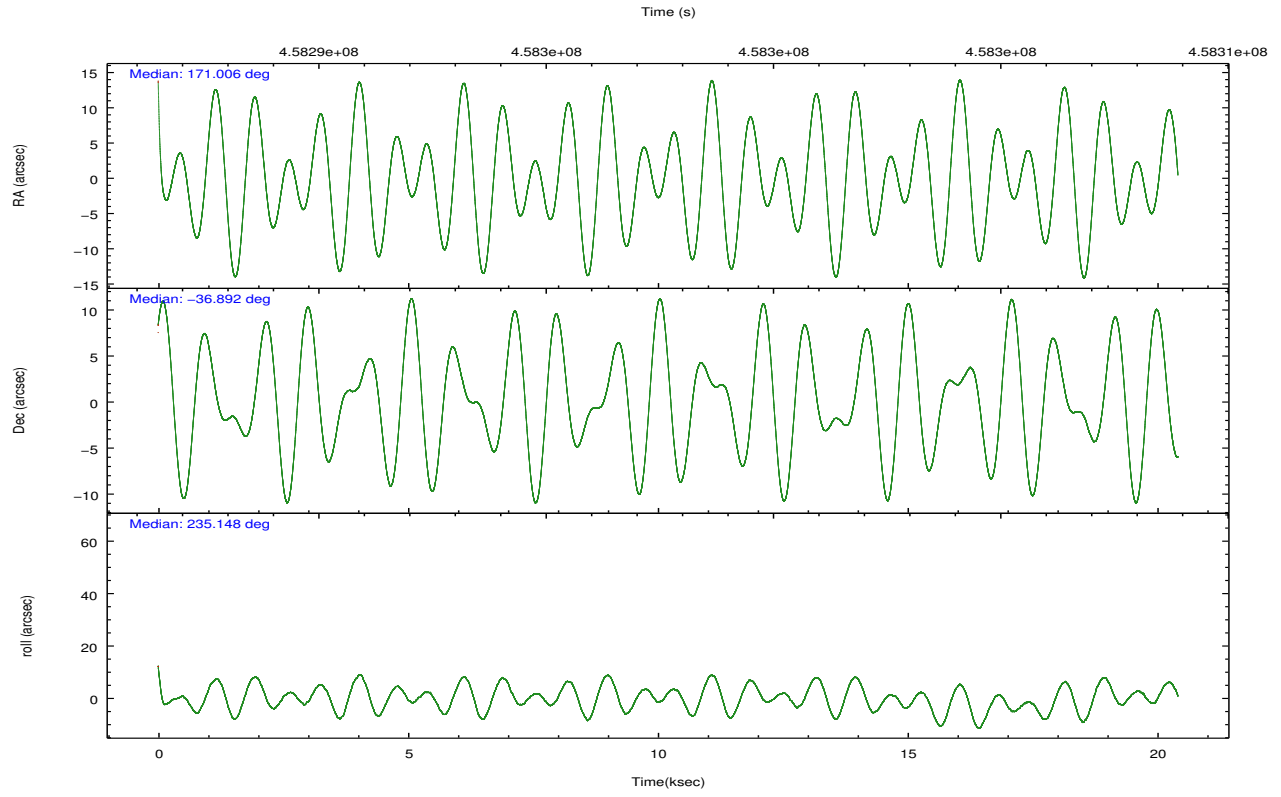
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	115884	108383	193103	111509	147478	150619	grade 0 events	4630	4630	19229	4813	5962	13227
rejected events	102911	96038	92714	97901	81750	106770		3%	4%	9%	4%	4%	8%
rejected %	88%	88%	48%	87%	55%	70%	grade 1 events	69	57	618	47	173	124
								0%	0%	0%	0%	0%	0%
							grade 2 events	3177	2731	27274	3008	13518	9703
								2%	2%	14%	2%	9%	6%
							grade 3 events	1286	1242	3436	1369	5664	5109
								1%	1%	1%	1%	3%	3%
							grade 4 events	1342	1287	3209	1400	5600	4671
								1%	1%	1%	1%	3%	3%
							grade 5 events	4802	5463	13719	5544	15231	8210
								4%	5%	7%	4%	10%	5%
							grade 6 events	2541	2456	47274	3026	34999	11143
								2%	2%	24%	2%	23%	7%
							grade 7 events	98037	90517	78344	92302	66331	98432
								84%	83%	40%	82%	44%	65%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	171.008464	171.0060602005169	CCD I2 on	O4	Y
[deg] Pointing Dec	-36.864961	-36.8922184503304	CCD I3 on	O5	Y
[deg] Pointing Roll	235.008432	235.1636167186387	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O3	Y
[s] Observation start time (MET)	458287641.184000	458286533.26896	CCD S5 on	N	N
Observation start date	2012-07-10T06:06:14	2012-07-10T05:48:53	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	458307887.184000	458308115.67012	On-chip summing requested	N	N
Observation end date	2012-07-10T11:43:40	2012-07-10T11:48:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



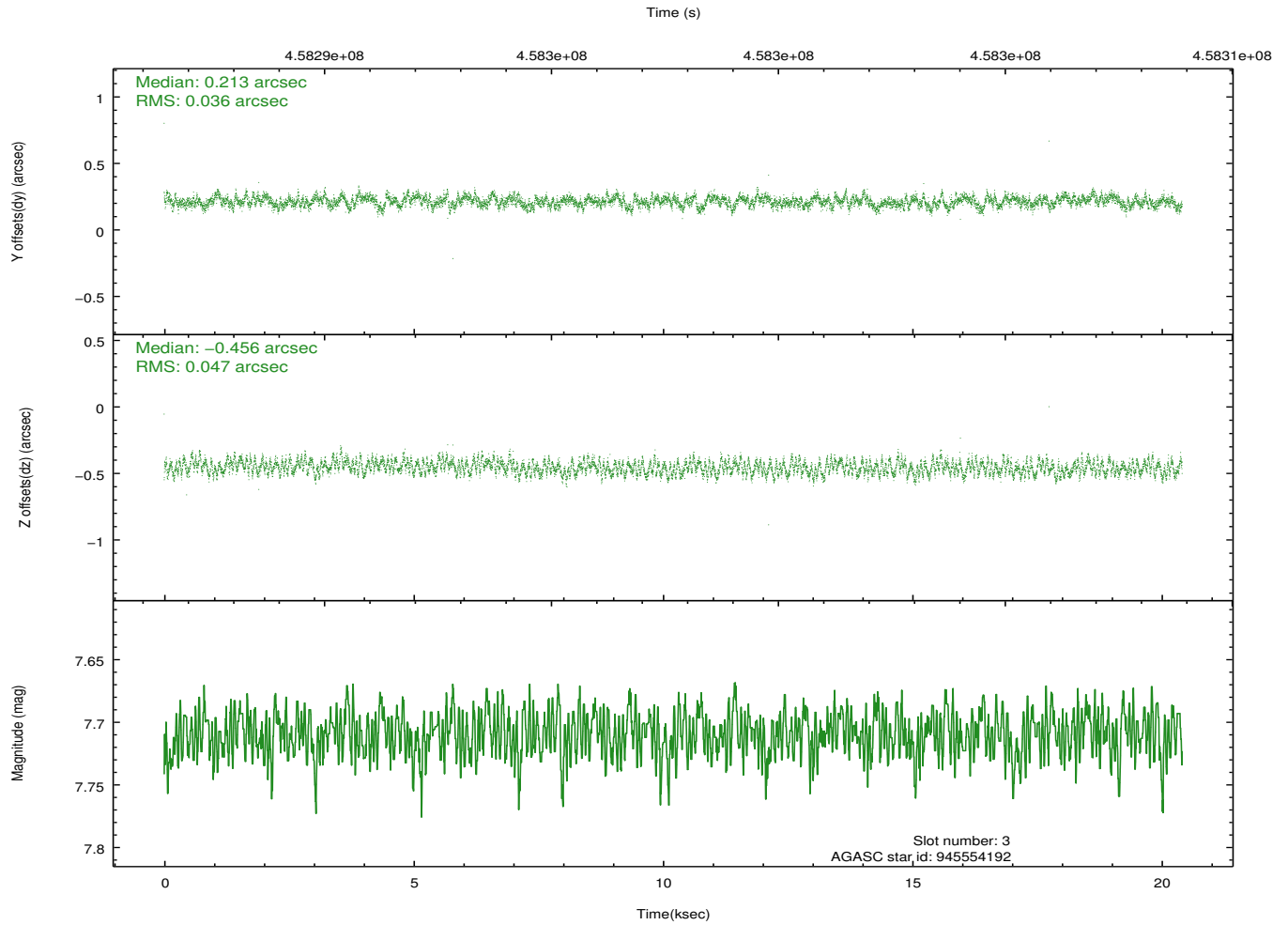
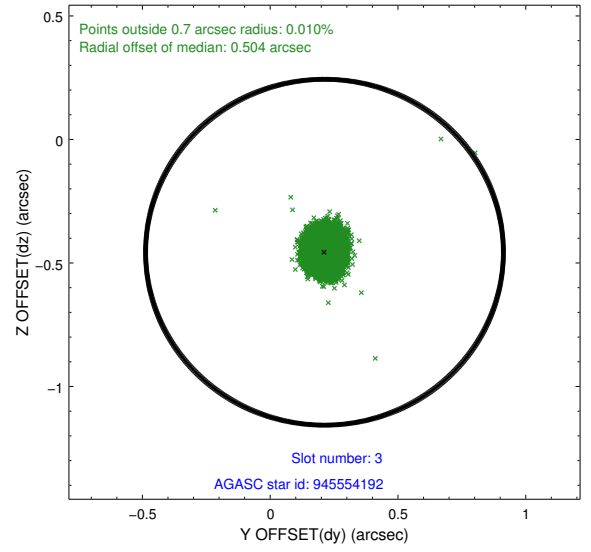
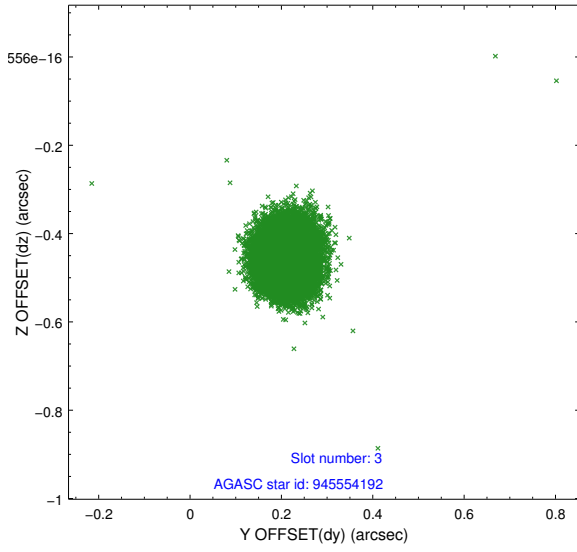


Slot Statistics

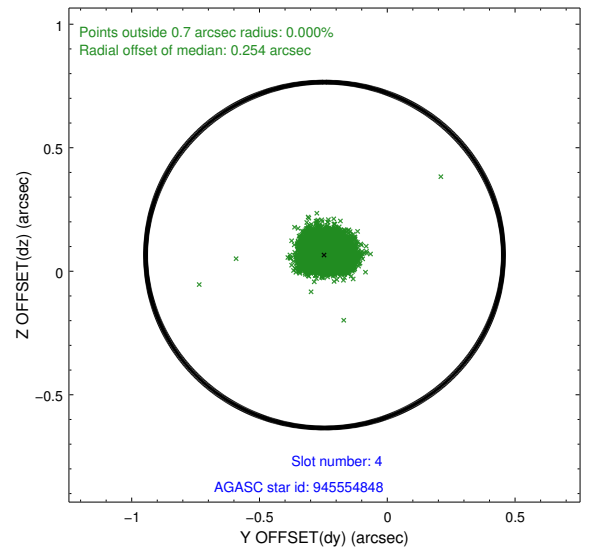
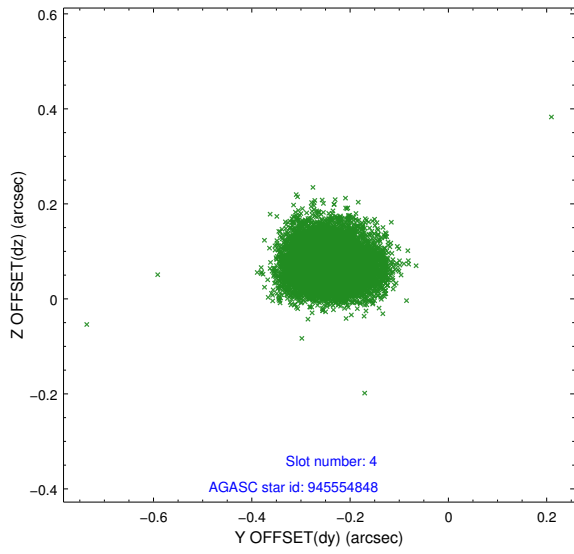
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	4980	-0.123	-0.030	0.011	0.016	0.000000	0.000000	-767.73	-1736.69
1	FID	ACIS-S-4	7.05	4980	0.285	0.068	0.008	0.014	0.000000	0.000000	2145.86	171.71
2	FID	ACIS-S-5	7.08	4980	-0.195	-0.029	0.013	0.025	0.000000	0.000000	-1820.42	165.48
3	GUIDE	945554192	7.71	9959	0.213	-0.456	0.063	0.097	170.701134	-36.242454	-1322.05	-2015.83
4	GUIDE	945554848	7.43	9957	-0.246	0.066	0.063	0.105	170.948032	-36.089211	-2186.70	-1745.93
5	GUIDE	945564368	9.17	9941	-0.069	0.003	0.100	0.160	170.536221	-36.899275	884.35	-1042.24
6	GUIDE	947260528	6.28	9959	-0.086	0.161	0.068	0.126	171.634534	-36.883327	-974.69	1518.13
7	GUIDE	947266240	9.31	9943	0.187	0.232	0.109	0.174	171.460658	-36.903847	-628.67	1147.98

2.4 Star Slots

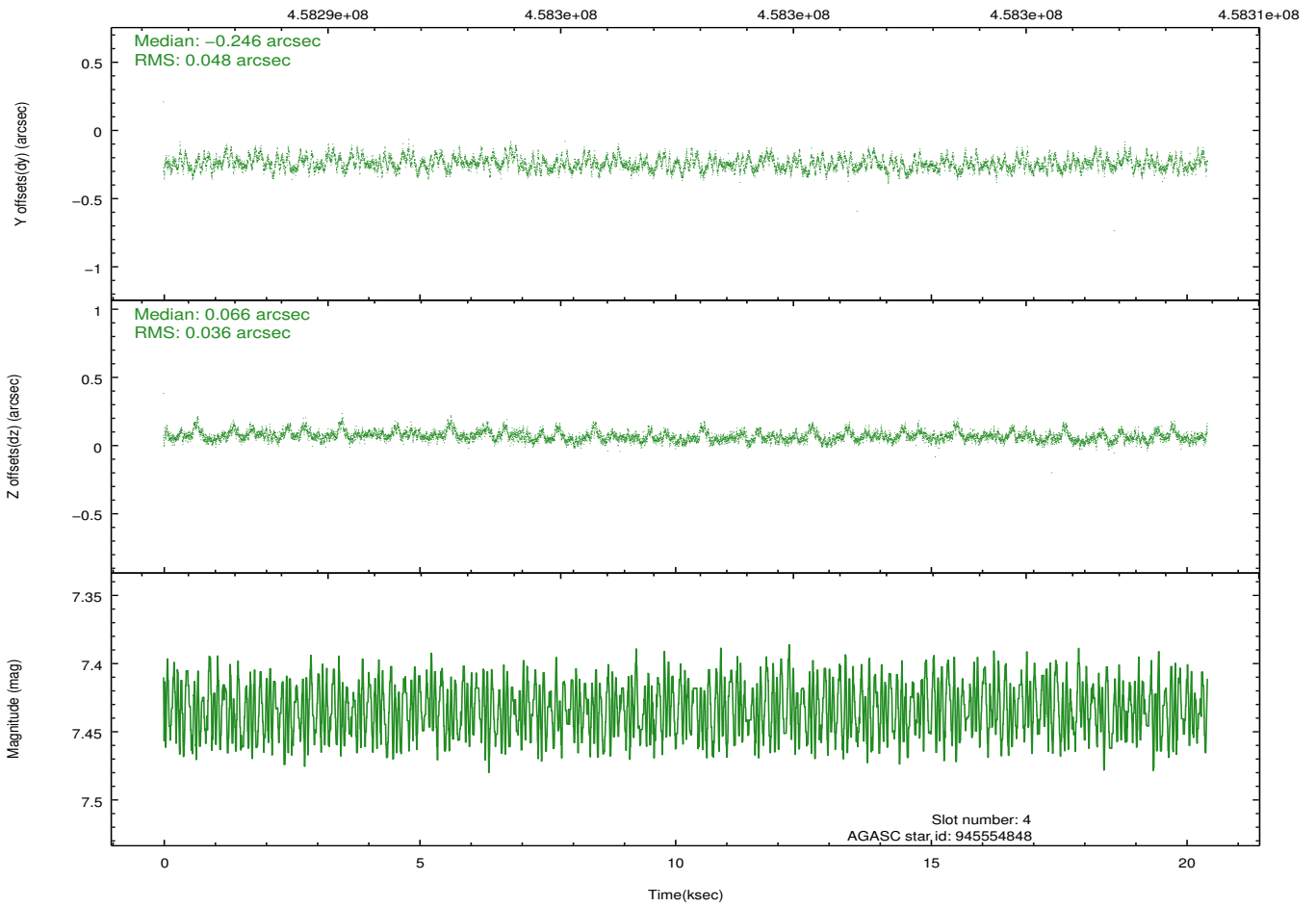
2.4.1 Slot 3



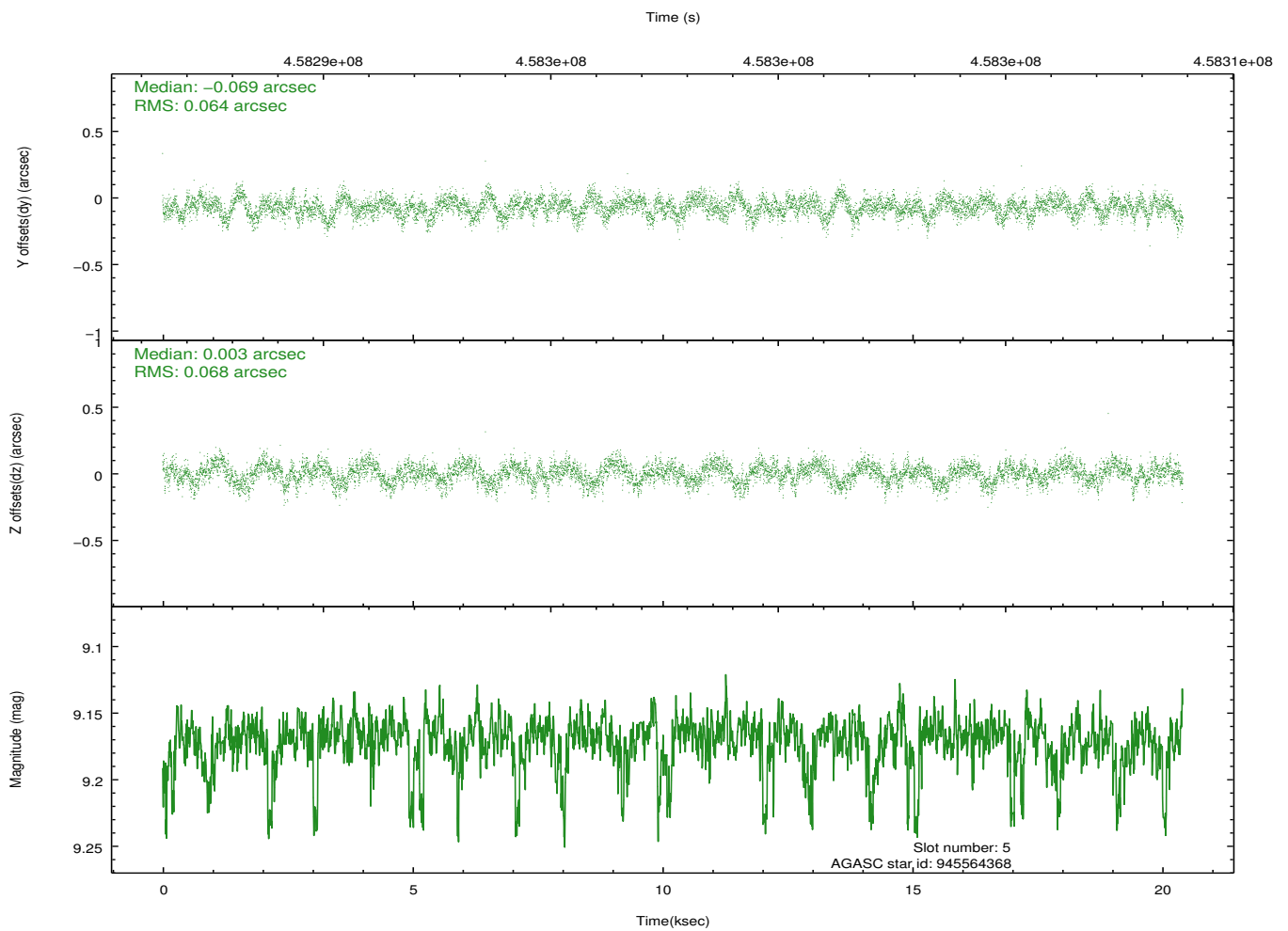
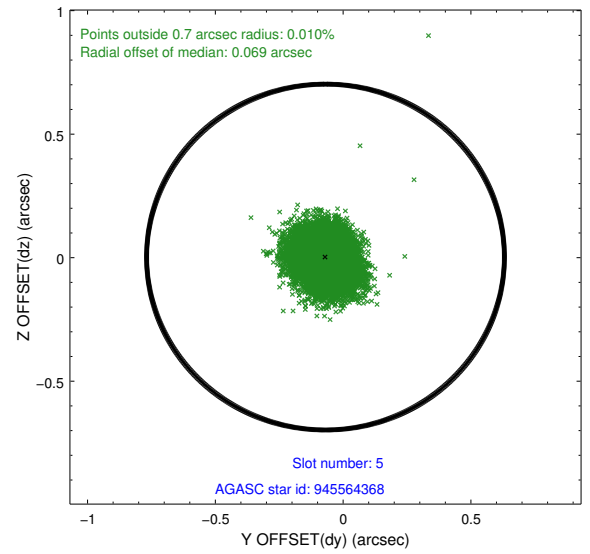
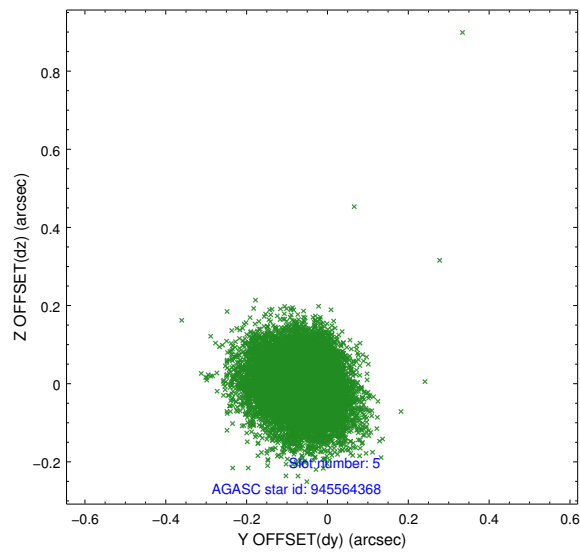
2.4.2 Slot 4



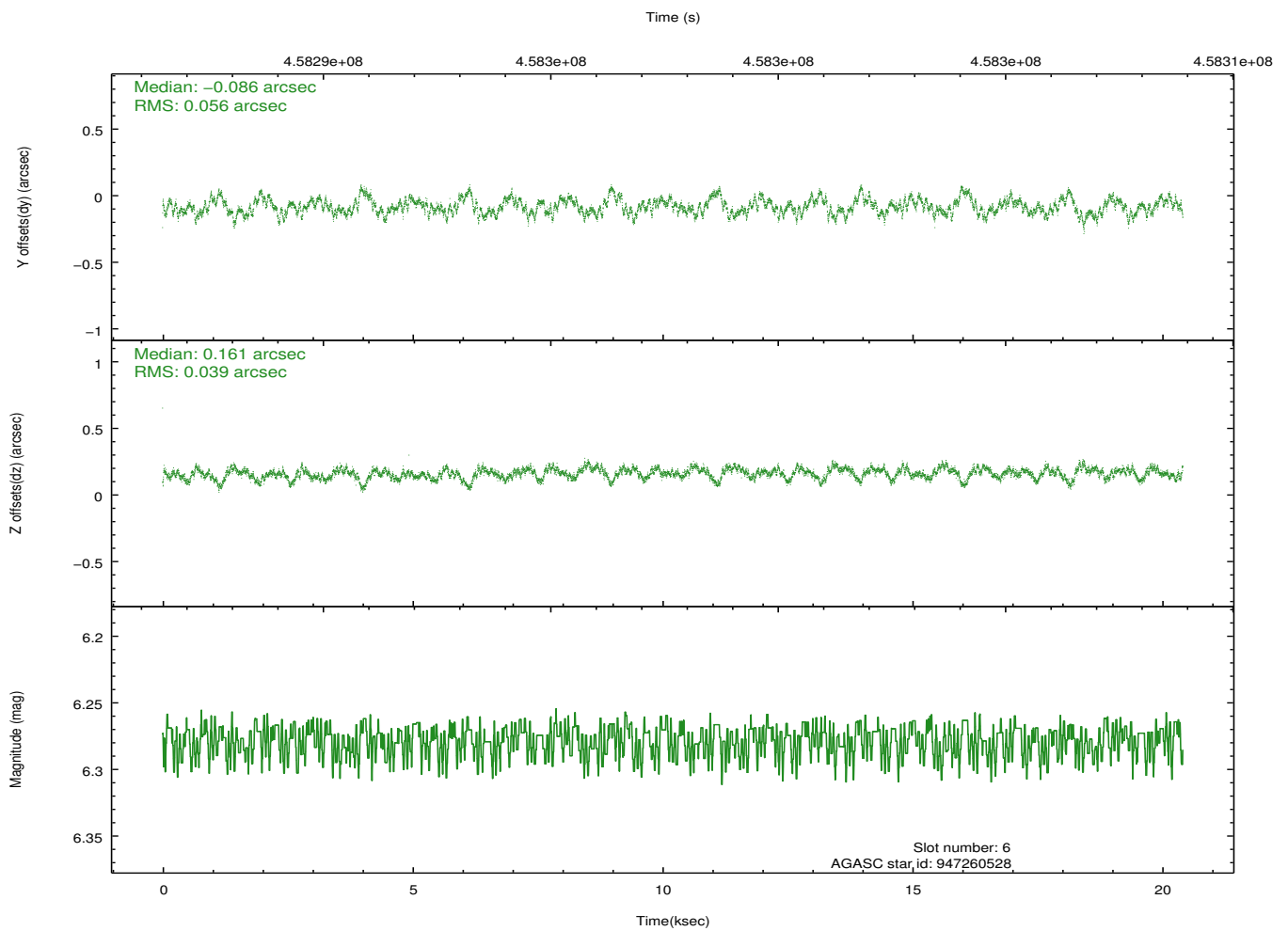
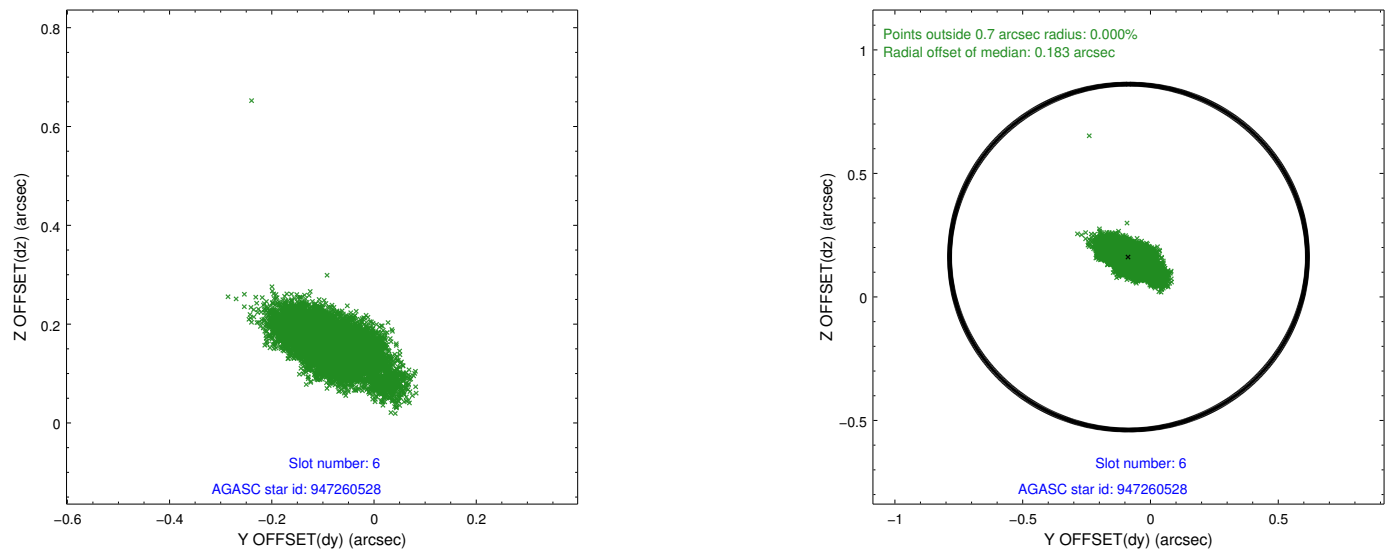
Time (s)



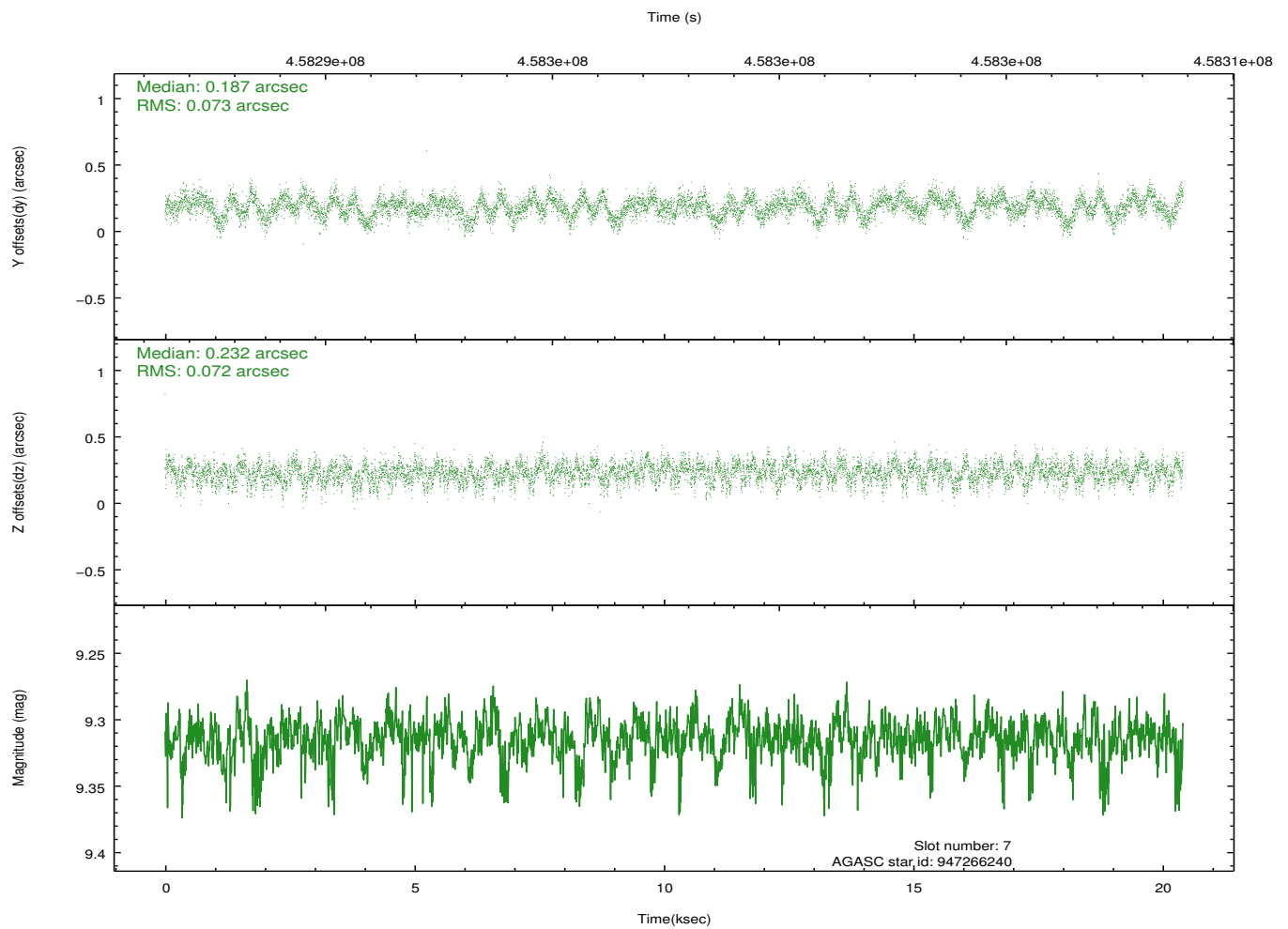
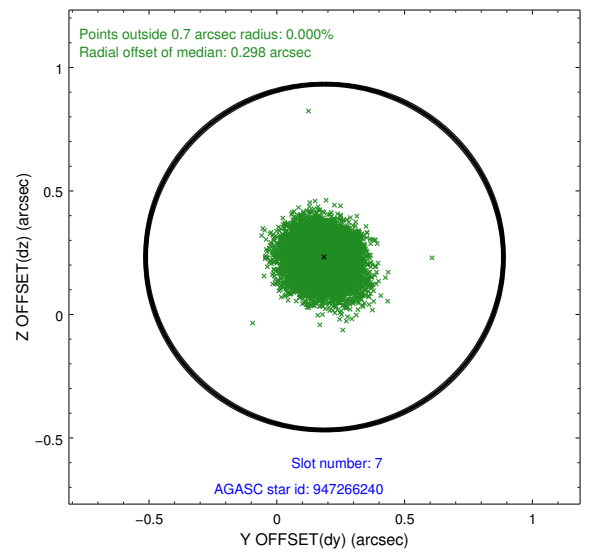
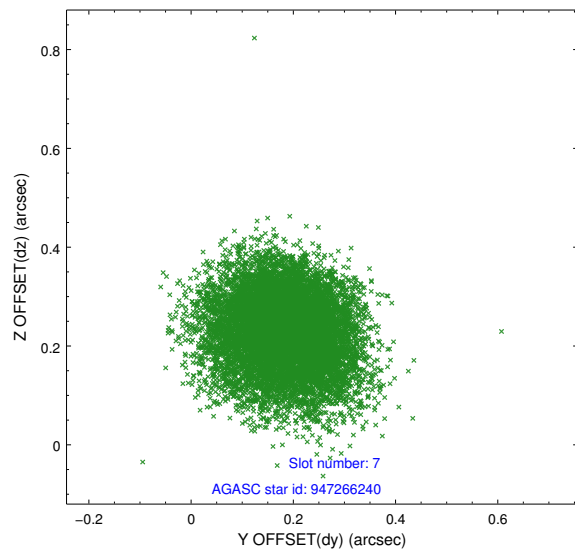
2.4.3 Slot 5



2.4.4 Slot 6

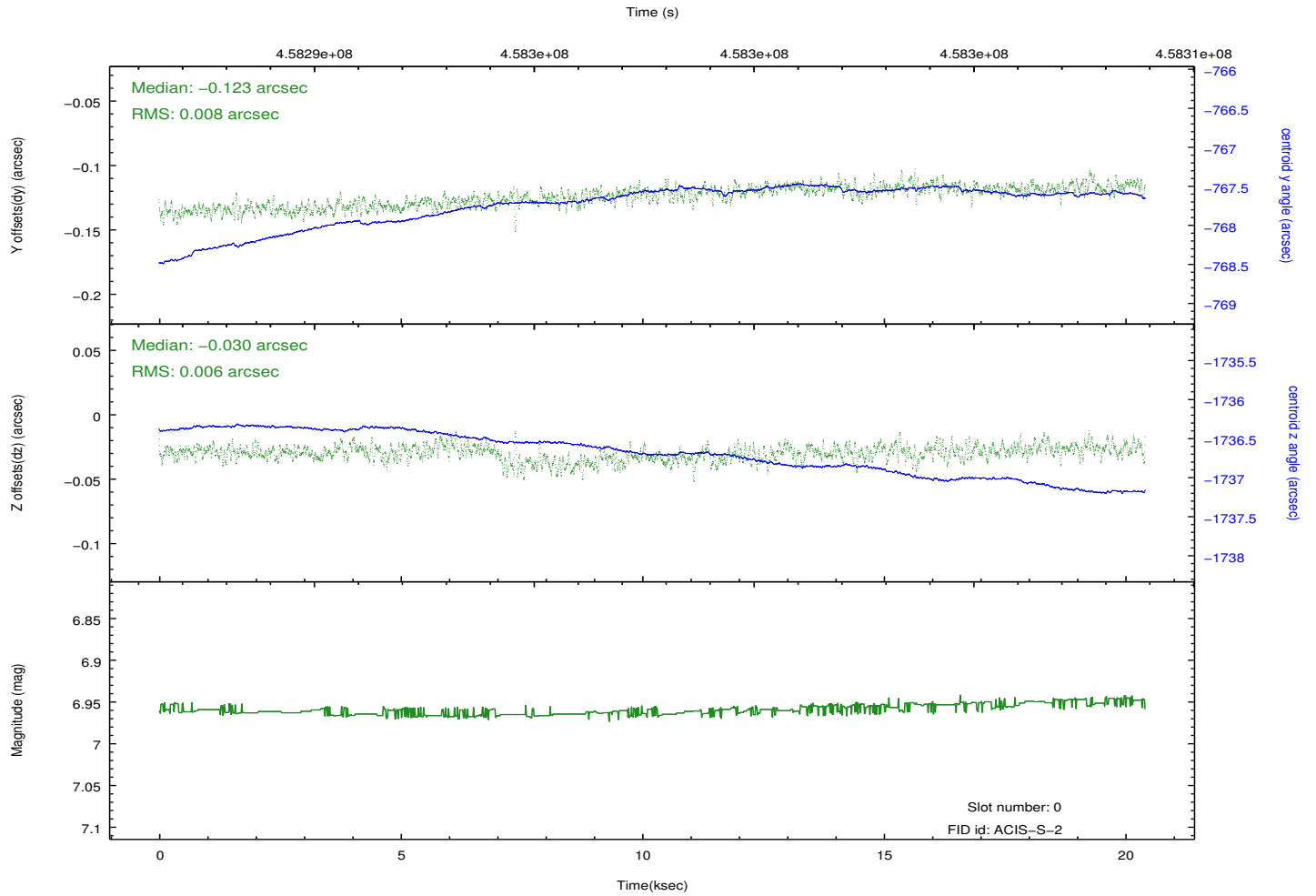
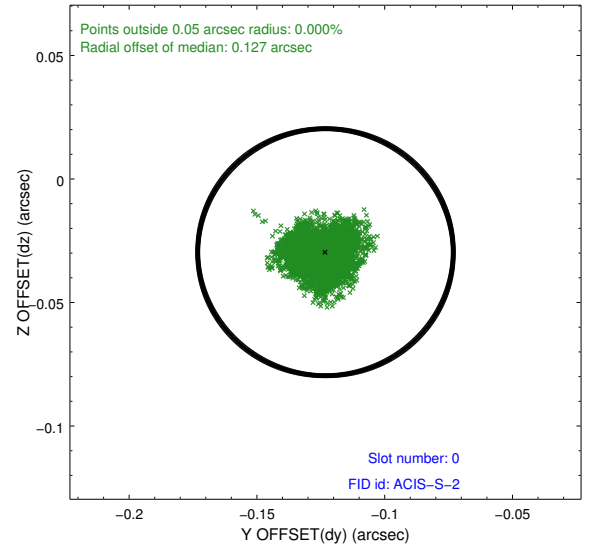
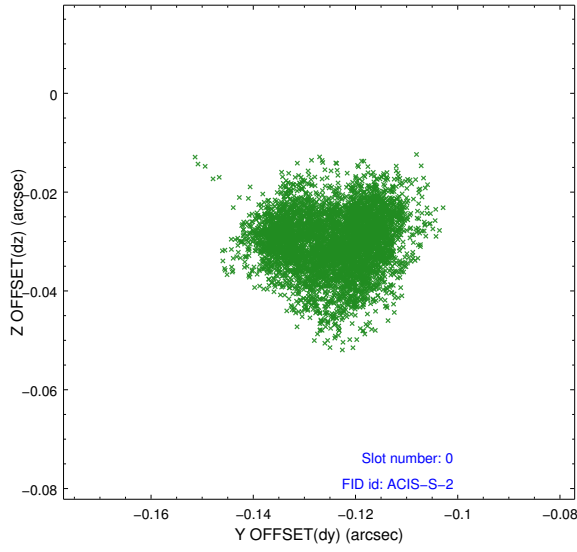


2.4.5 Slot 7

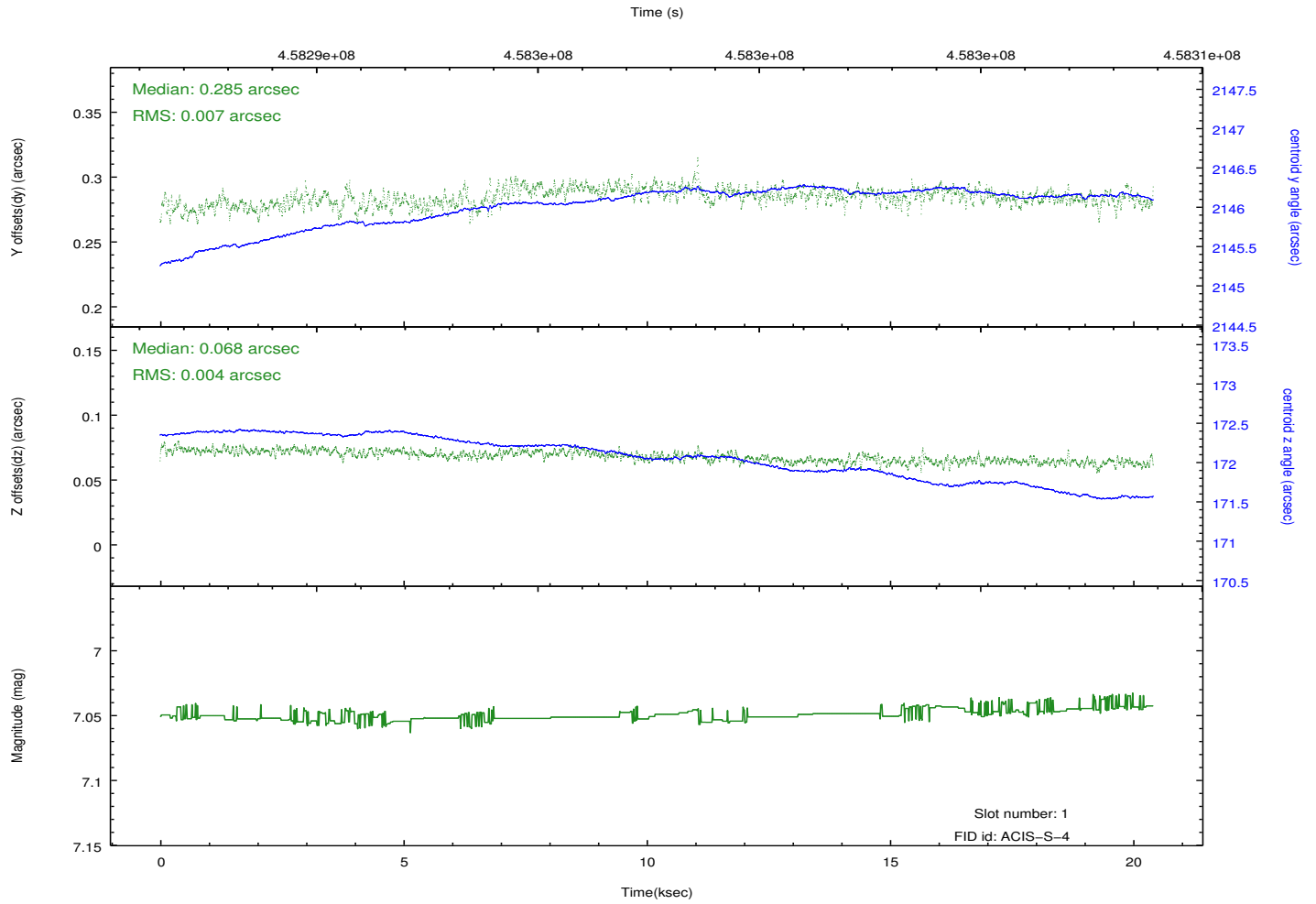
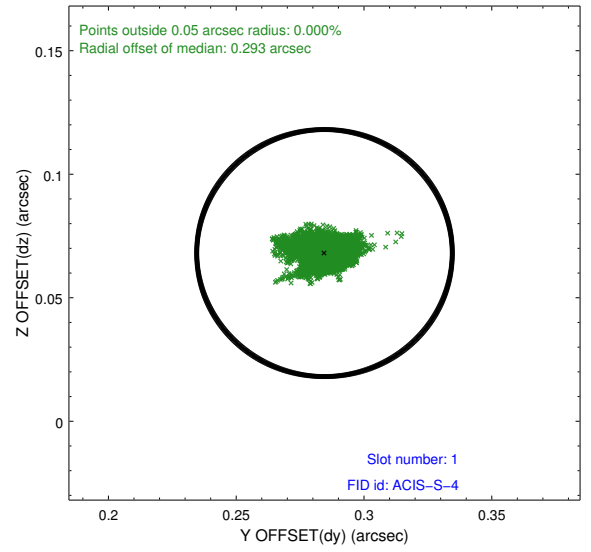
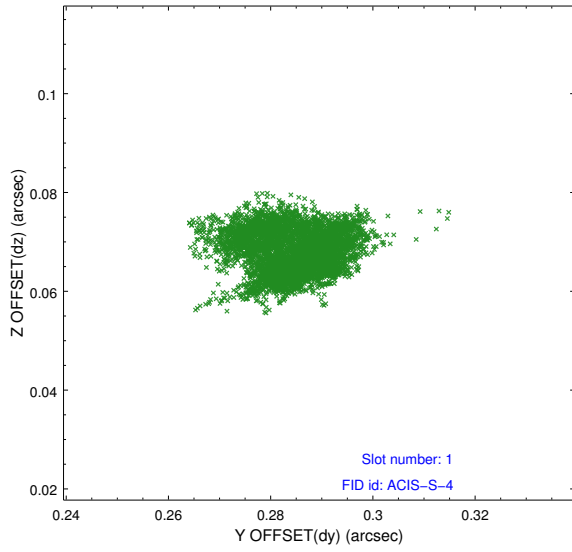


2.5 FID Slots

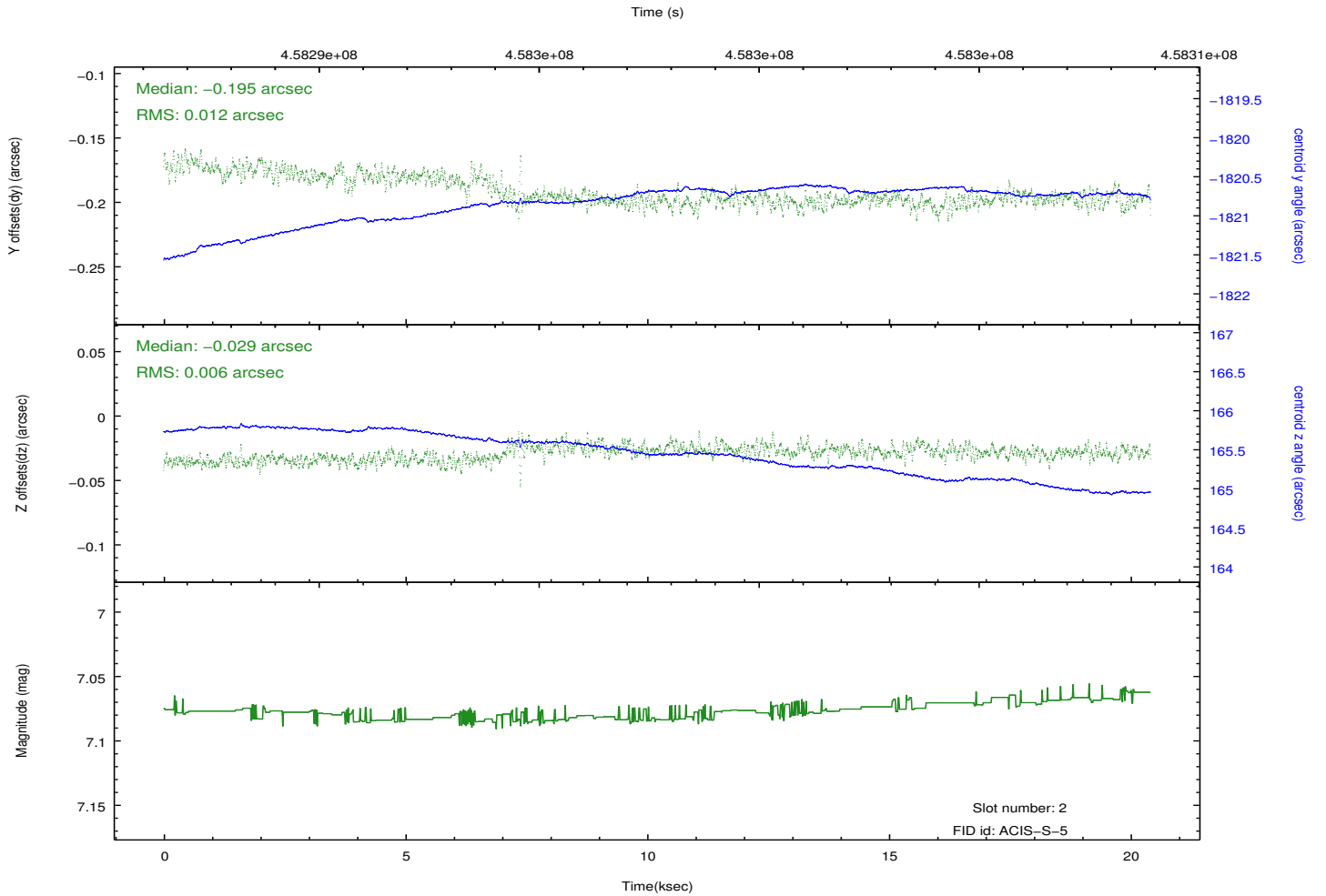
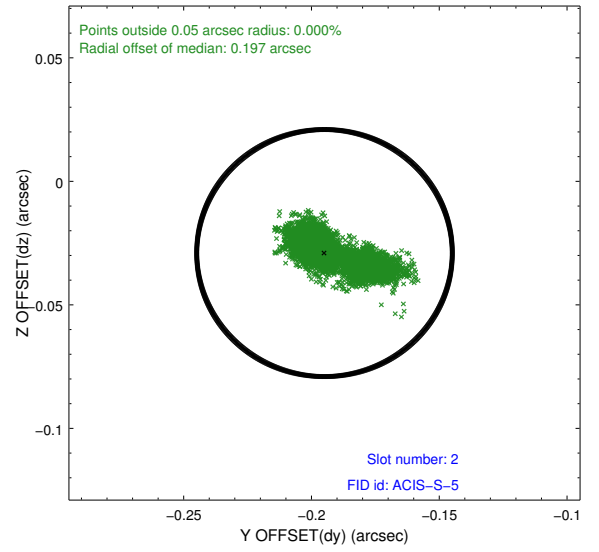
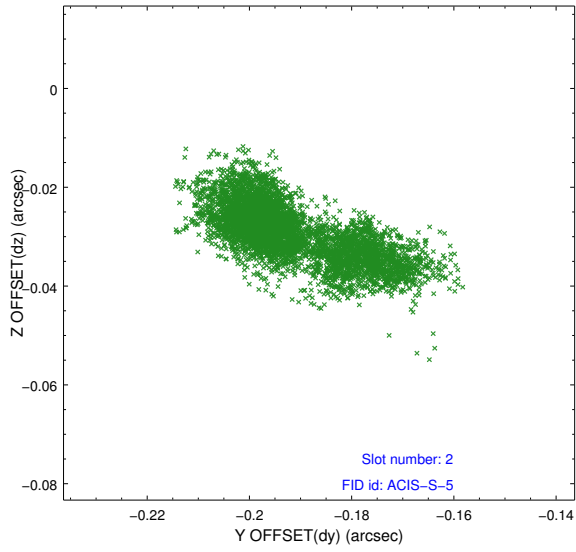
2.5.1 Slot 0



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)	2012.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.207999924779

A.2 Comments