

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1899 - L2 Version 3
Chandra X-Ray Center

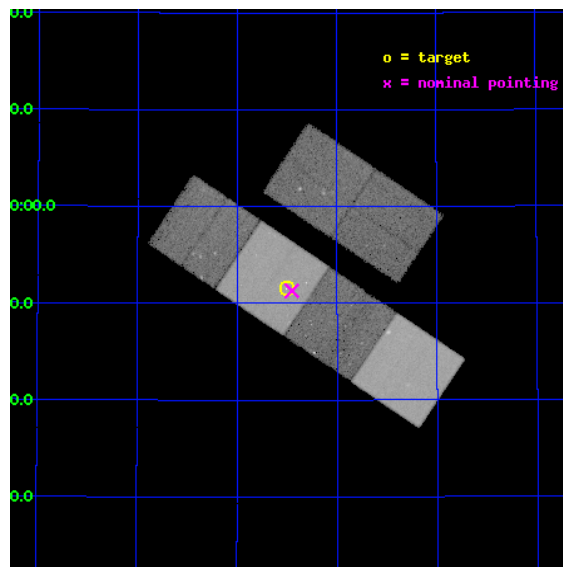
L2 Processing Date : Sep 21 2012

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1 Front

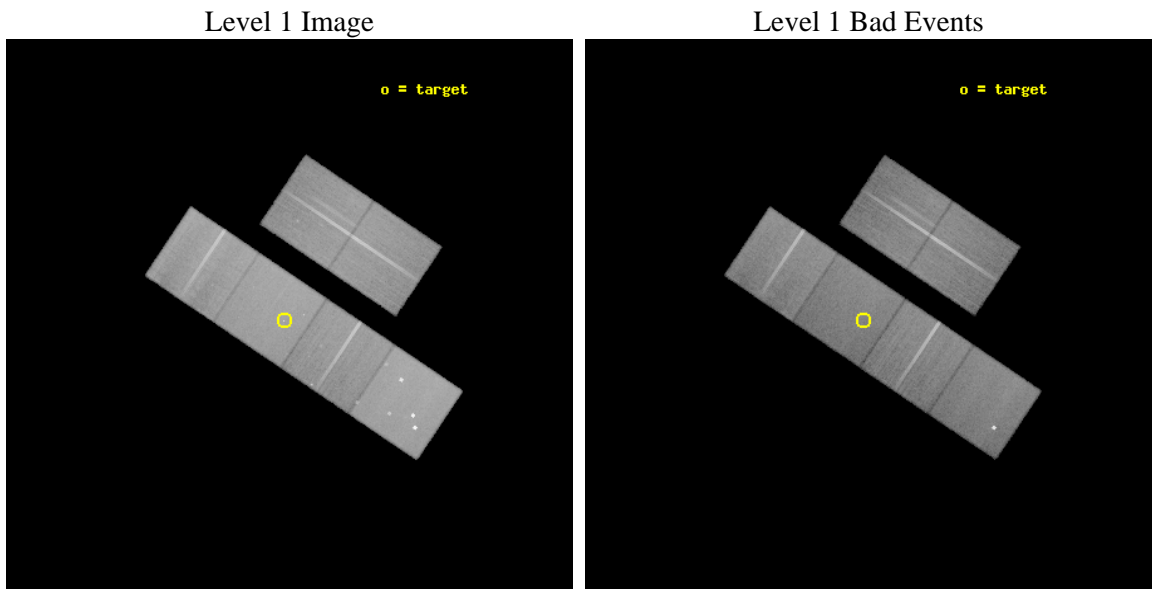
seq_num	300047	Sequence number
obs_id	1899	Observation id
title	THE ORIGIN OF SOFT X-RAYS IN DQ HERCULIS	Proposal title
observer	Dr Koji Mukai	Principal investigator
object	DQ HERCULIS	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	271.875833	Observer's specified target RA [deg]
dec_targ	45.858889	Observer's specified target Dec [deg]
ra_nom	271.86298363685	Nominal RA [deg]
dec_nom	45.854973825239	Nominal Dec [deg]
roll_nom	213.84042846606	Nominal Roll [deg]
revision	3	Processing version of data
ontime	46962.266769871	Sum of GTIs [s]
livetime	46367.602270749	Livetime [s]
ontime2	46959.066849619	Sum of GTIs [s]
ontime3	46962.143649876	Sum of GTIs [s]
ontime5	46962.225729868	Sum of GTIs [s]
ontime6	46962.184689879	Sum of GTIs [s]
ontime7	46962.266769871	Sum of GTIs [s]
ontime8	46962.102609873	Sum of GTIs [s]
l2events	473777	Number of level 2 events



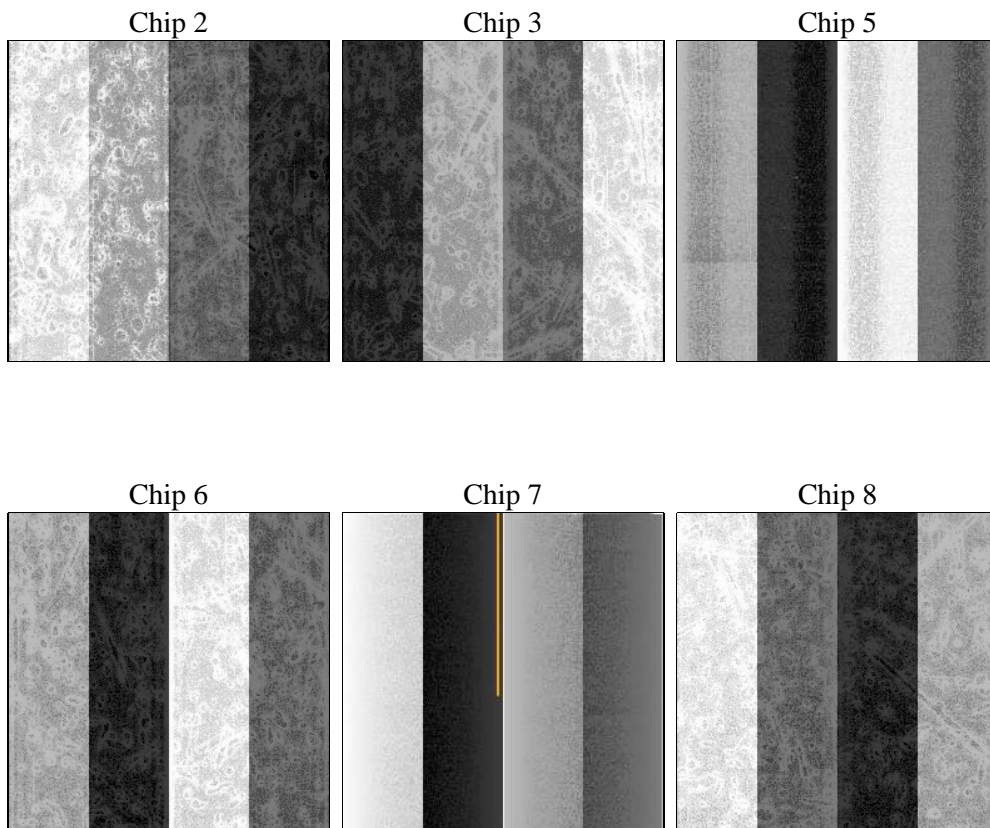
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	64000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	46962.266769871	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	46959.066849619	Sum of GTIs [s]
date	2012-09-21T09:56:33	Date and time of file creation	ontime3	46962.143649876	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	46962.225729868	Sum of GTIs [s]
			ontime6	46962.184689879	Sum of GTIs [s]
			ontime7	46962.266769871	Sum of GTIs [s]
			ontime8	46962.102609873	Sum of GTIs [s]
			l1events	2181707	Number of level 1 events

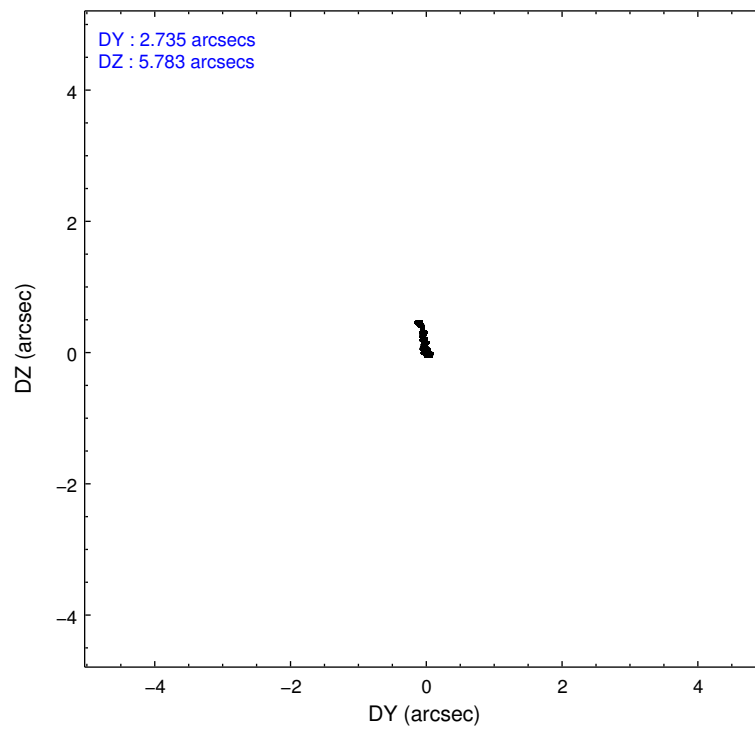
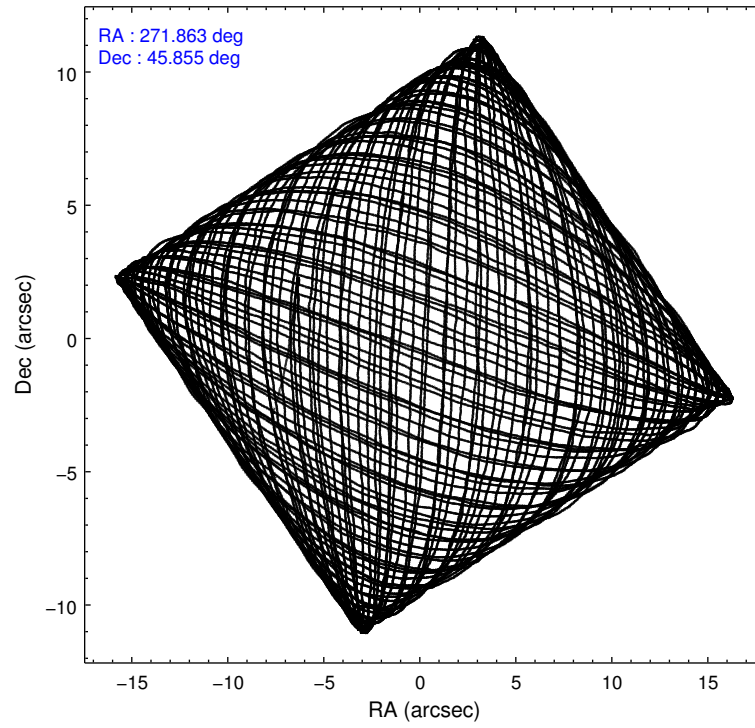
2.1.4 Events

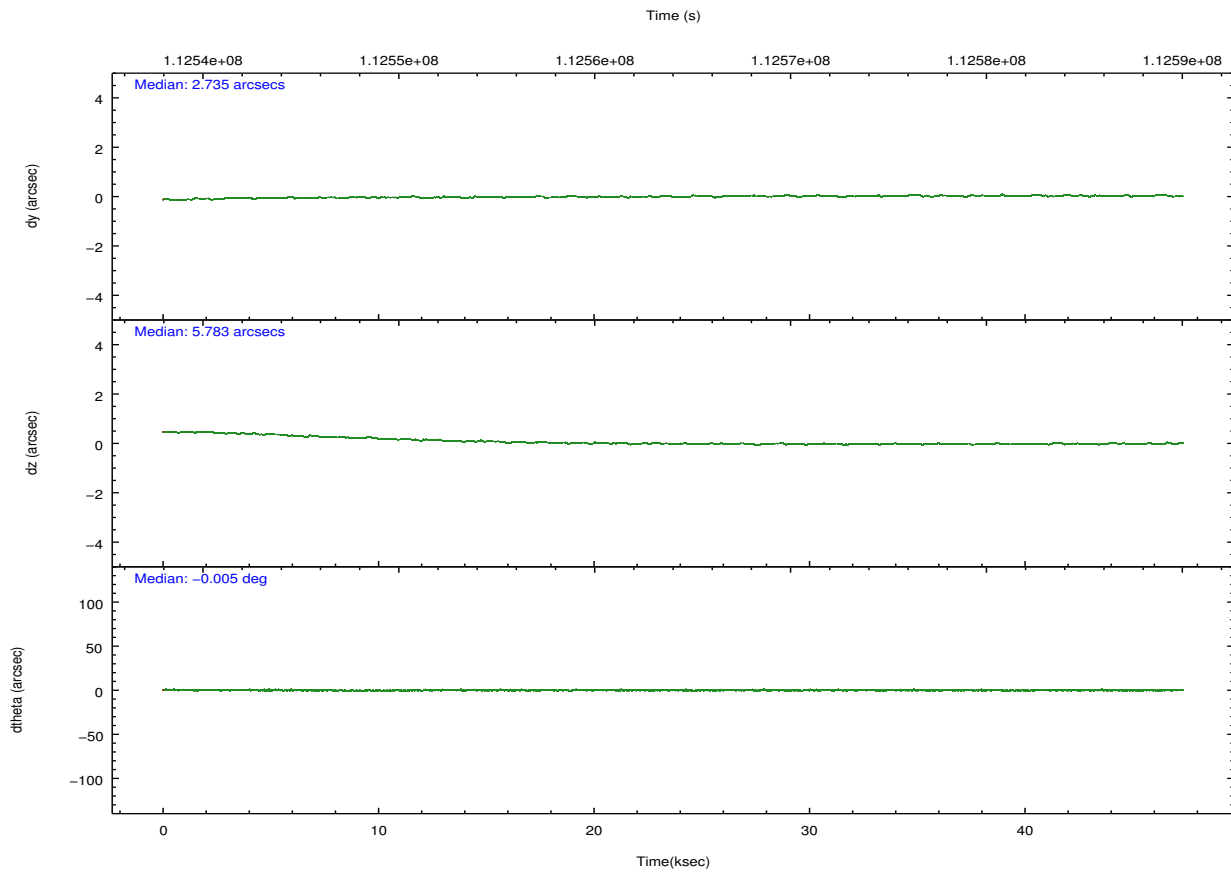
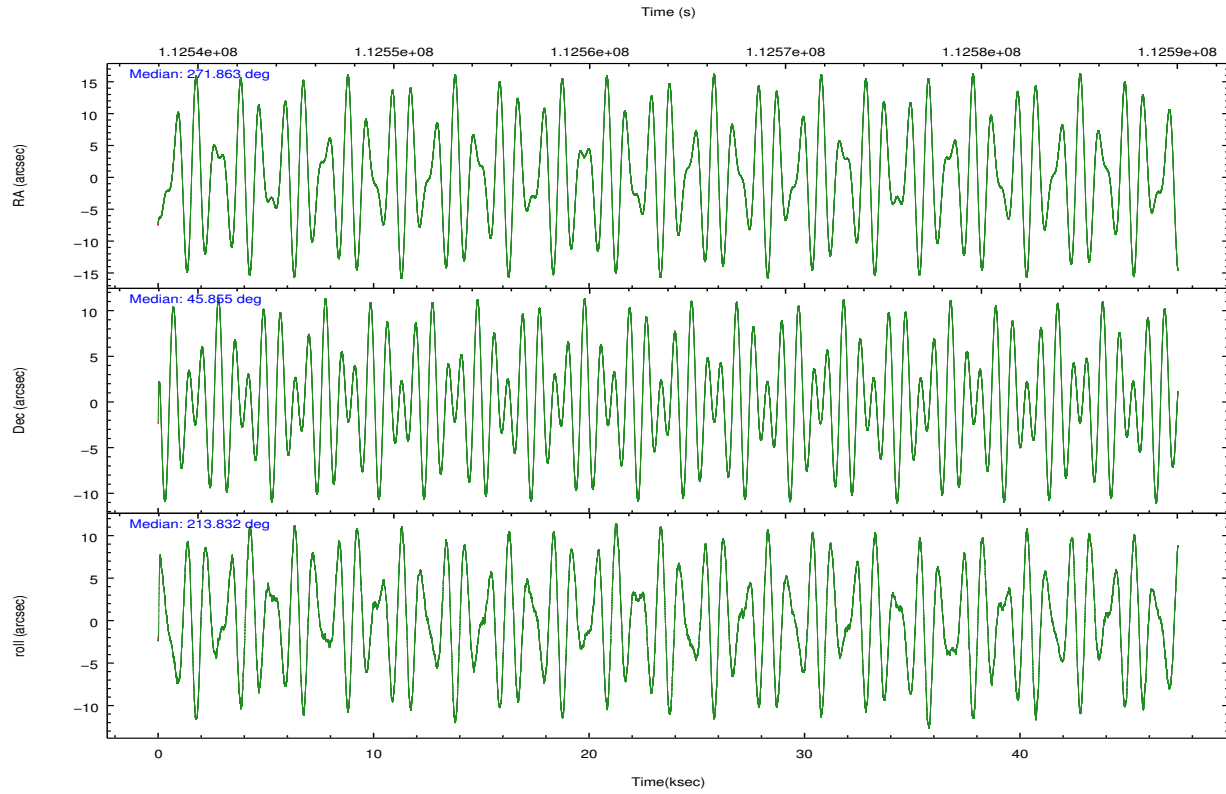
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	313318	307512	462505	312208	397371	388793	grade 0 events	14305	15036	35871	15001	16222	24398
rejected events	279255	272754	244653	276027	232025	310252		4%	4%	7%	4%	4%	6%
rejected %	89%	88%	52%	88%	58%	79%	grade 1 events	114	140	534	167	366	223
								0%	0%	0%	0%	0%	0%
							grade 2 events	7266	6812	61725	7100	32395	17280
								2%	2%	13%	2%	8%	4%
							grade 3 events	3256	3435	8301	3553	14873	8234
								1%	1%	1%	1%	3%	2%
							grade 4 events	3204	3327	8022	3569	14718	7753
								1%	1%	1%	1%	3%	1%
							grade 5 events	10759	11729	33641	13019	37825	16643
								3%	3%	7%	4%	9%	4%
							grade 6 events	6038	6153	103959	6966	87171	20878
								1%	2%	22%	2%	21%	5%
							grade 7 events	268376	260880	210452	262833	193801	293384
								85%	84%	45%	84%	48%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	271.879892	271.8629836368493	Subarray requested	NONE	NONE
[deg] Pointing Dec	45.879600	45.85497382523948	Alternating exposures requested	N	N
[deg] Pointing Roll	213.671670	213.8404284660569	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	112540649.184000	112539618.10552			
Observation start date	2001-07-26T13:16:25	2001-07-26T13:00:18			
[s] Observation end time (MET)	112604649.184000	112588286.13243			
Observation end date	2001-07-27T07:03:05	2001-07-27T02:31:26			
Read mode	TIMED	TIMED			

2.3 Aspect



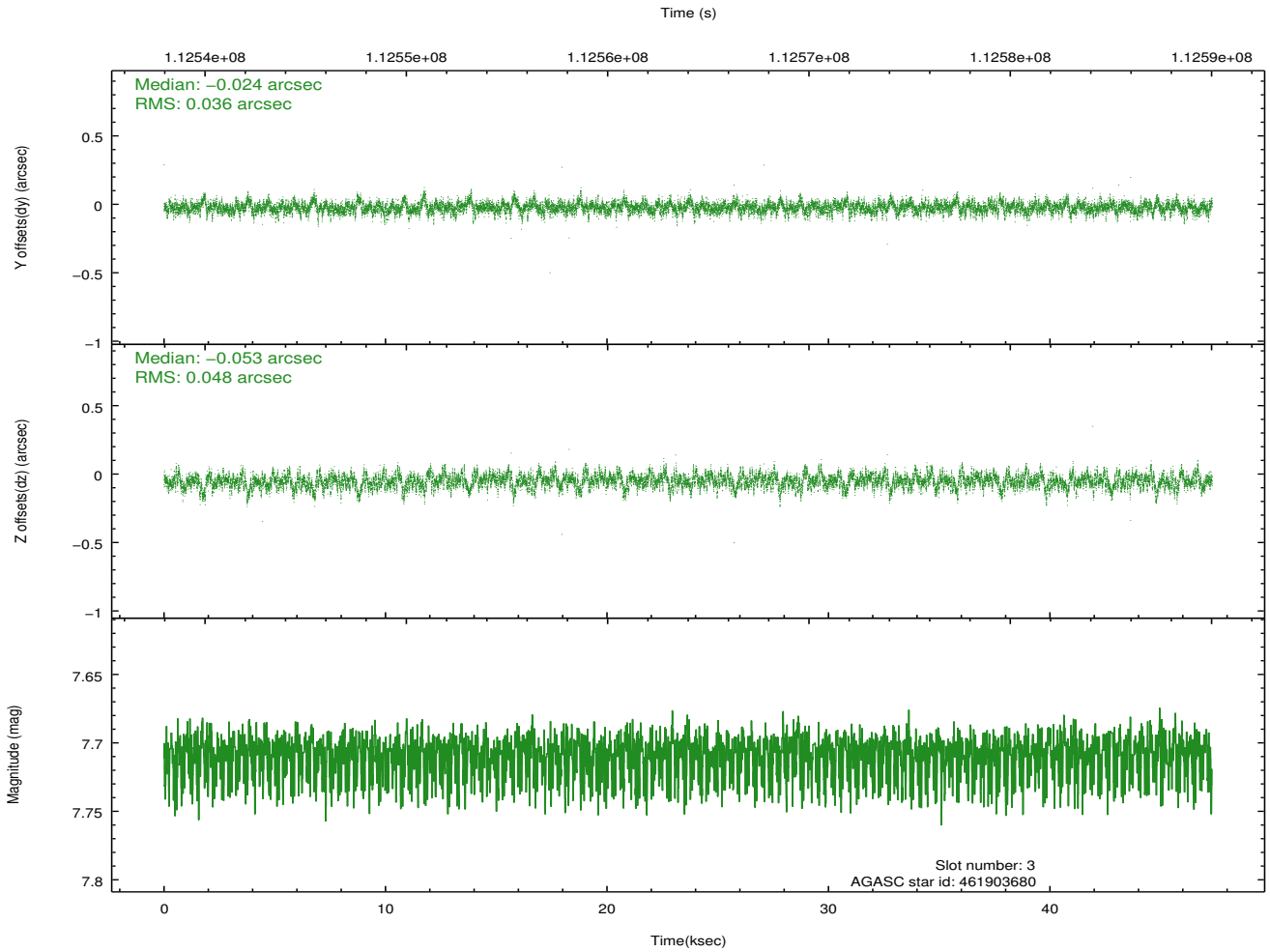
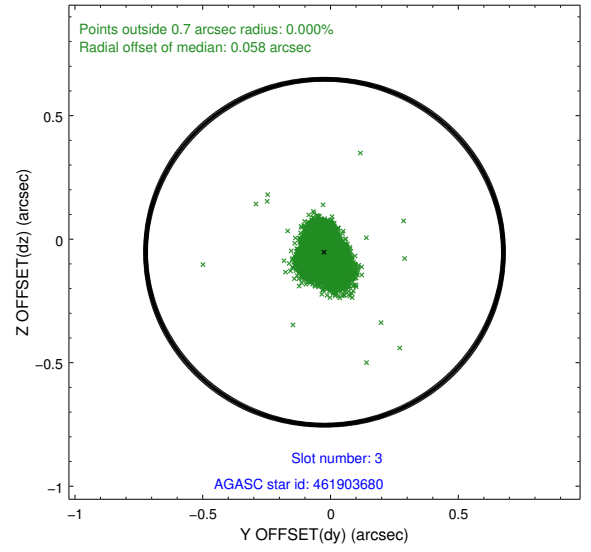
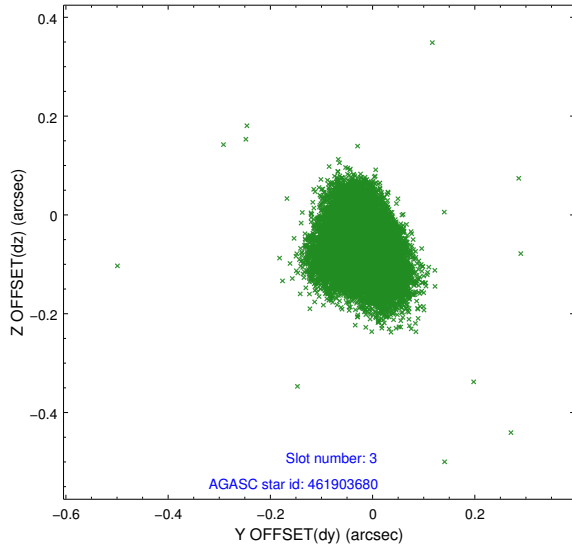


Slot Statistics

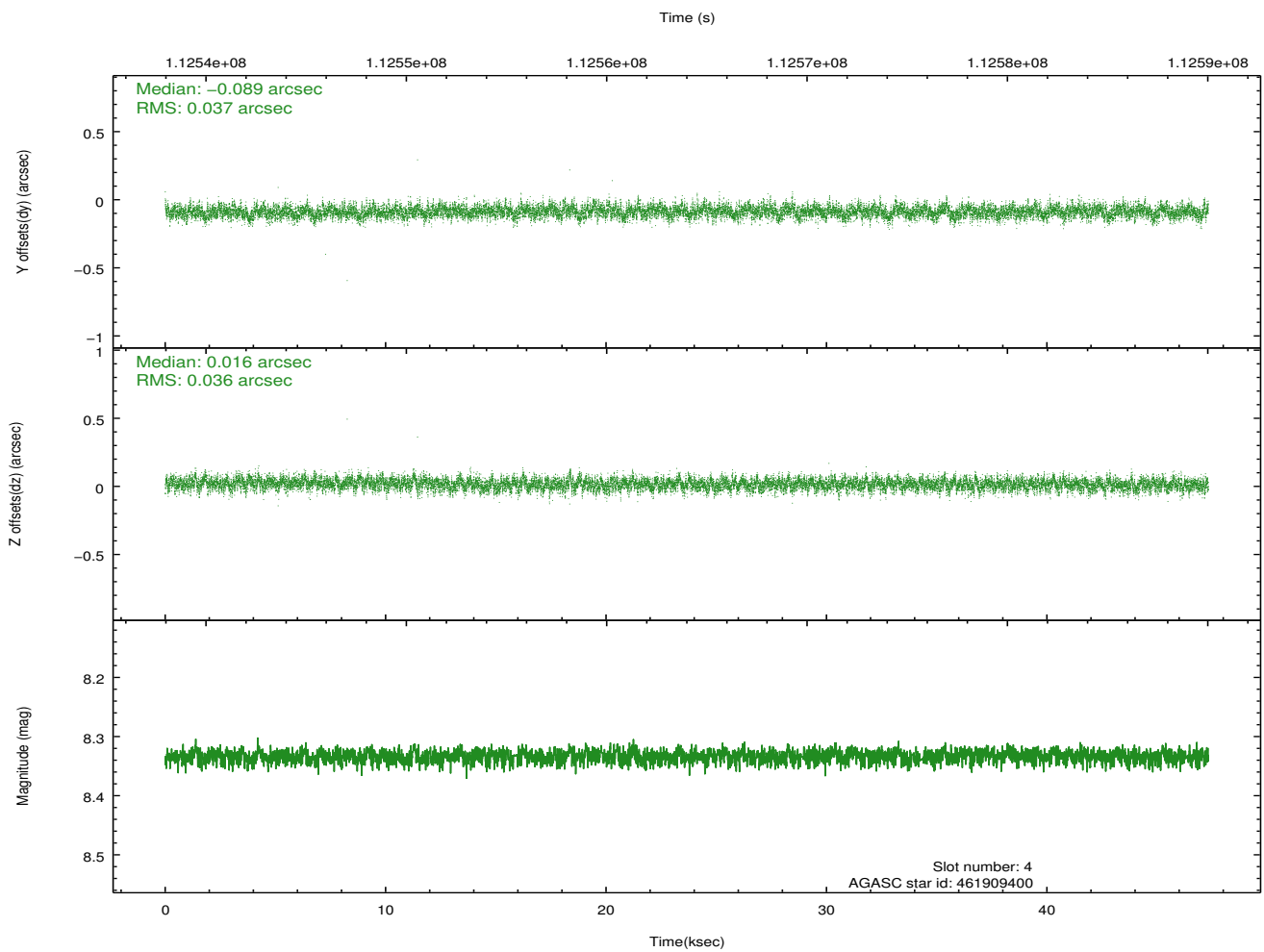
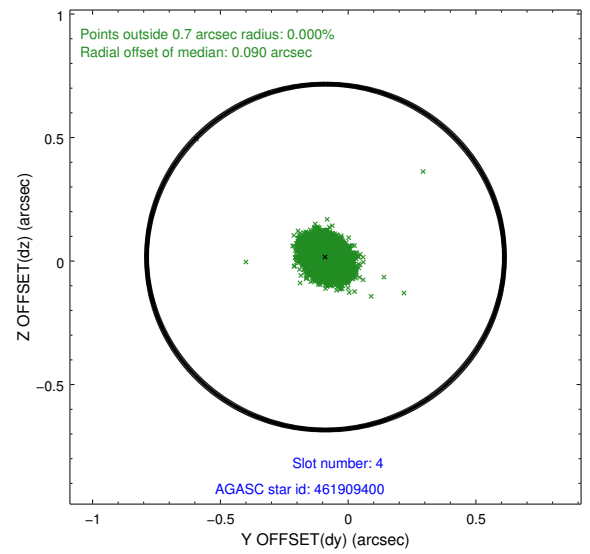
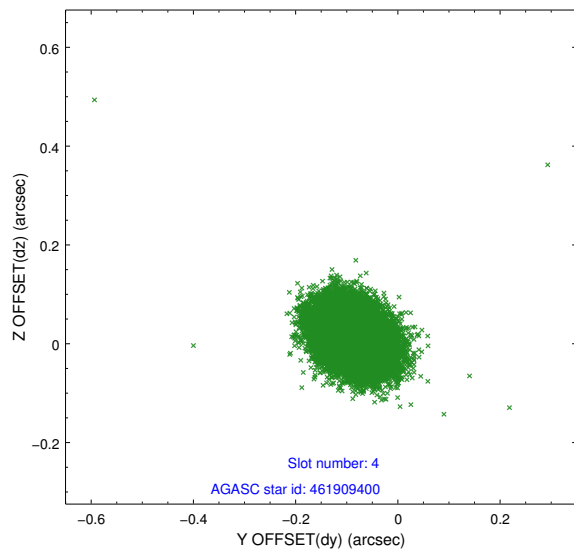
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	11543	-0.030	0.010	0.009	0.020	0.000000	0.000000	-755.35	-1726.96
1	FID	ACIS-S-4	7.20	11543	-0.045	0.011	0.010	0.027	0.000000	0.000000	2157.87	181.61
2	FID	ACIS-S-5	7.24	11543	0.042	-0.012	0.009	0.019	0.000000	0.000000	-1808.18	175.15
3	GUIDE	461903680	7.71	23086	-0.024	-0.053	0.061	0.108	271.661765	46.273277	-334.34	-1480.62
4	GUIDE	461909400	8.33	23082	-0.089	0.016	0.054	0.089	272.212627	45.772711	-483.23	782.41
5	GUIDE	461910784	8.69	23078	-0.030	-0.125	0.057	0.094	271.578651	45.658398	1071.37	241.86
6	GUIDE	461911872	8.78	23077	0.106	0.092	0.066	0.105	271.267939	45.702917	1629.93	-327.74
7	GUIDE	461904776	9.15	23074	0.037	0.074	0.089	0.143	272.396559	45.830962	-983.89	861.25

2.4 Star Slots

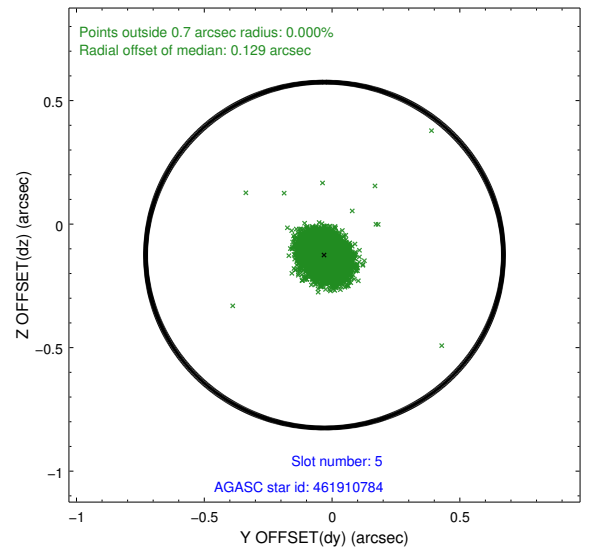
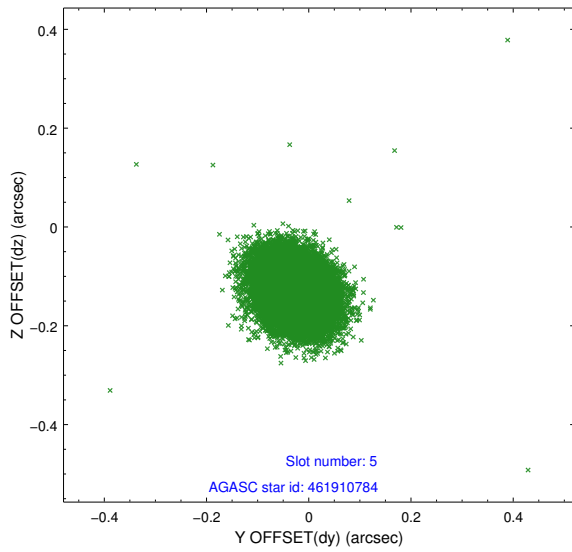
2.4.1 Slot 3



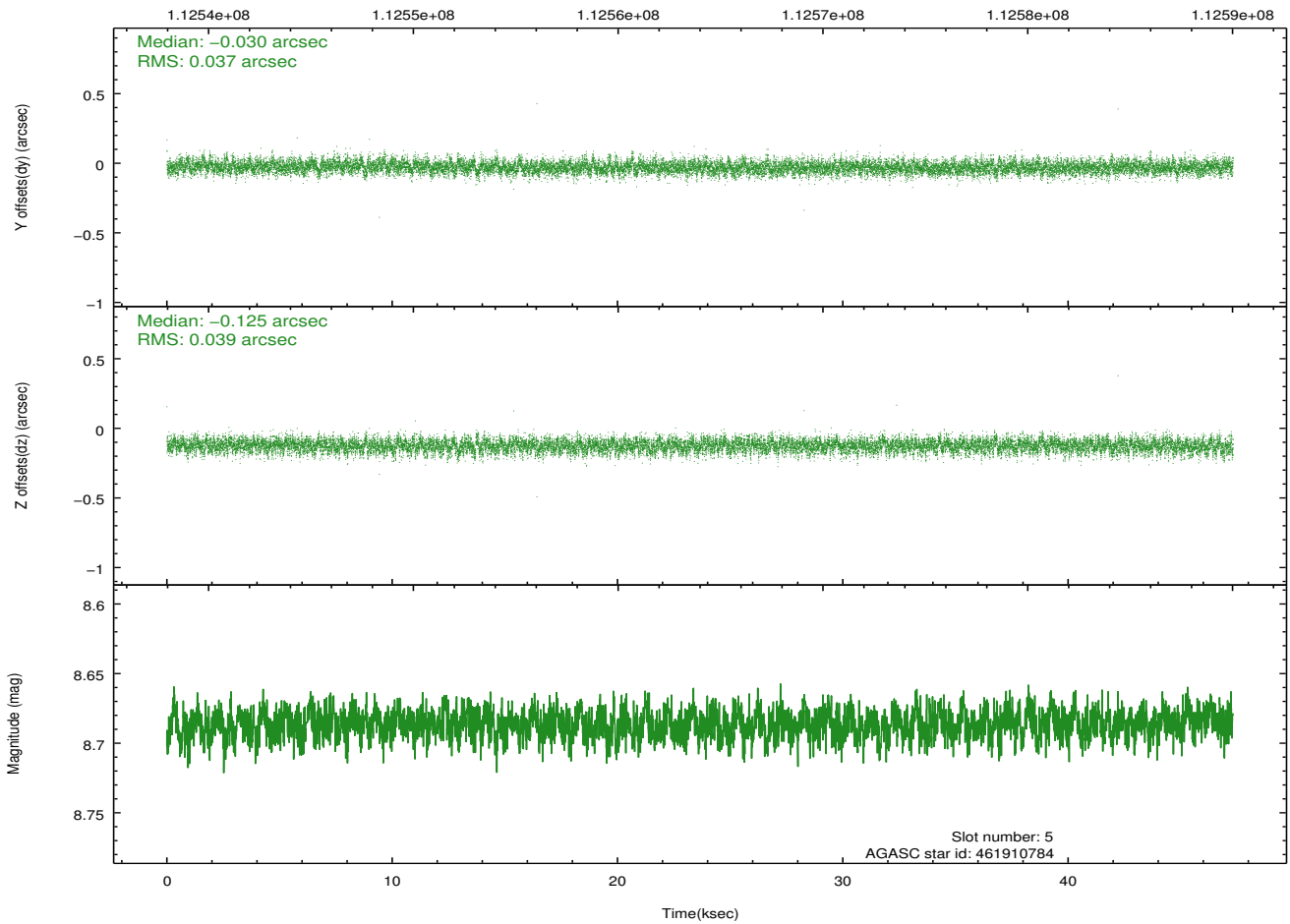
2.4.2 Slot 4



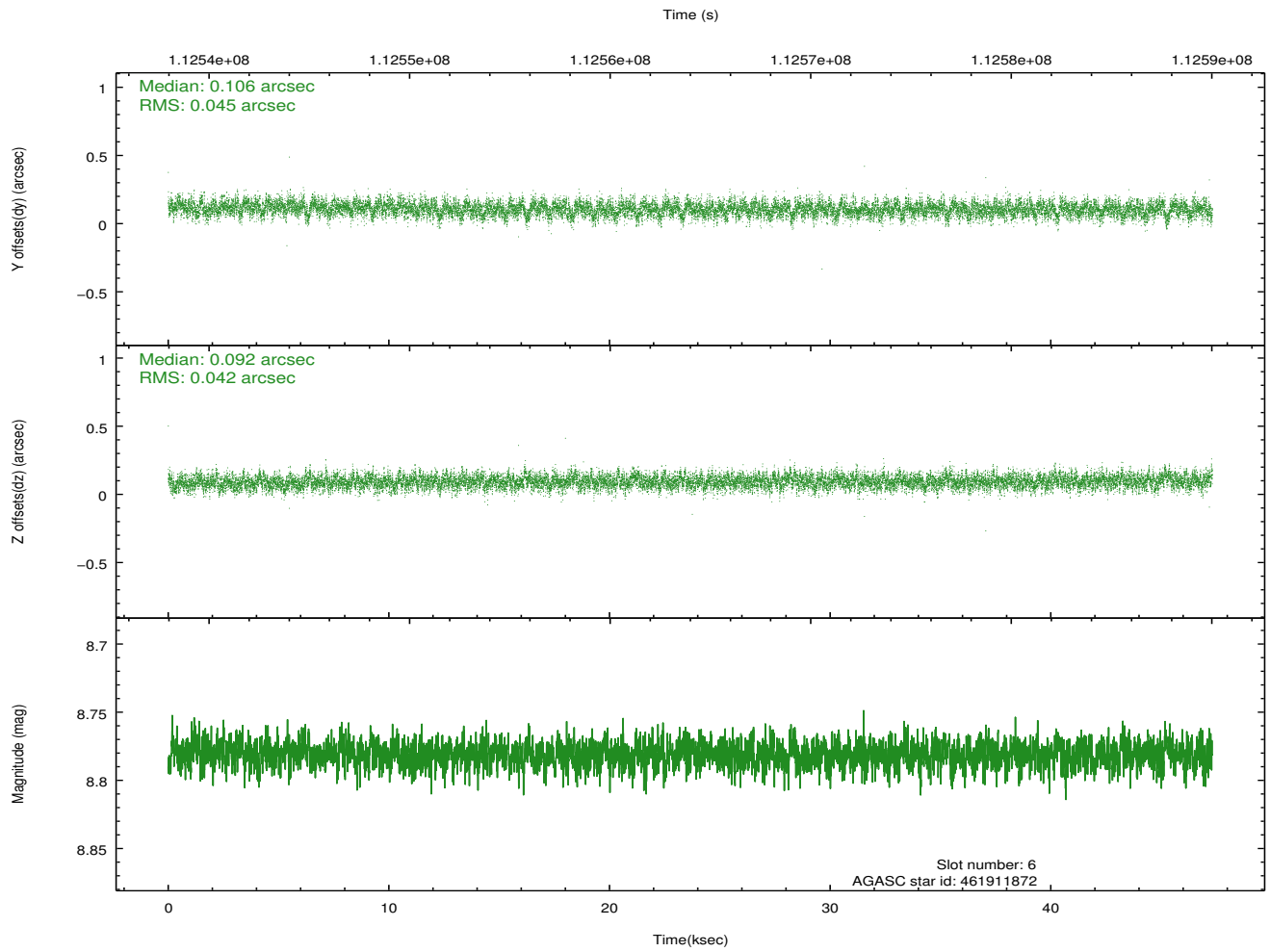
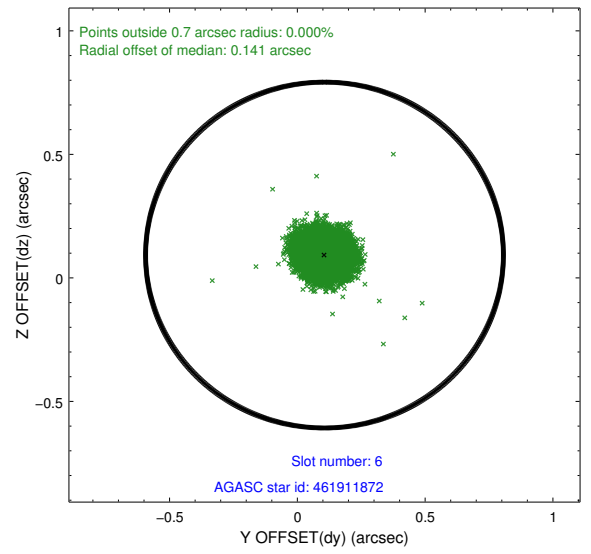
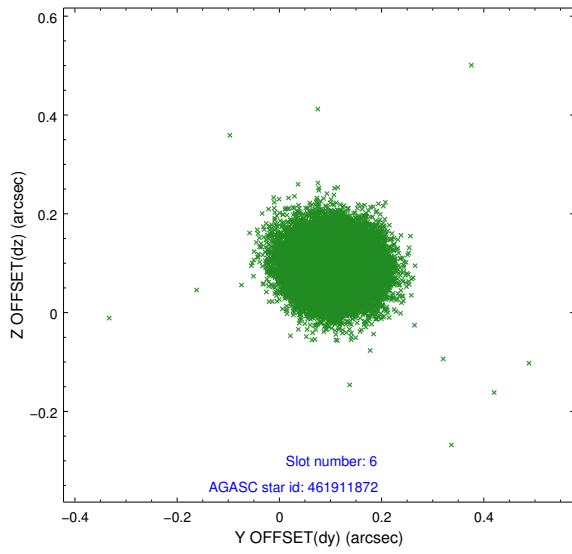
2.4.3 Slot 5



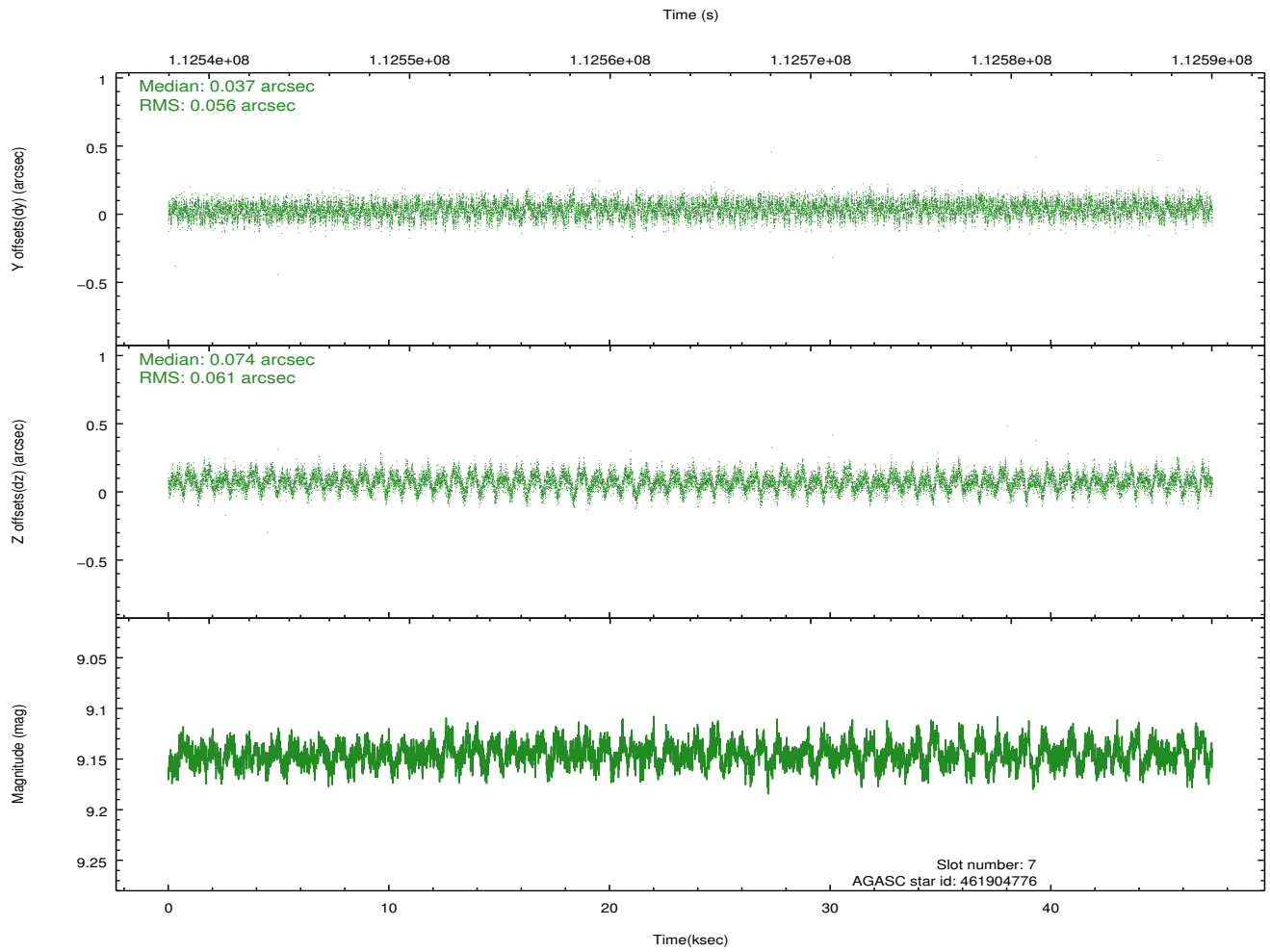
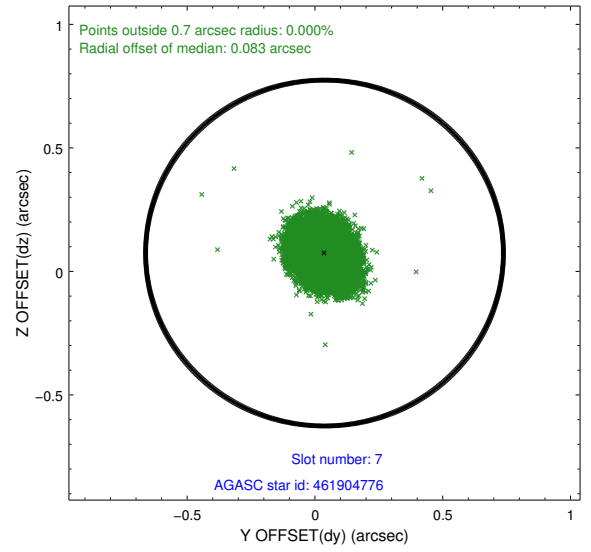
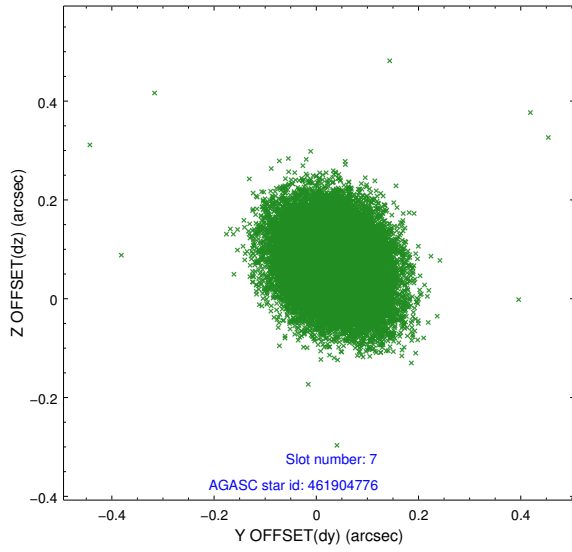
Time (s)



2.4.4 Slot 6

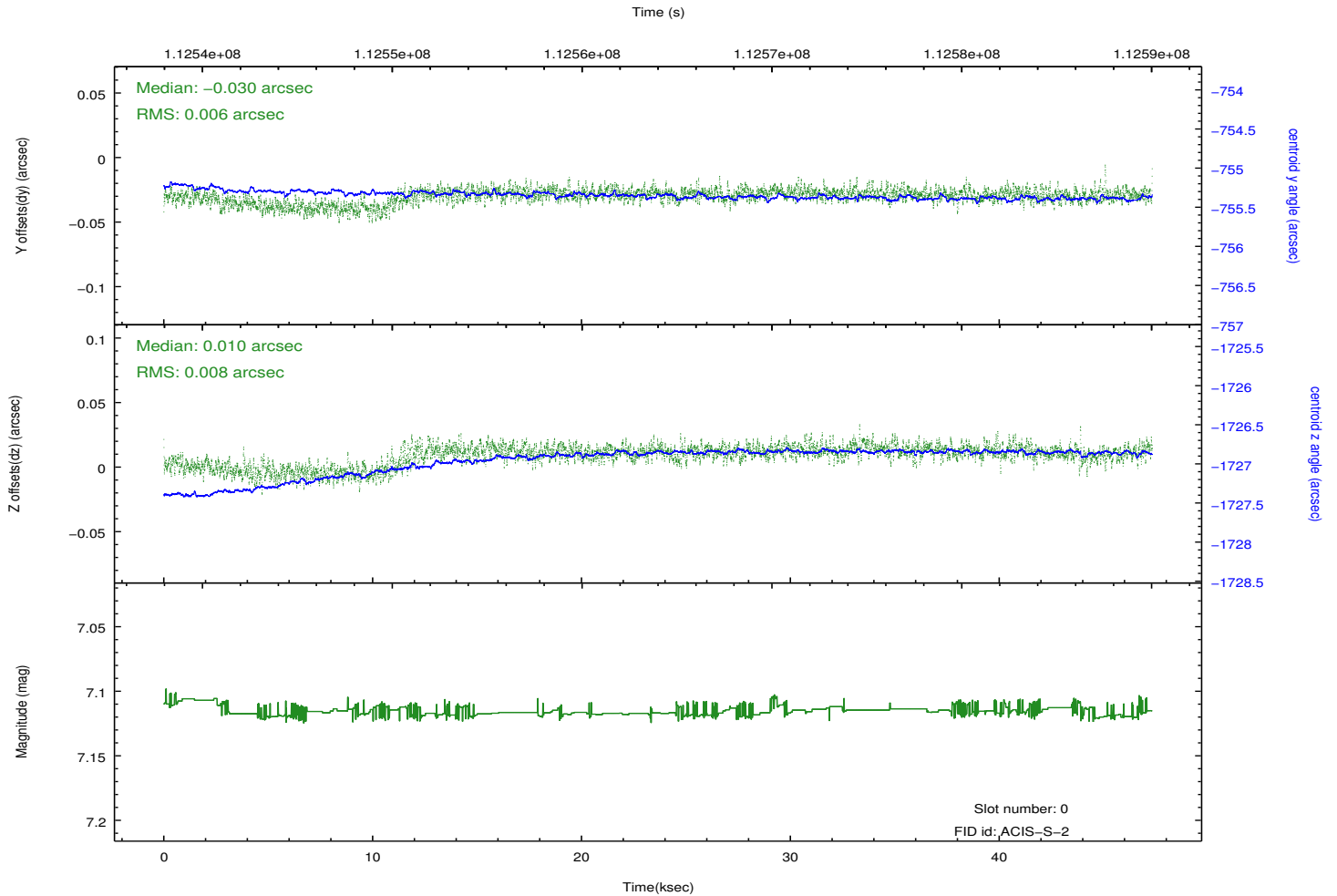
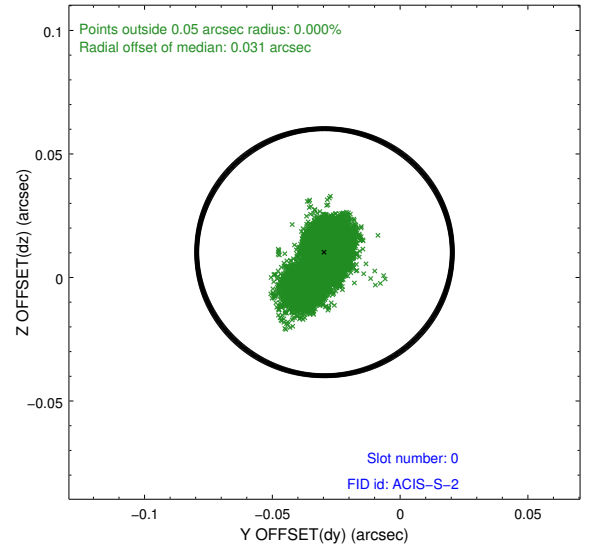
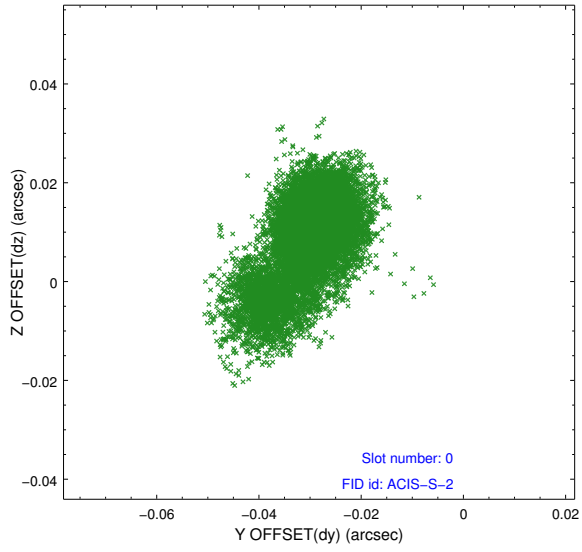


2.4.5 Slot 7

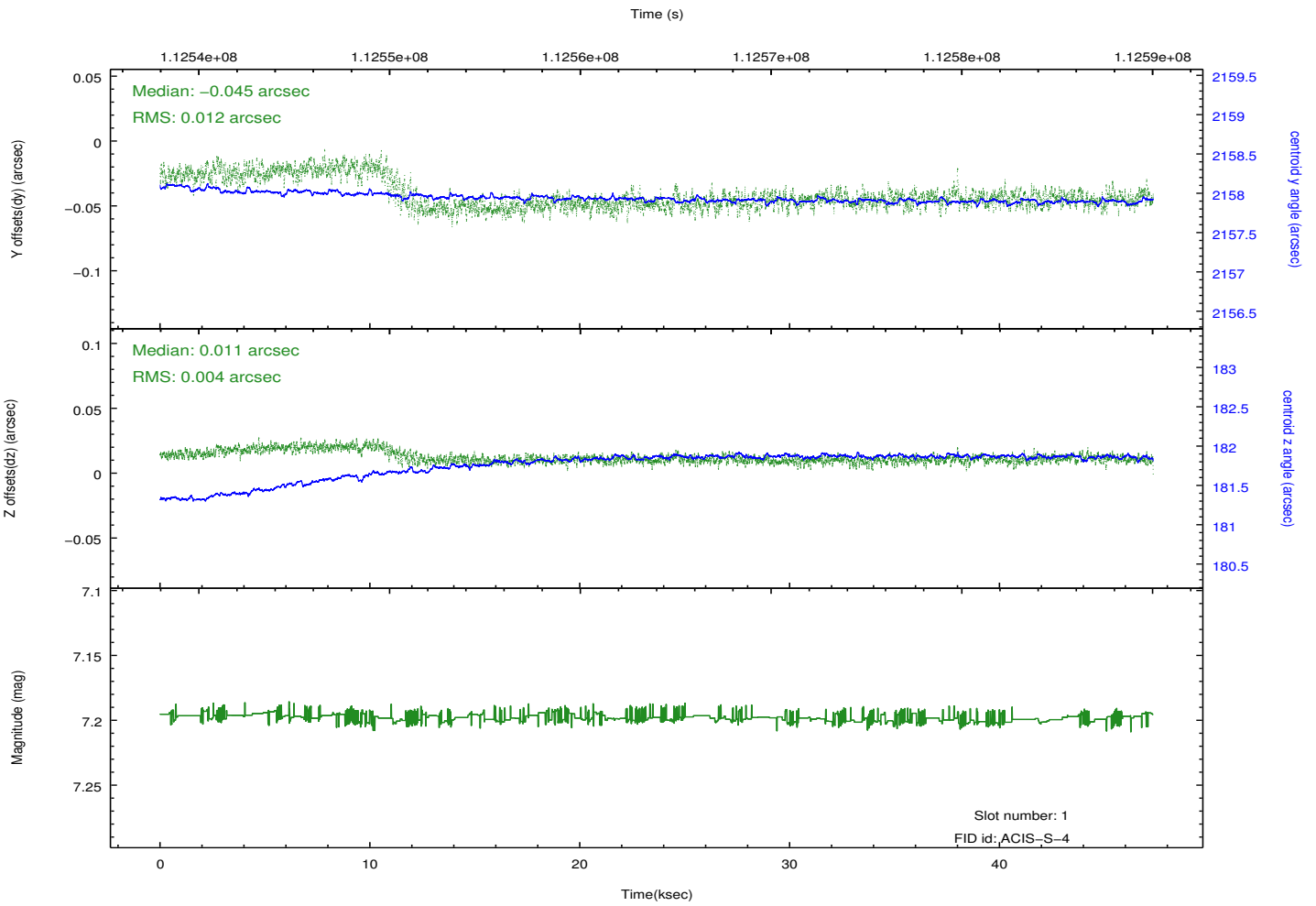
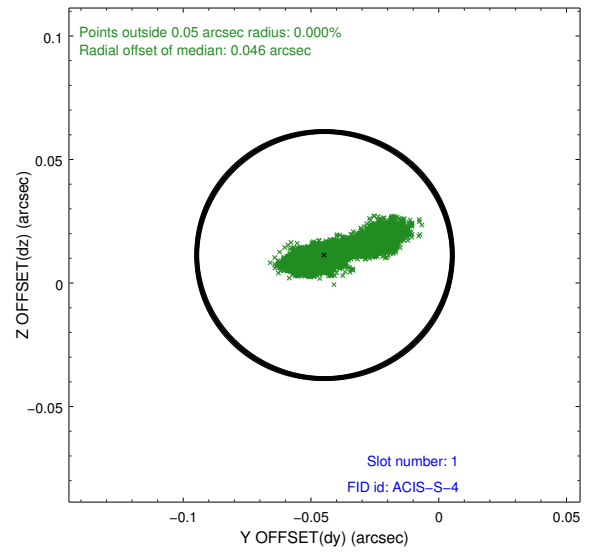
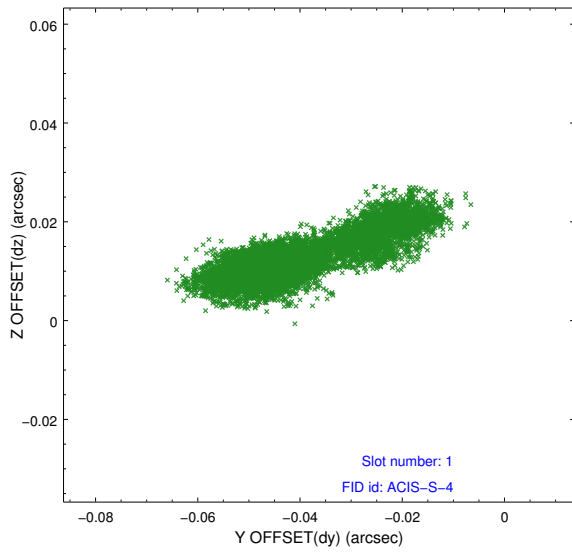


2.5 FID Slots

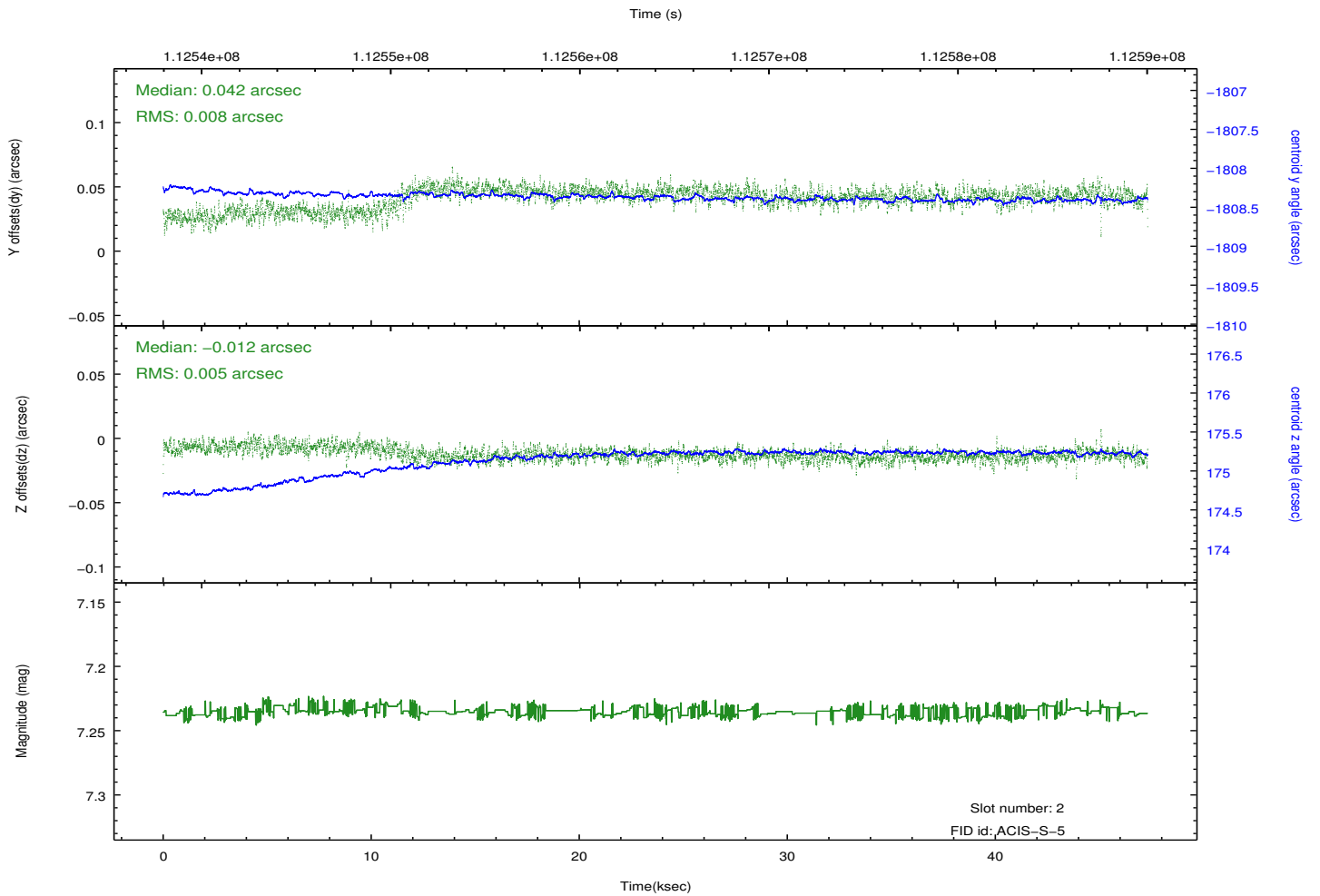
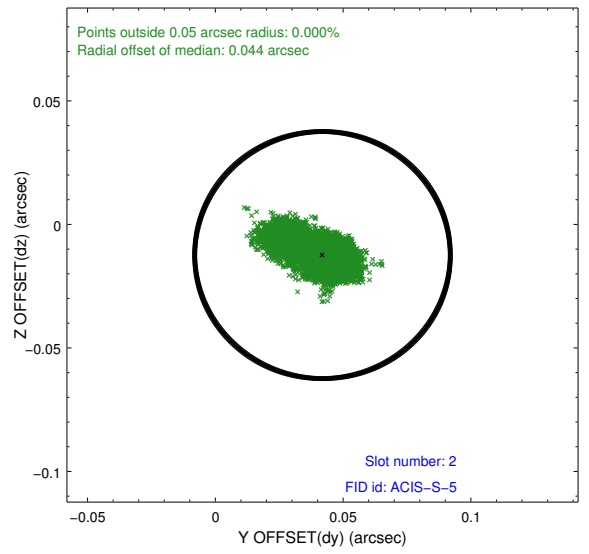
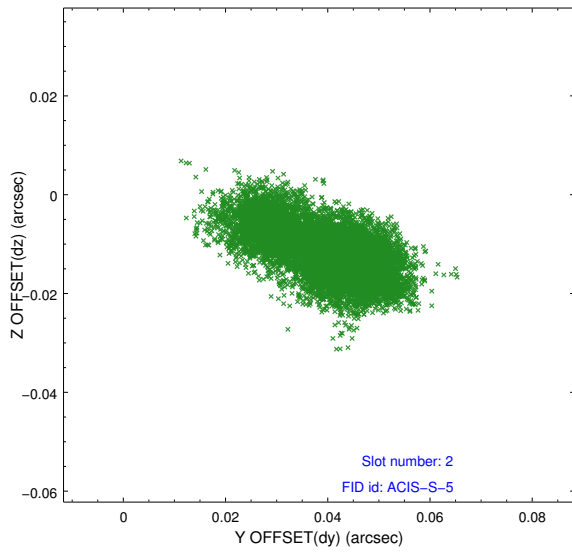
2.5.1 Slot 0



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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.963

A.2 Comments

Remaining exposure time completed with obsid 2503.