

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13770 - L2 Version 1
Chandra X-Ray Center

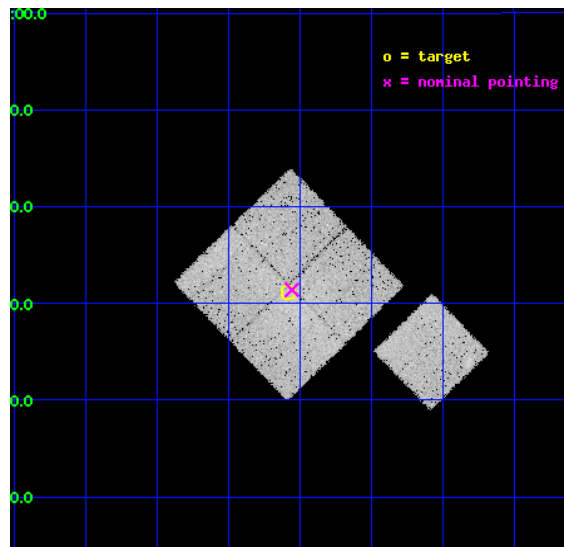
L2 Processing Date : Jun 10 2012

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1 Front

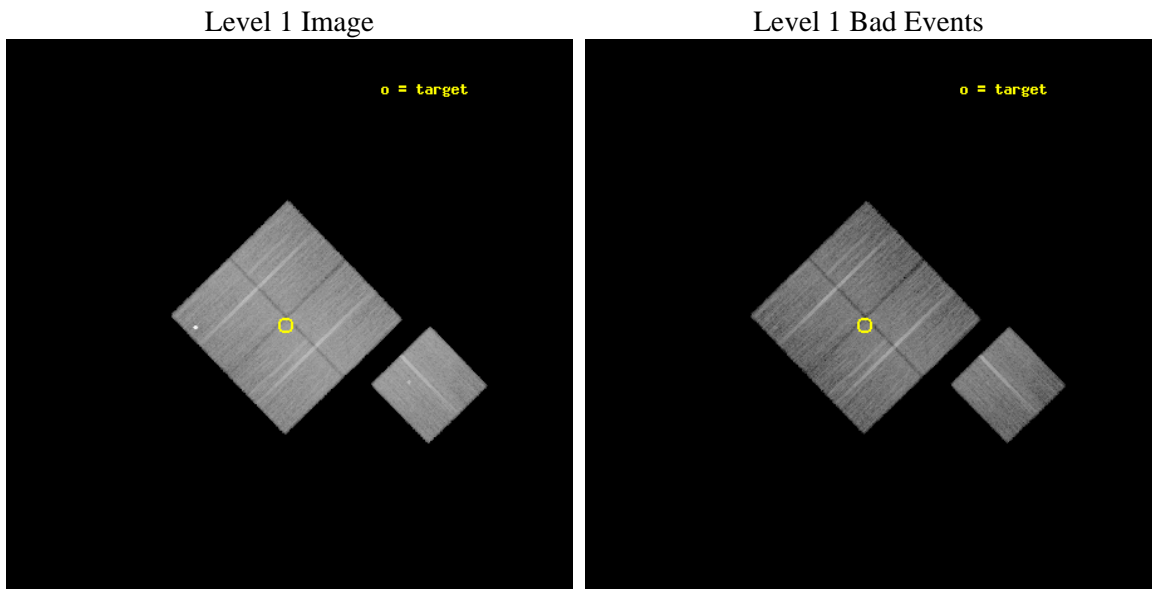
seq_num	501602	Sequence number
obs_id	13770	Observation id
title	Identification campaign of supernova remnant candidates in the Milky Way	Proposal title
observer	Dr. Regina H. H. Huang	Principal investigator
object	G38.7-1.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	286.770833	Observer's specified target RA [deg]
dec_targ	4.519722	Observer's specified target Dec [deg]
ra_nom	286.76359821664	Nominal RA [deg]
dec_nom	4.5233714059808	Nominal Dec [deg]
roll_nom	135.8584313722	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28681.200220585	Sum of GTIs [s]
livetime	28306.459224911	Livetime [s]
ontime0	28681.200220585	Sum of GTIs [s]
ontime1	28678.059180319	Sum of GTIs [s]
ontime2	28681.200220585	Sum of GTIs [s]
ontime3	28681.200220585	Sum of GTIs [s]
ontime6	28681.200220585	Sum of GTIs [s]
l2events	85899	Number of level 2 events



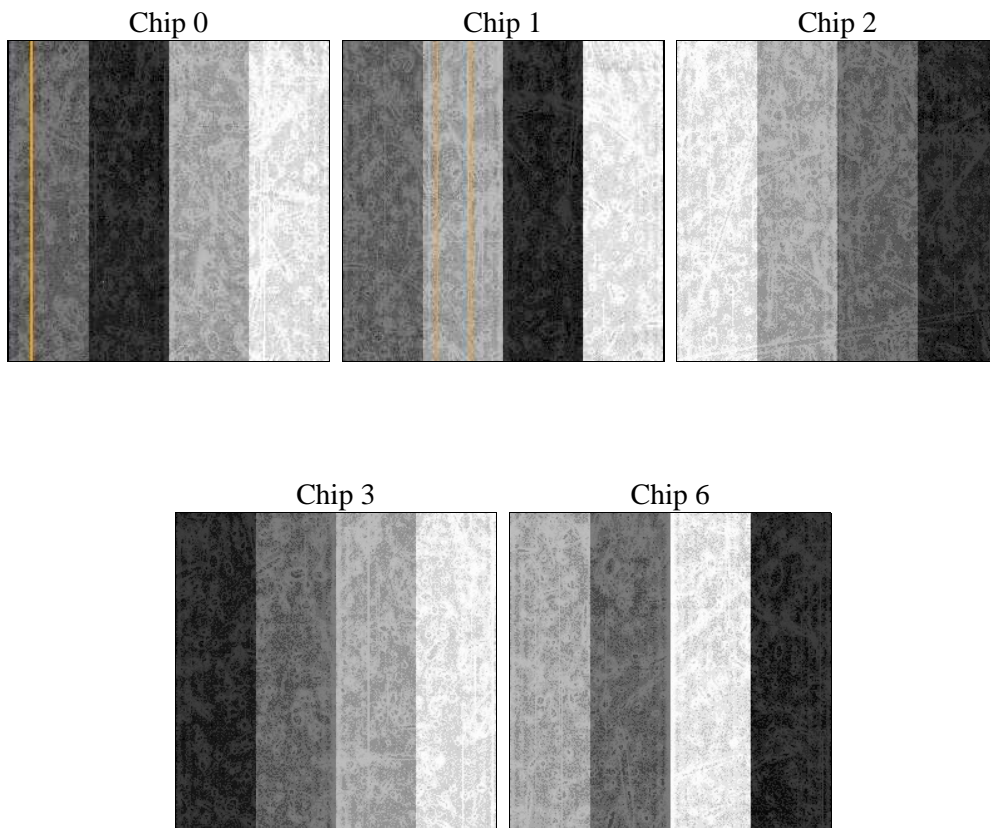
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	28600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	28681.200220585	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	28681.200220585	Sum of GTIs [s]
date	2012-06-10T15:55:14	Date and time of file creation	ontime1	28678.059180319	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	28681.200220585	Sum of GTIs [s]
			ontime3	28681.200220585	Sum of GTIs [s]
			ontime6	28681.200220585	Sum of GTIs [s]
			l1events	797421	Number of level 1 events

2.1.4 Events

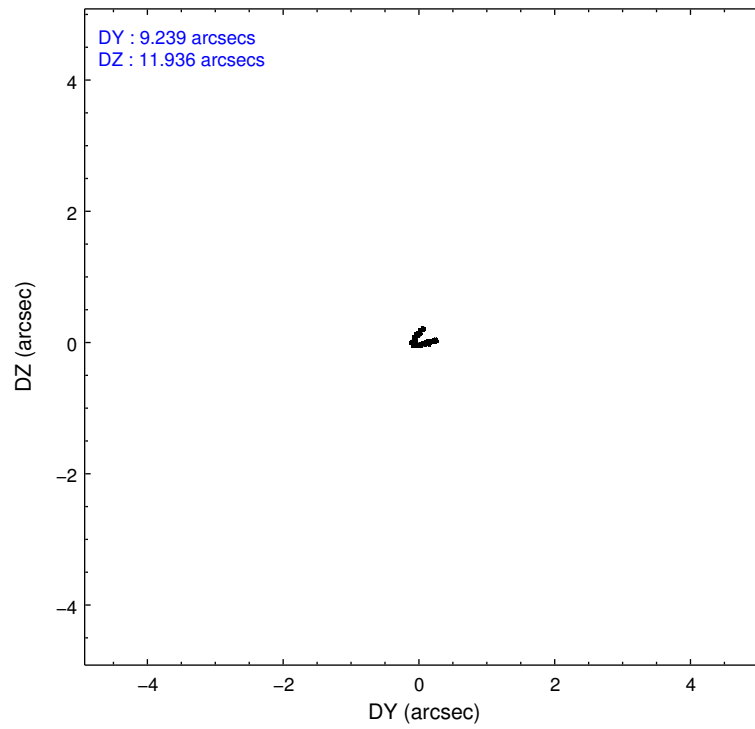
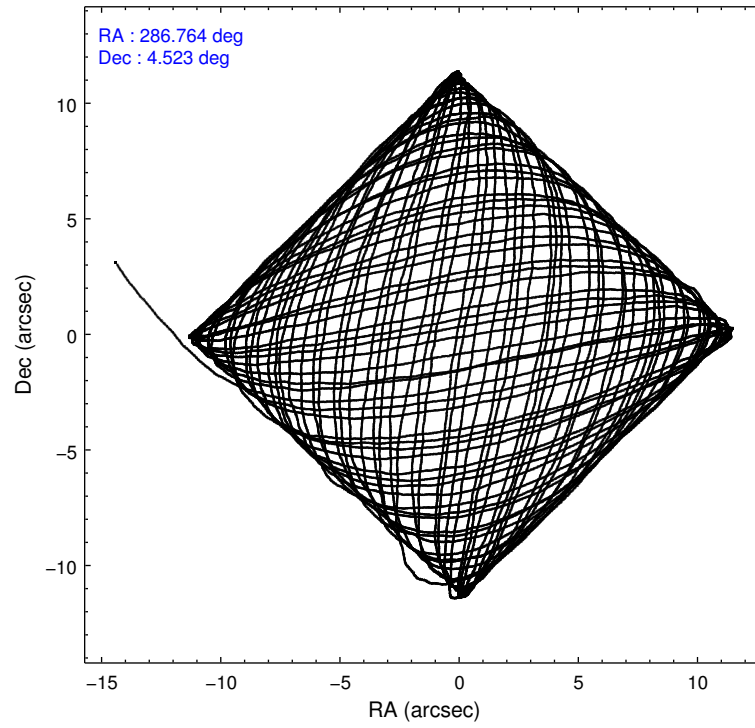
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	143678	164350	162686	161772	164935
rejected events	124849	134350	142643	141596	144429
rejected %	86%	81%	87%	87%	87%

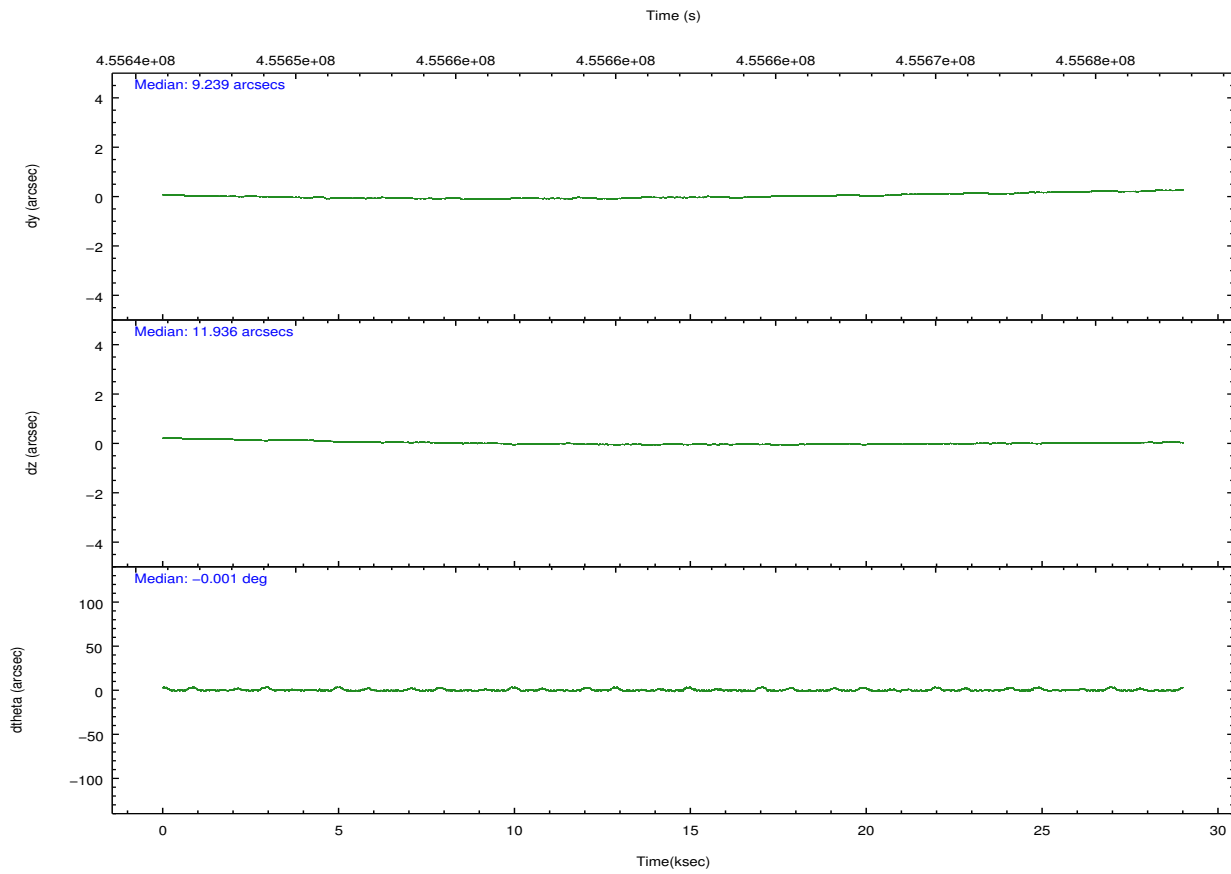
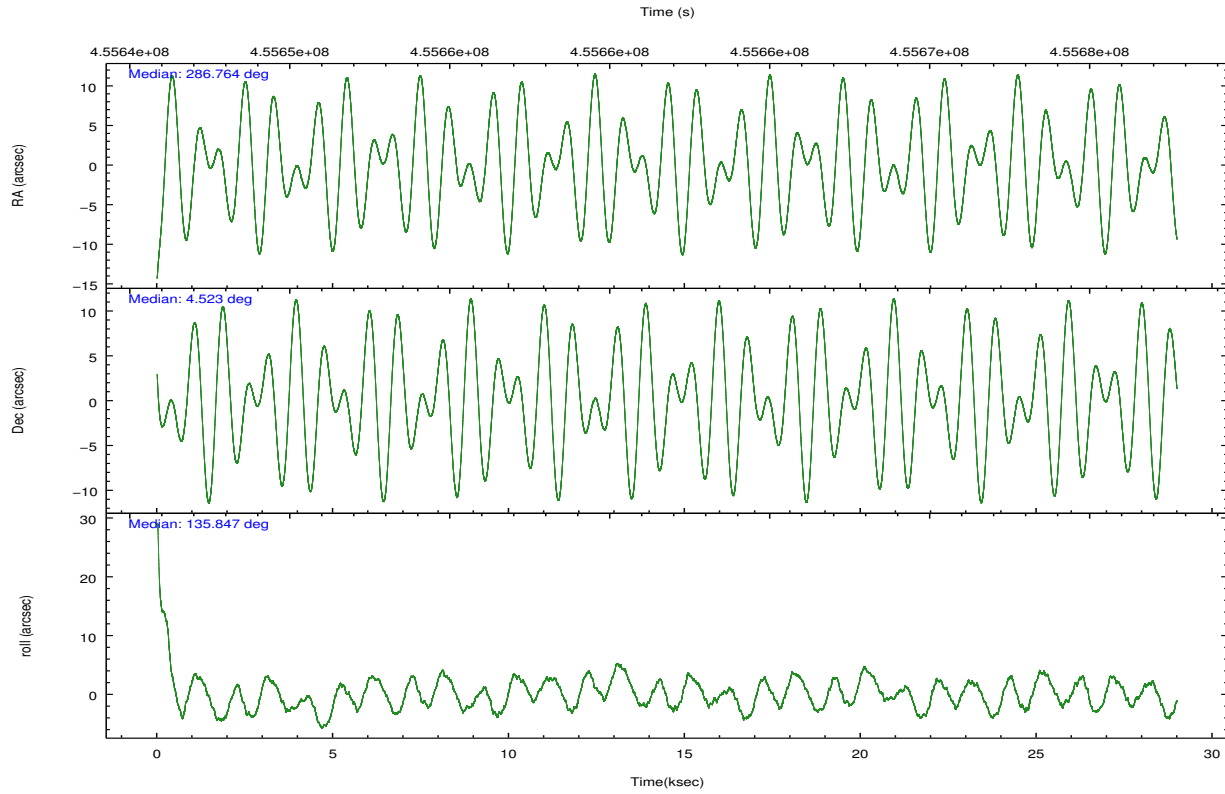
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	6722	16694	8254	8191	7913
	4%	10%	5%	5%	4%
grade 1 events	89	101	88	121	99
	0%	0%	0%	0%	0%
grade 2 events	4427	4782	4547	4133	4298
	3%	2%	2%	2%	2%
grade 3 events	2007	2077	1859	1959	2005
	1%	1%	1%	1%	1%
grade 4 events	1821	1974	1906	1976	1886
	1%	1%	1%	1%	1%
grade 5 events	7317	7476	6880	8210	7802
	5%	4%	4%	5%	4%
grade 6 events	3855	4476	3477	3920	4409
	2%	2%	2%	2%	2%
grade 7 events	117440	126770	135675	133262	136523
	81%	77%	83%	82%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	286.790376	286.7635982166357	CCD I2 on	Y	Y
[deg] Pointing Dec	4.516758	4.523371405980837	CCD I3 on	Y	Y
[deg] Pointing Roll	135.647624	135.8584313721956	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	455647701.184000	455646659.4657	CCD S5 on	N	N
Observation start date	2012-06-09T16:47:15	2012-06-09T16:30:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	455676301.184000	455677834.84236	On-chip summing requested	N	N
Observation end date	2012-06-10T00:43:55	2012-06-10T01:10:34	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



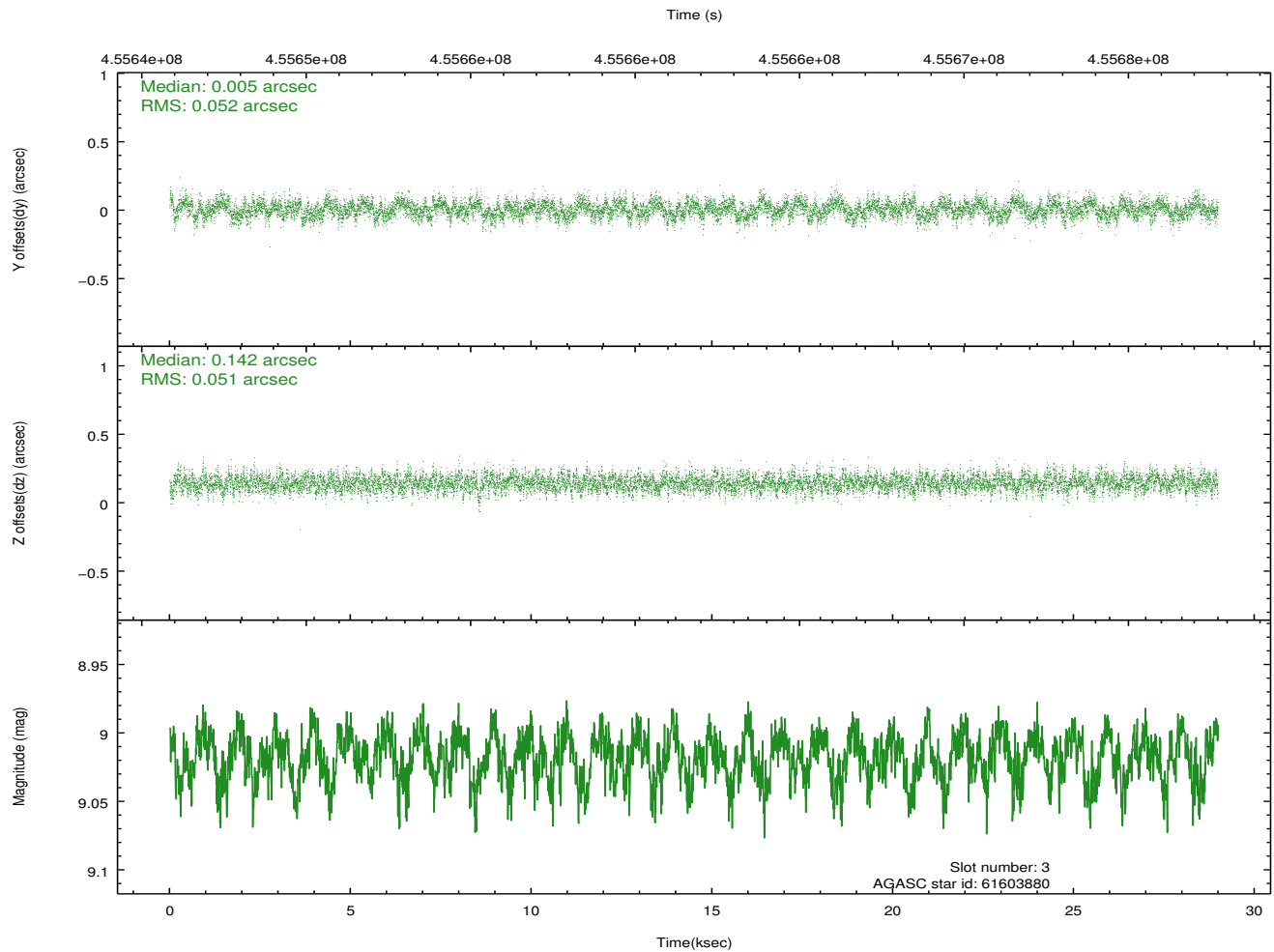
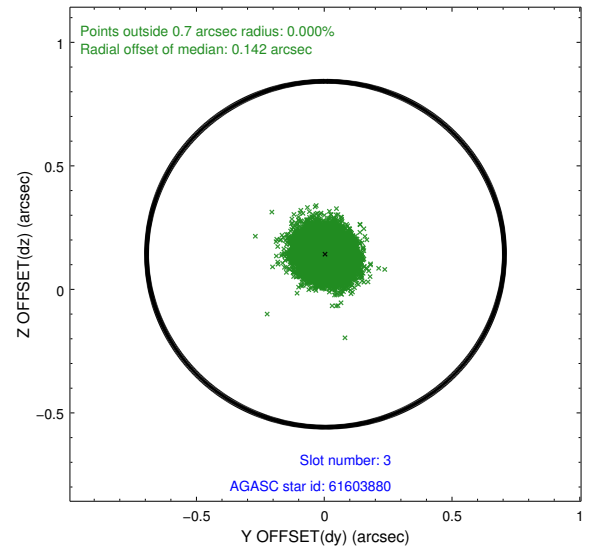
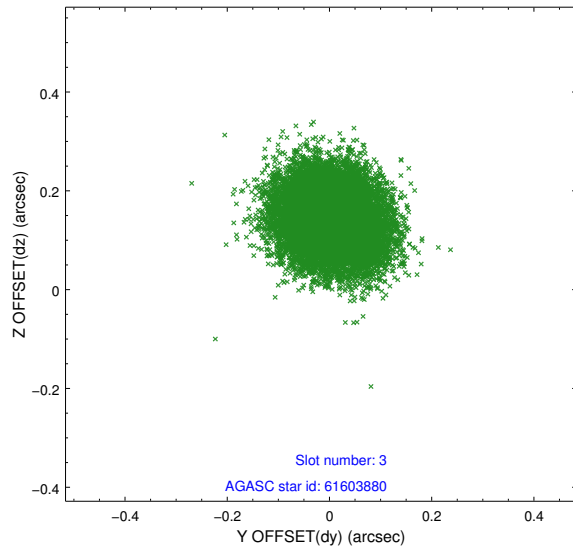


Slot Statistics

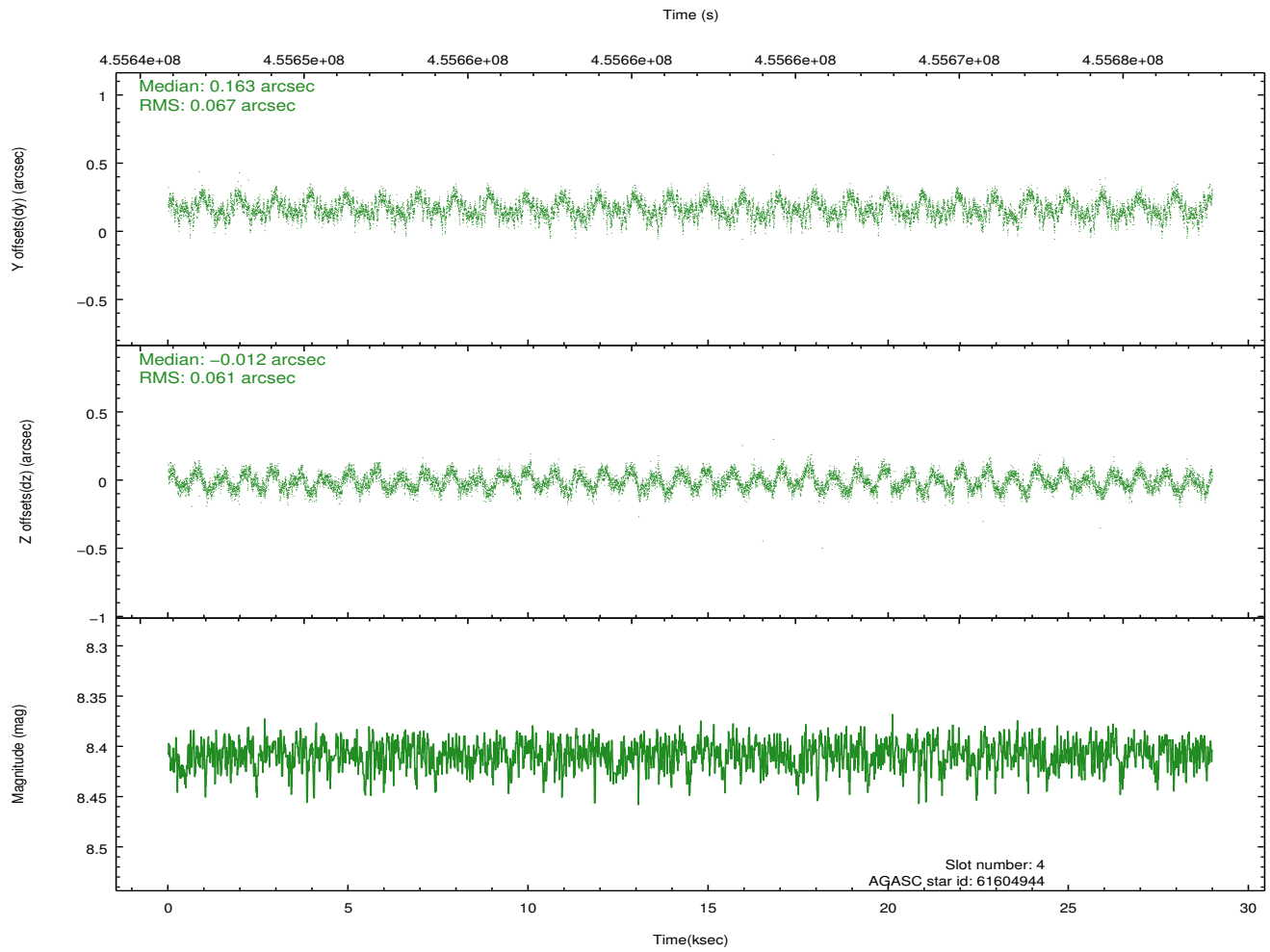
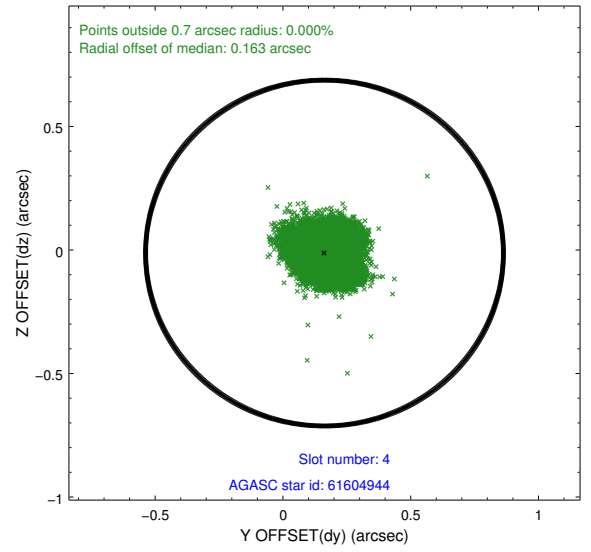
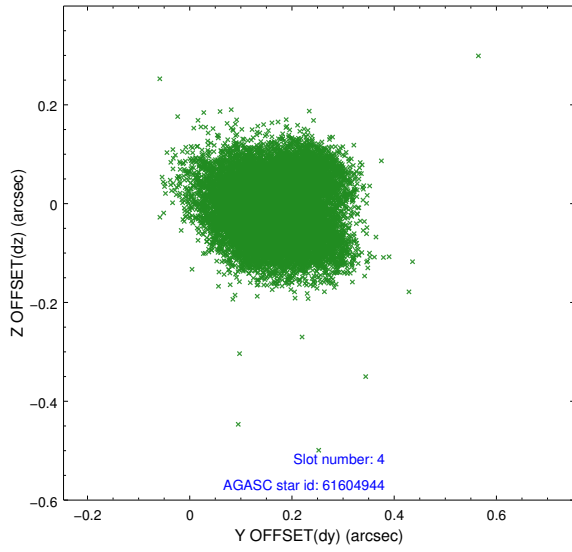
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.17	7070	0.125	-0.096	0.009	0.018	0.000000	0.000000	930.47	-835.59
1	FID	ACIS-I-5	7.15	7071	-0.251	0.109	0.009	0.019	0.000000	0.000000	-1817.94	1062.11
2	FID	ACIS-I-6	7.16	7070	0.036	0.056	0.010	0.022	0.000000	0.000000	395.87	1706.62
3	GUIDE	61603880	9.02	14138	0.005	0.142	0.078	0.125	286.650966	4.752396	950.94	-256.77
4	GUIDE	61604944	8.41	14134	0.163	-0.012	0.099	0.151	286.718438	5.241626	2009.48	-1685.48
5	GUIDE	61610008	8.94	14137	-0.163	-0.093	0.086	0.143	286.481888	5.130471	2335.96	-806.64
6	GUIDE	61612936	9.36	14134	0.003	-0.282	0.130	0.208	286.333385	4.292944	610.21	1722.29
7	GUIDE	61742032	7.79	14071	-0.005	0.245	0.065	0.102	287.149645	5.118464	594.01	-2449.16

2.4 Star Slots

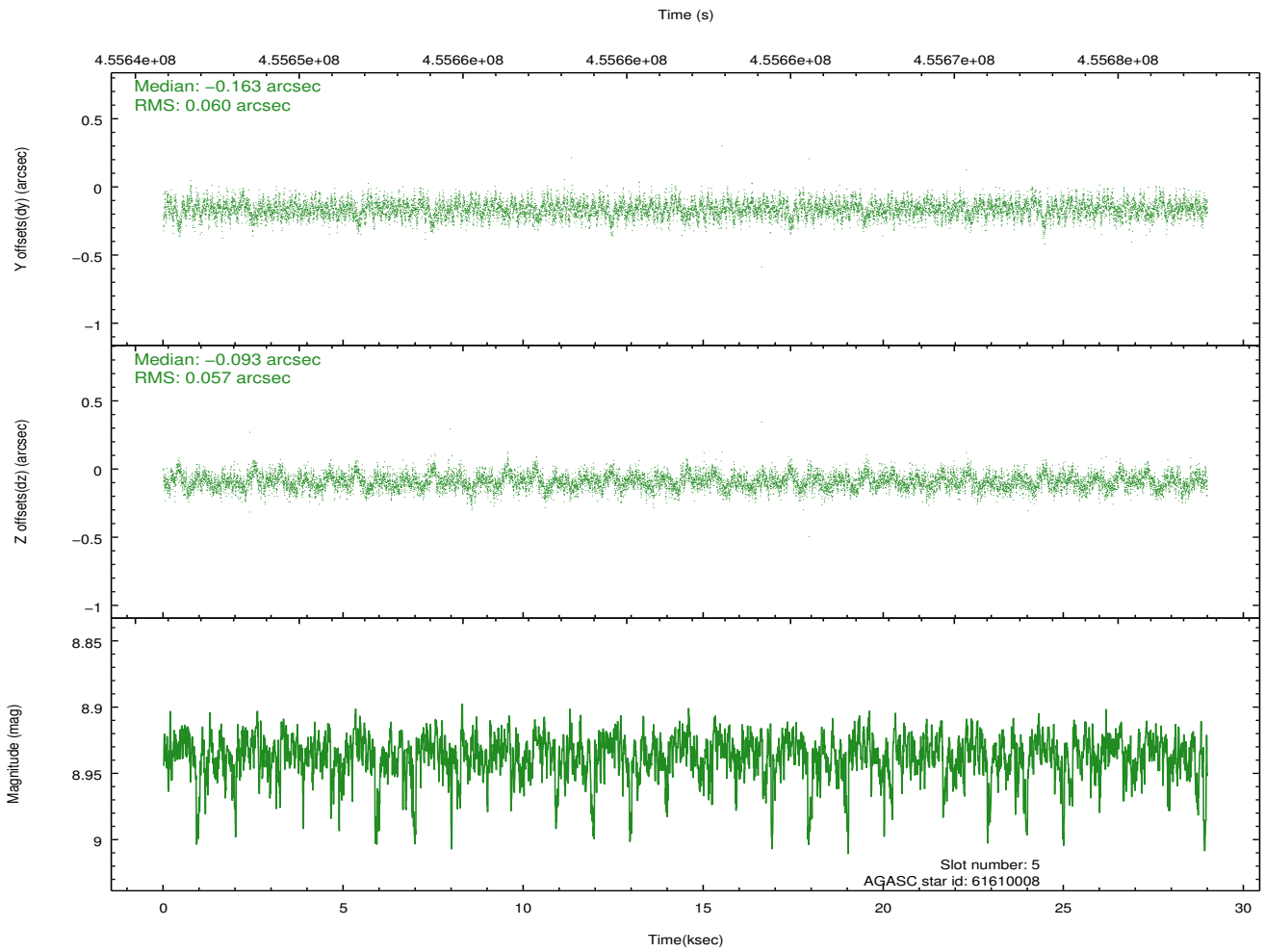
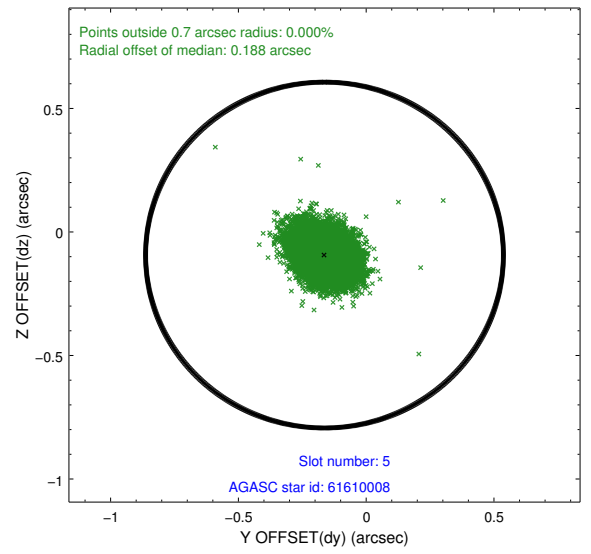
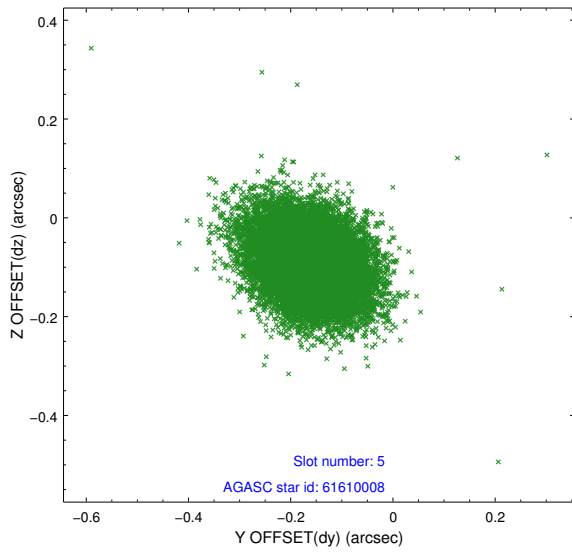
2.4.1 Slot 3



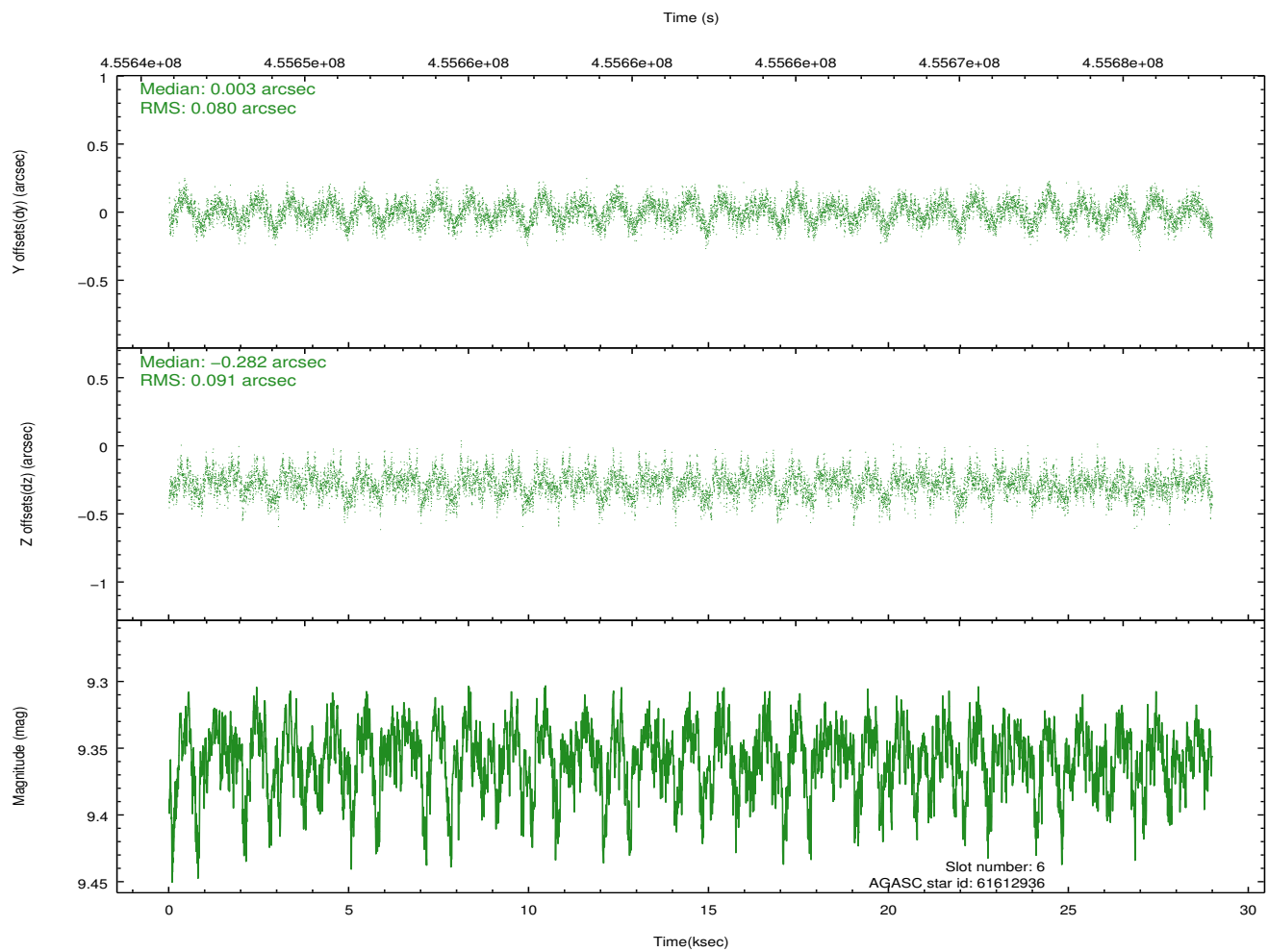
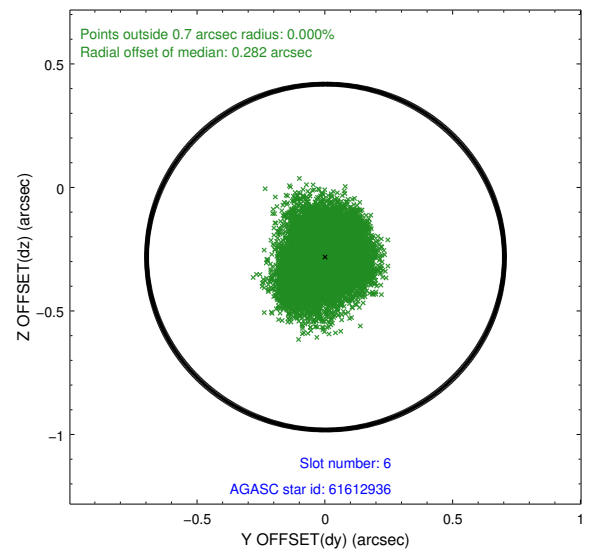
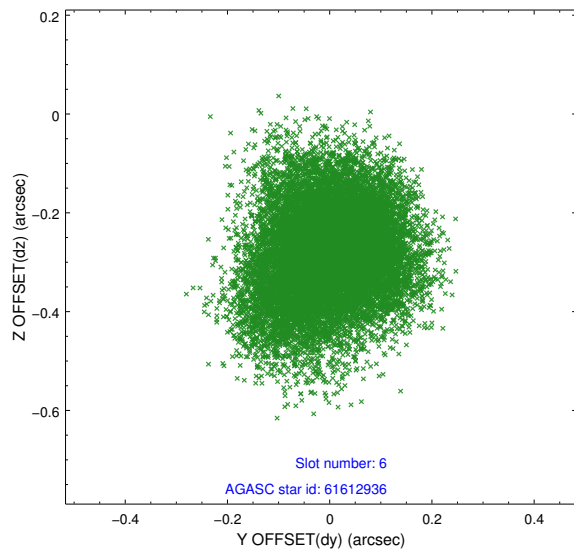
2.4.2 Slot 4



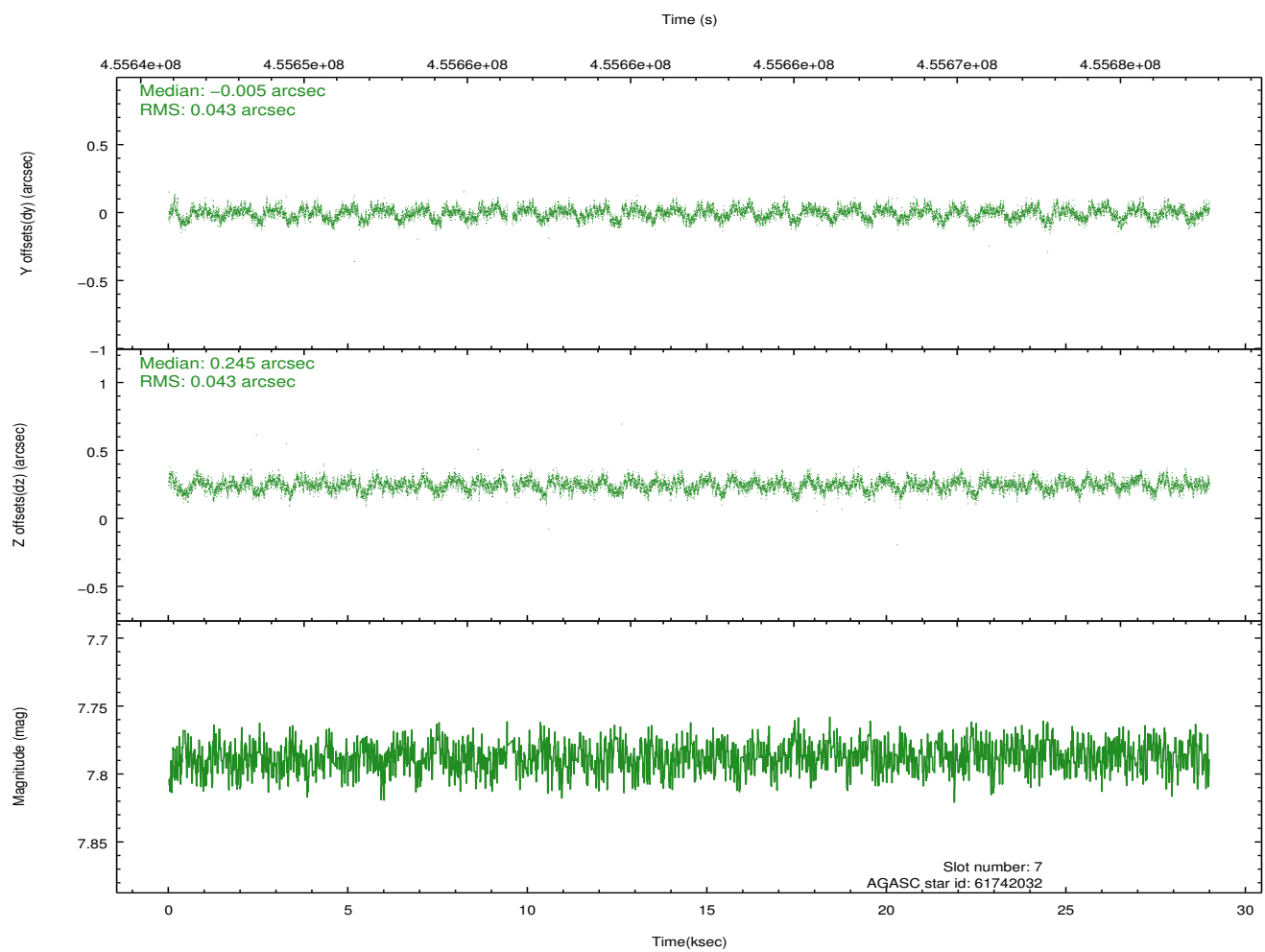
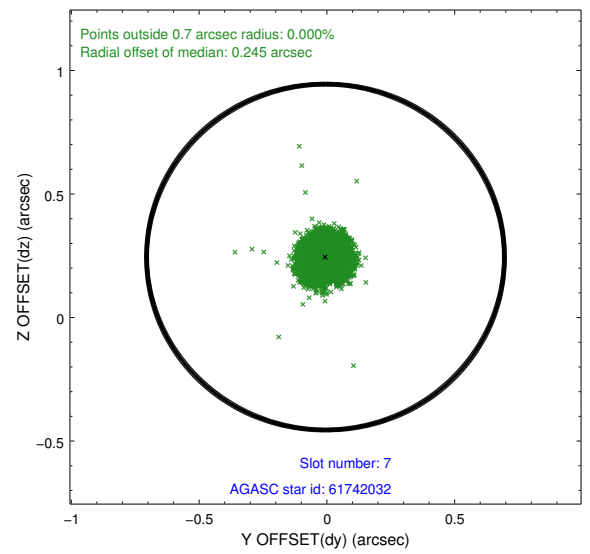
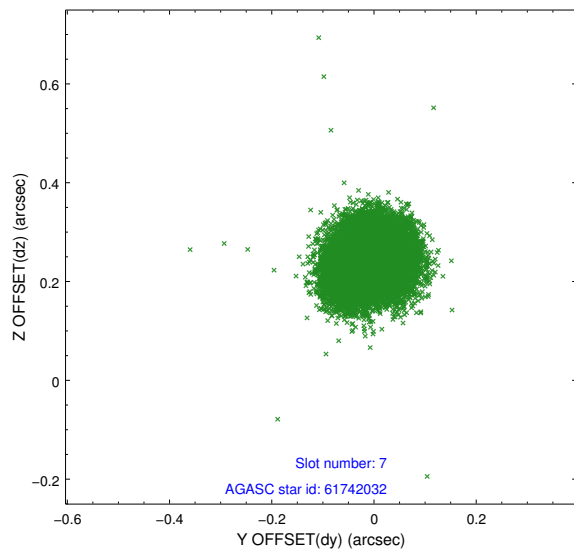
2.4.3 Slot 5



2.4.4 Slot 6

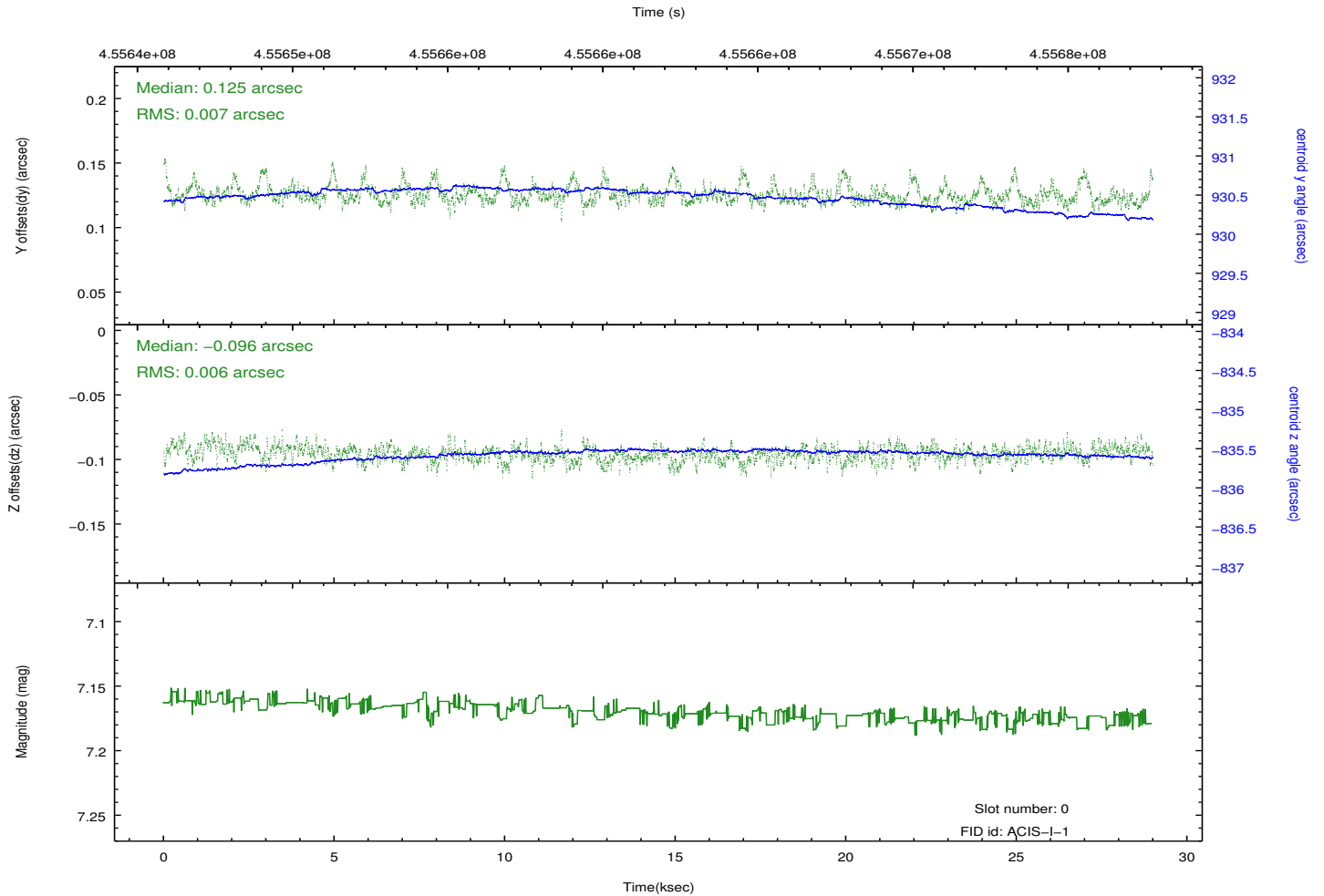
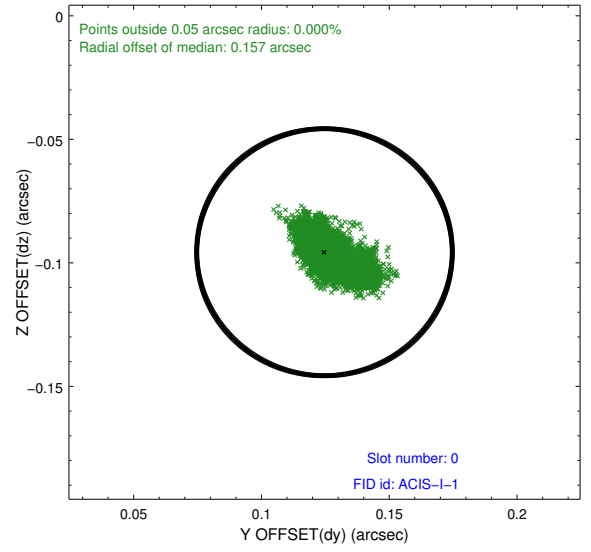
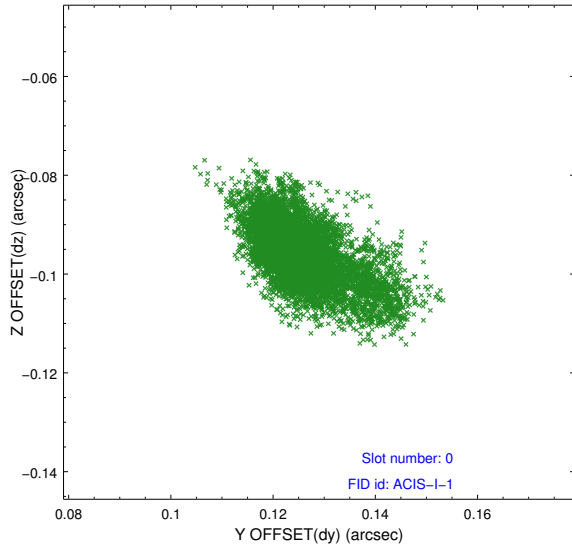


2.4.5 Slot 7

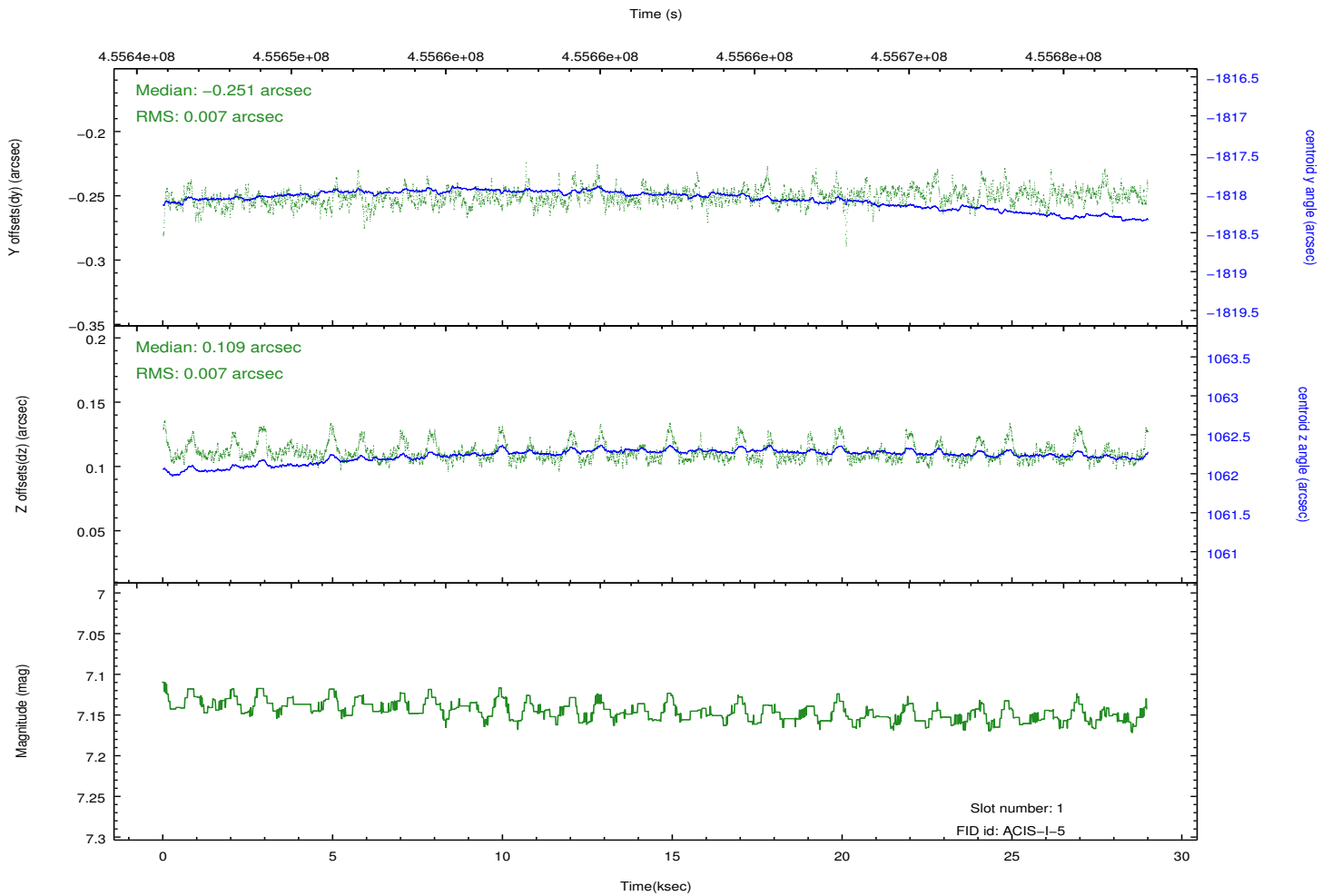
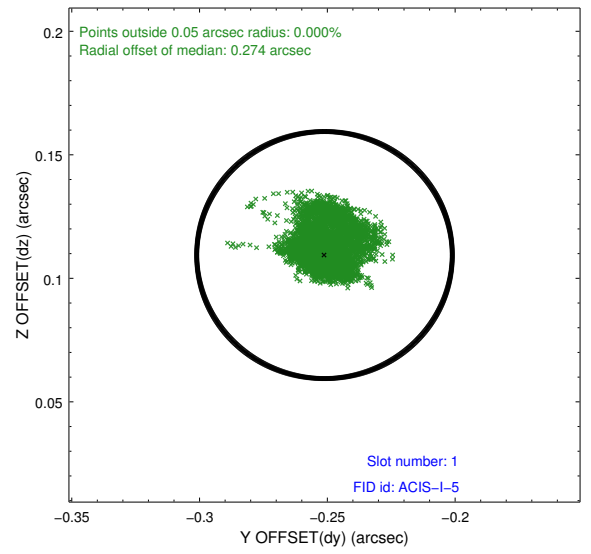
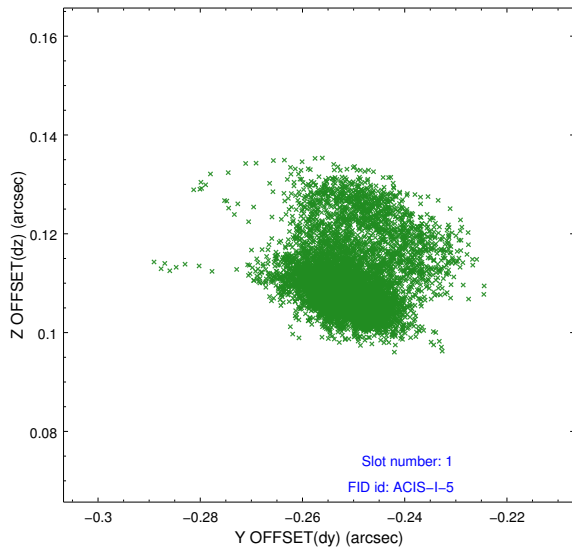


2.5 FID Slots

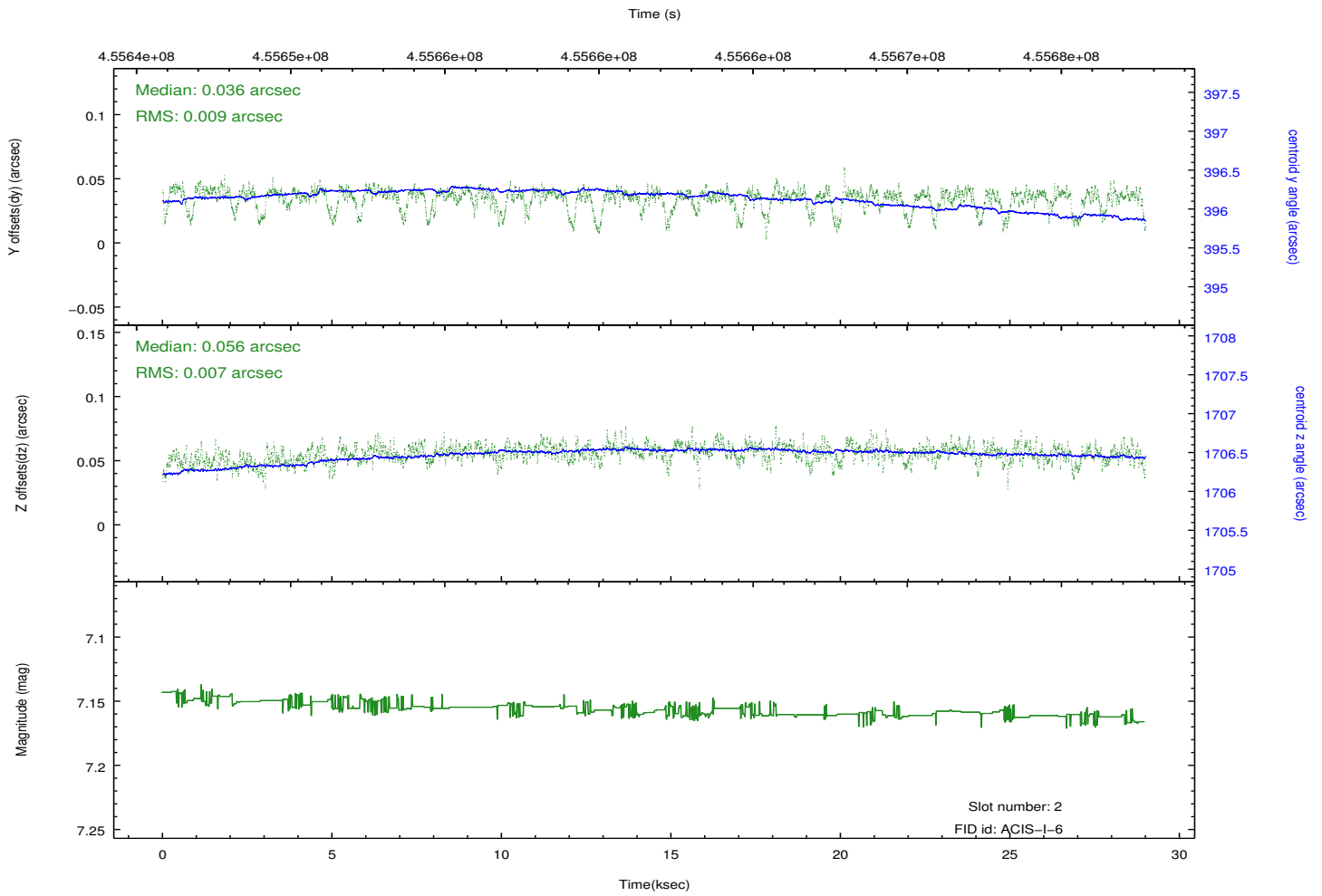
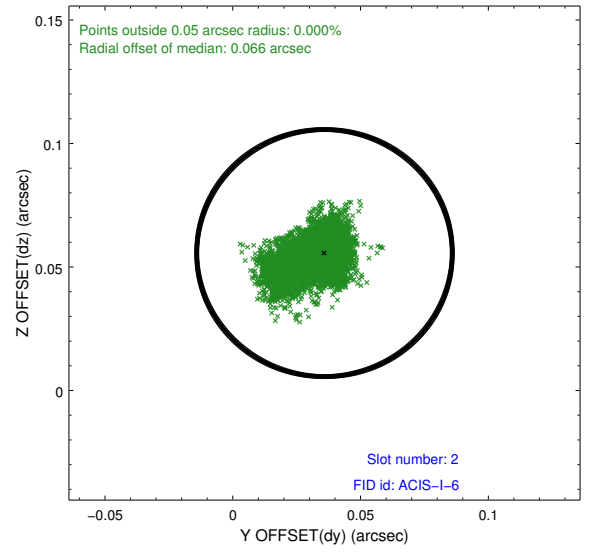
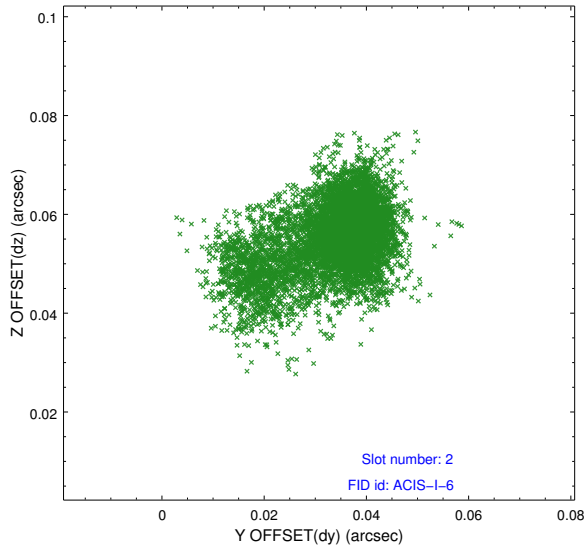
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.681200220585

A.2 Comments