

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 514 - L2 Version 4
Chandra X-Ray Center

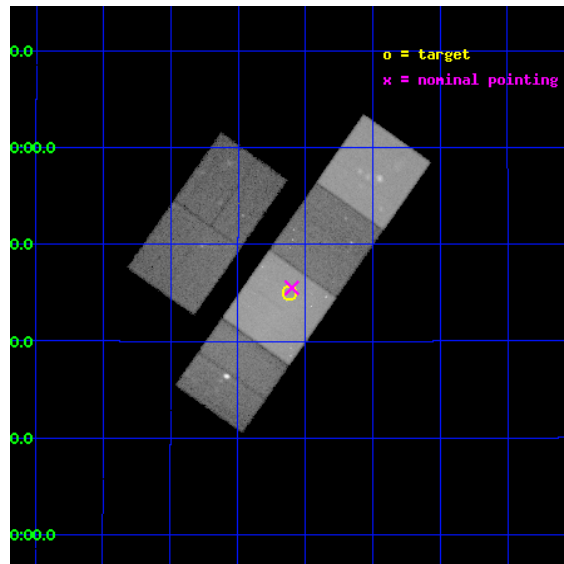
L2 Processing Date : Aug 23 2012

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1 Front

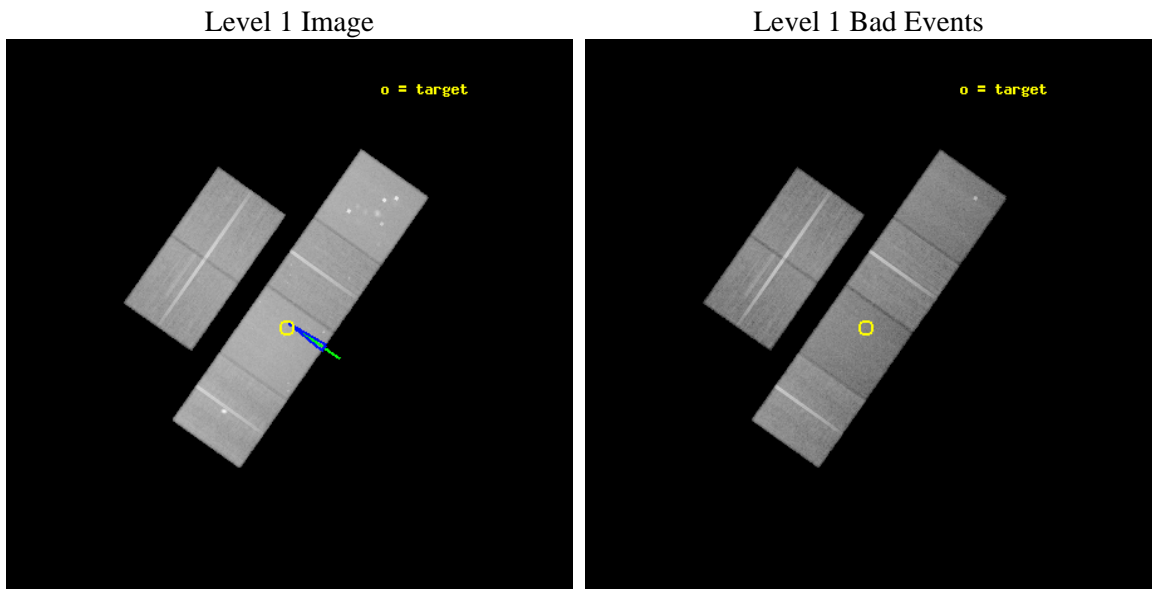
seq_num	800022	Sequence number
obs_id	514	Observation id
title	A1367: A CLUSTER WITH STRUCTURE	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	A1367	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	176.15458	Observer's specified target RA [deg]
dec_targ	19.749444	Observer's specified target Dec [deg]
ra_nom	176.15013322488	Nominal RA [deg]
dec_nom	19.758650155315	Nominal Dec [deg]
roll_nom	125.15813605567	Nominal Roll [deg]
revision	4	Processing version of data
ontime	41049.379824609	Sum of GTIs [s]
livetime	40529.5878603	Livetime [s]
ontime2	41049.420864612	Sum of GTIs [s]
ontime3	41049.256704614	Sum of GTIs [s]
ontime5	41049.338784605	Sum of GTIs [s]
ontime6	41049.297744617	Sum of GTIs [s]
ontime7	41049.379824609	Sum of GTIs [s]
ontime8	41045.974694371	Sum of GTIs [s]
l2events	680575	Number of level 2 events



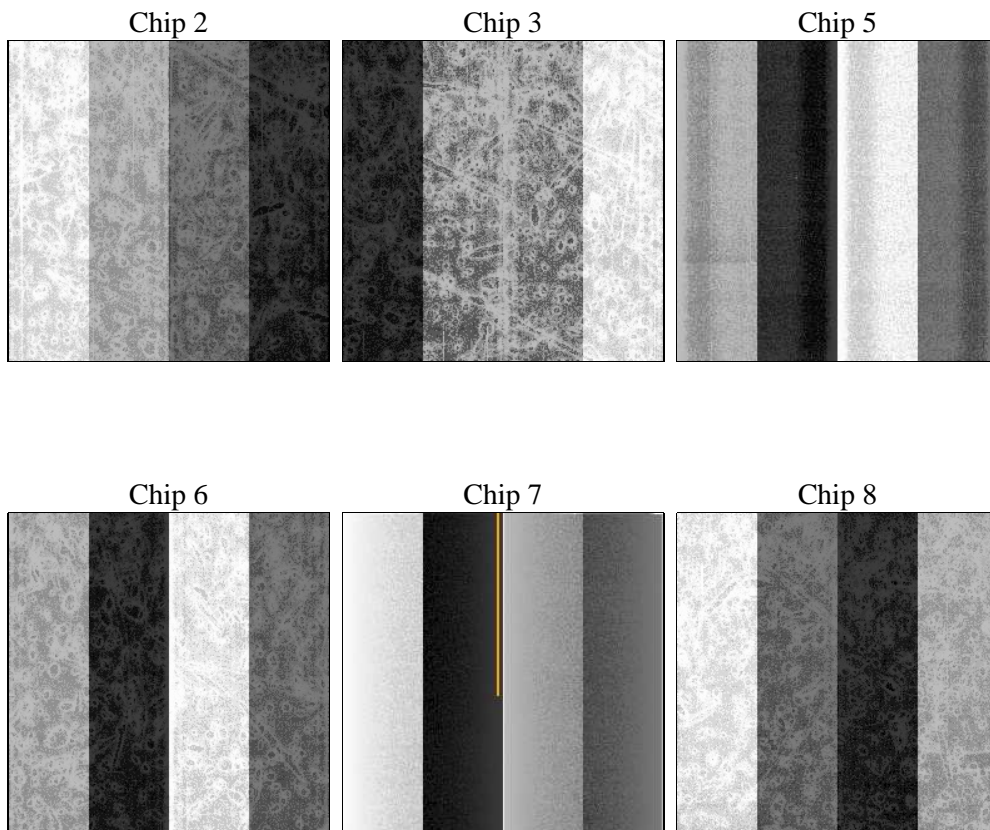
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	42000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	41049.379824609	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	41049.420864612	Sum of GTIs [s]
date	2012-08-23T14:14:34	Date and time of file creation	ontime3	41049.256704614	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	41049.338784605	Sum of GTIs [s]
			ontime6	41049.297744617	Sum of GTIs [s]
			ontime7	41049.379824609	Sum of GTIs [s]
			ontime8	41045.974694371	Sum of GTIs [s]
			l1events	2394496	Number of level 1 events

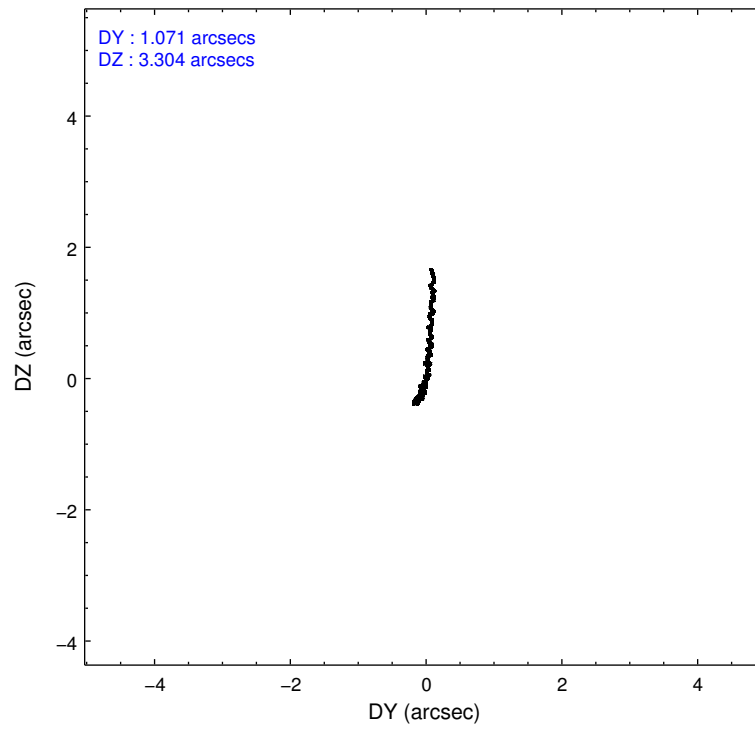
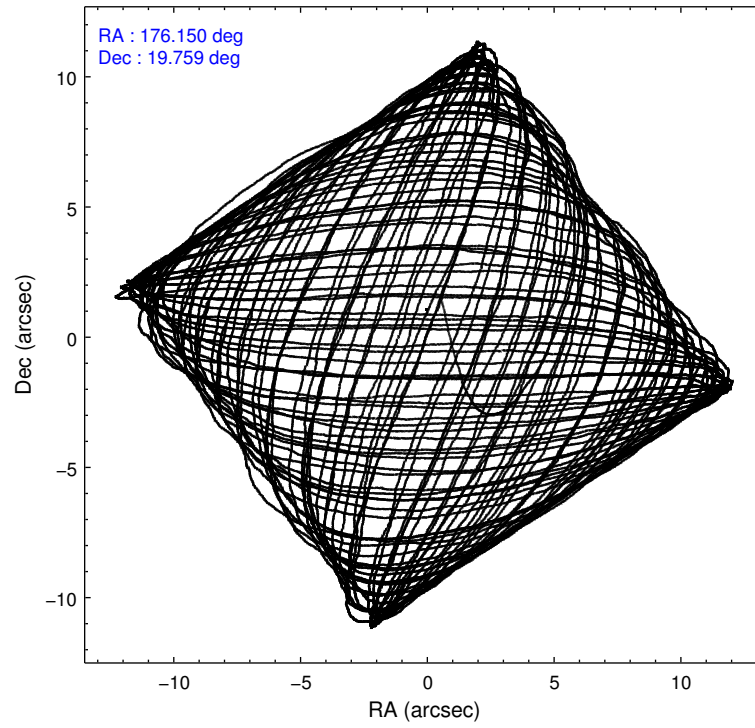
2.1.4 Events

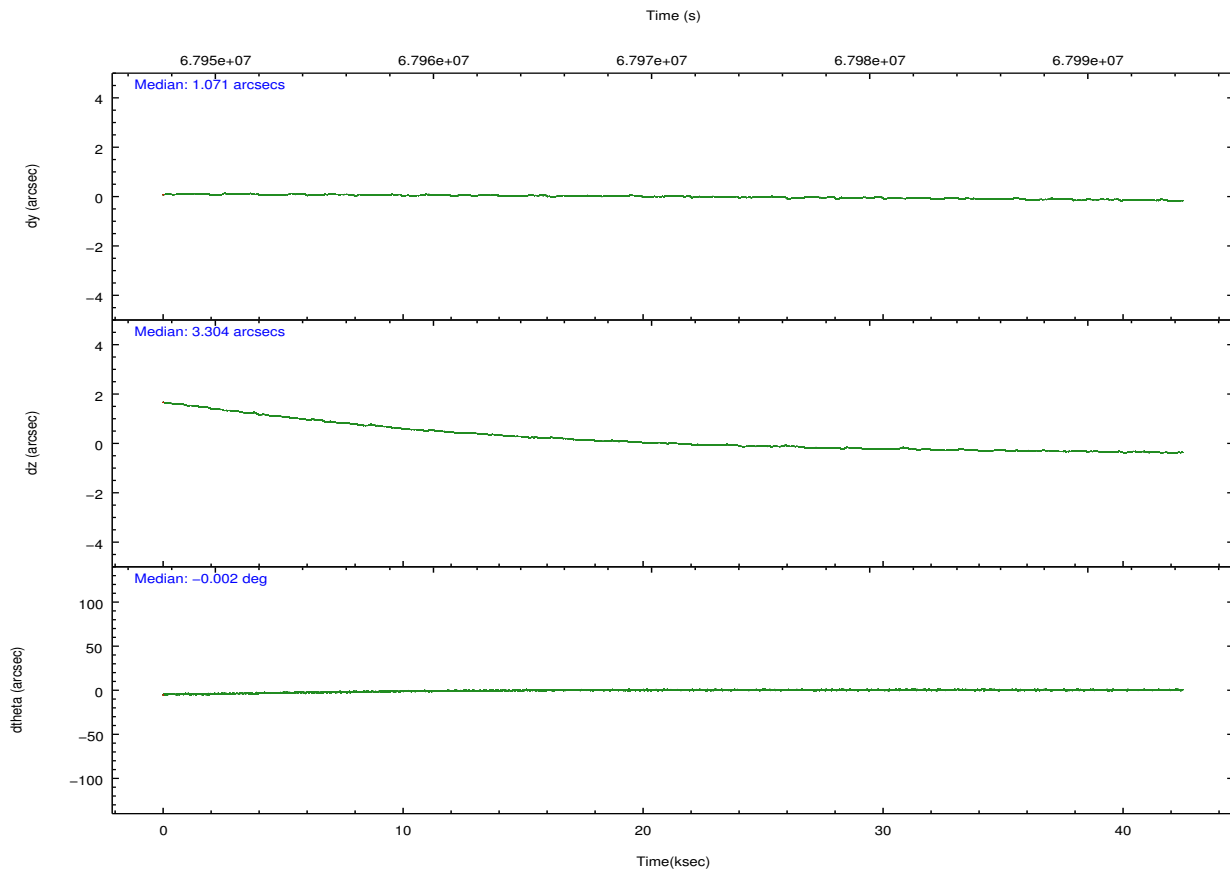
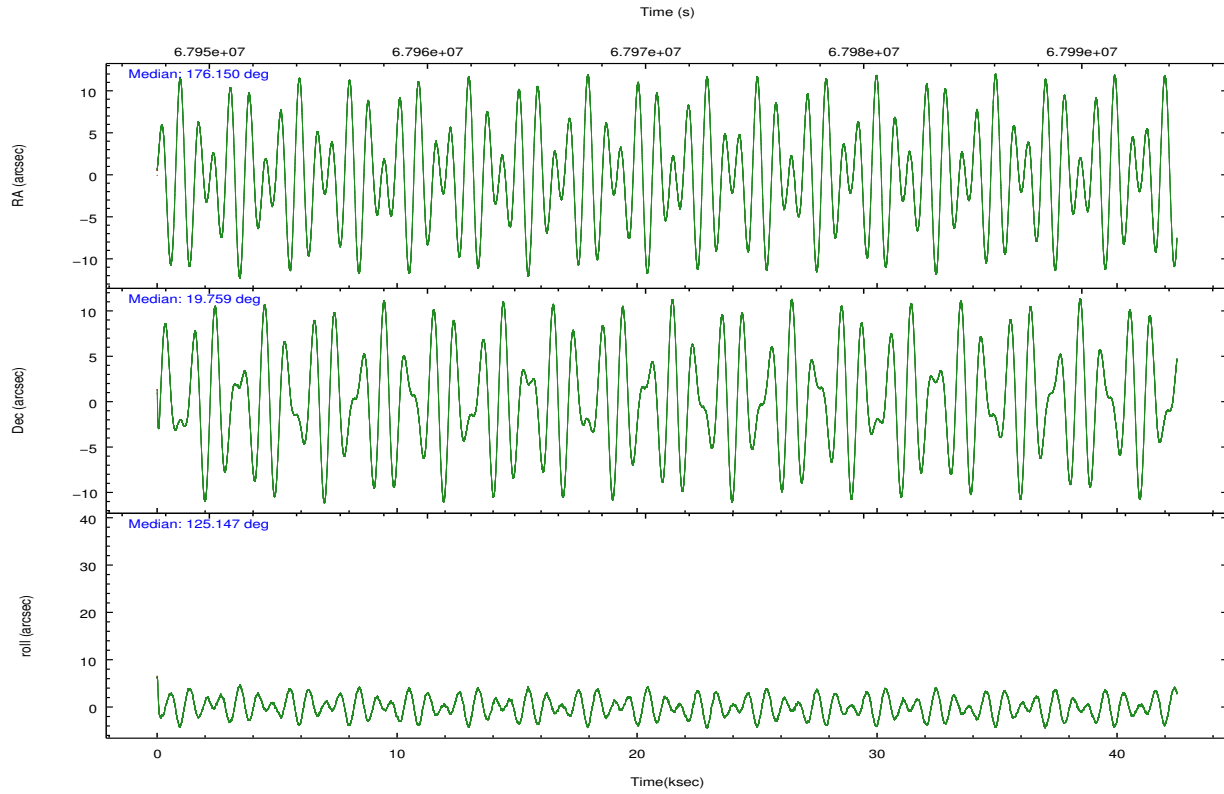
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	344928	334234	456562	355761	463993	439018	grade 0 events	23837	27184	48235	42520	48028	59904
rejected events	300349	286446	214587	288211	209903	321483		6%	8%	10%	11%	10%	13%
rejected %	87%	85%	47%	81%	45%	73%	grade 1 events	180	193	524	273	342	385
								0%	0%	0%	0%	0%	0%
							grade 2 events	8077	7555	68878	9597	55953	19387
								2%	2%	15%	2%	12%	4%
							grade 3 events	3502	3628	12143	4324	25838	9504
								1%	1%	2%	1%	5%	2%
							grade 4 events	3463	3676	11910	4207	25502	8921
								1%	1%	2%	1%	5%	2%
							grade 5 events	9594	10344	31166	11567	35451	14747
								2%	3%	6%	3%	7%	3%
							grade 6 events	5707	5749	100827	6908	98796	19854
								1%	1%	22%	1%	21%	4%
							grade 7 events	290568	275905	182879	276365	174083	306316
								84%	82%	40%	77%	37%	69%

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	176.176643	176.150133224877	Subarray requested	NONE	NONE
[deg] Pointing Dec	19.747100	19.75865015531502	Alternating exposures requested	N	N
[deg] Pointing Roll	124.992546	125.1581360556651	[s] Primary exposure time	0.000000	3.2
[deg] Roll angle	125.000000	125.000000			
[deg] Roll tolerance	5.000000	5.000000			
Roll constraint allows 180D rotation	N	N			
[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)	67950231.184000	67949107.52922501			
Observation start date	2000-02-26T11:02:47	2000-02-26T10:45:07			
[s] Observation end time (MET)	67992231.184000	67993128.20583101			
Observation end date	2000-02-26T22:42:47	2000-02-26T22:58:48			
Read mode	TIMED	TIMED			

2.3 Aspect



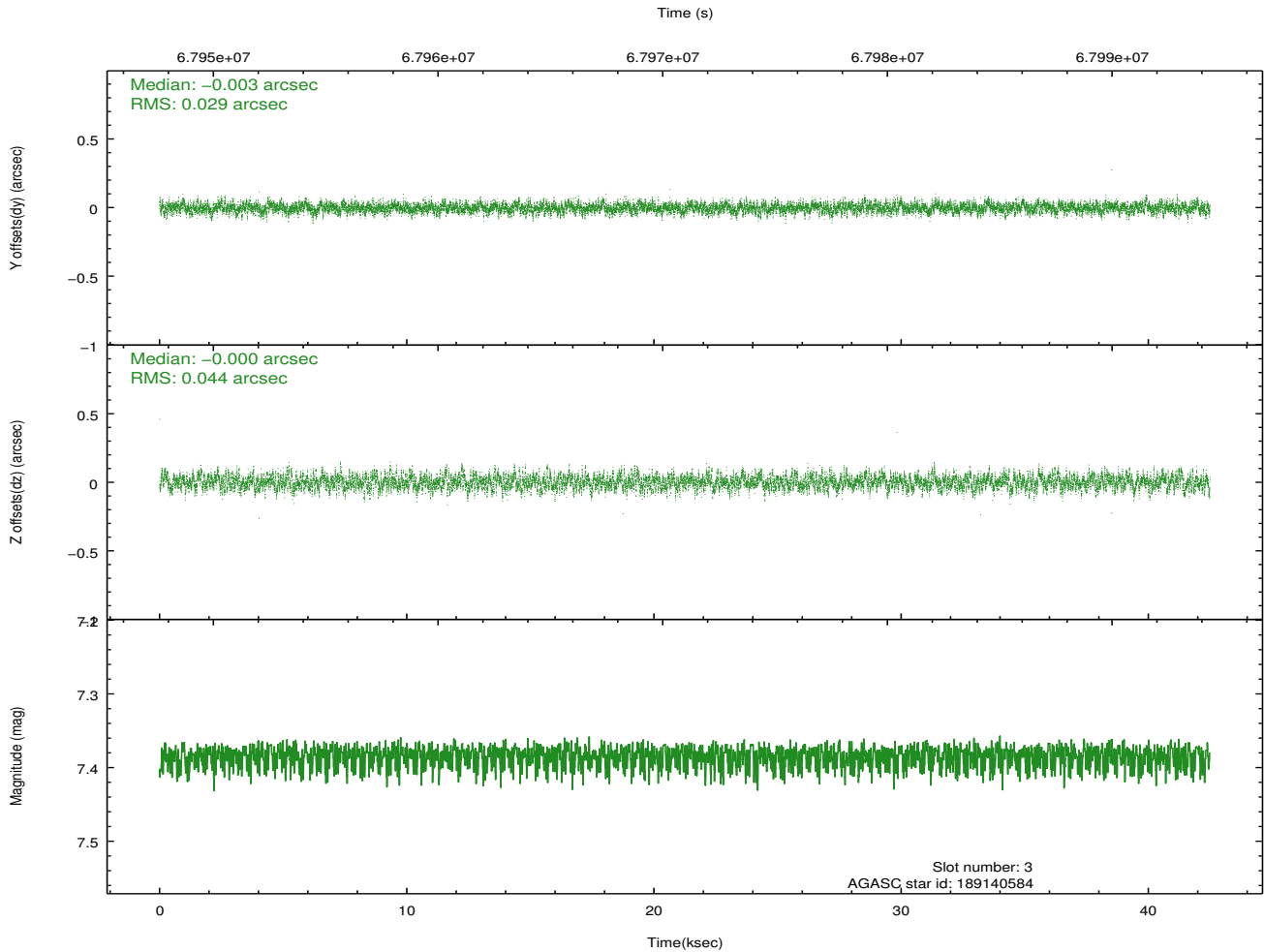
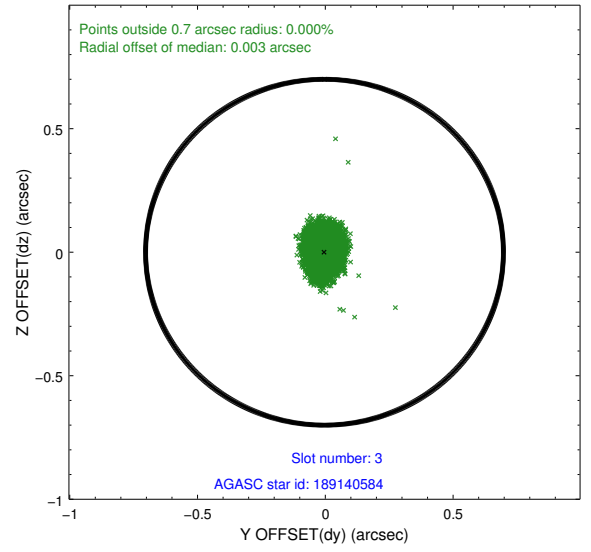
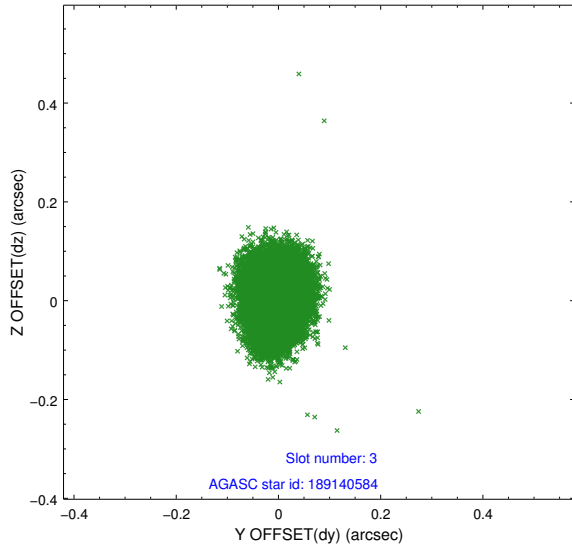


Slot Statistics

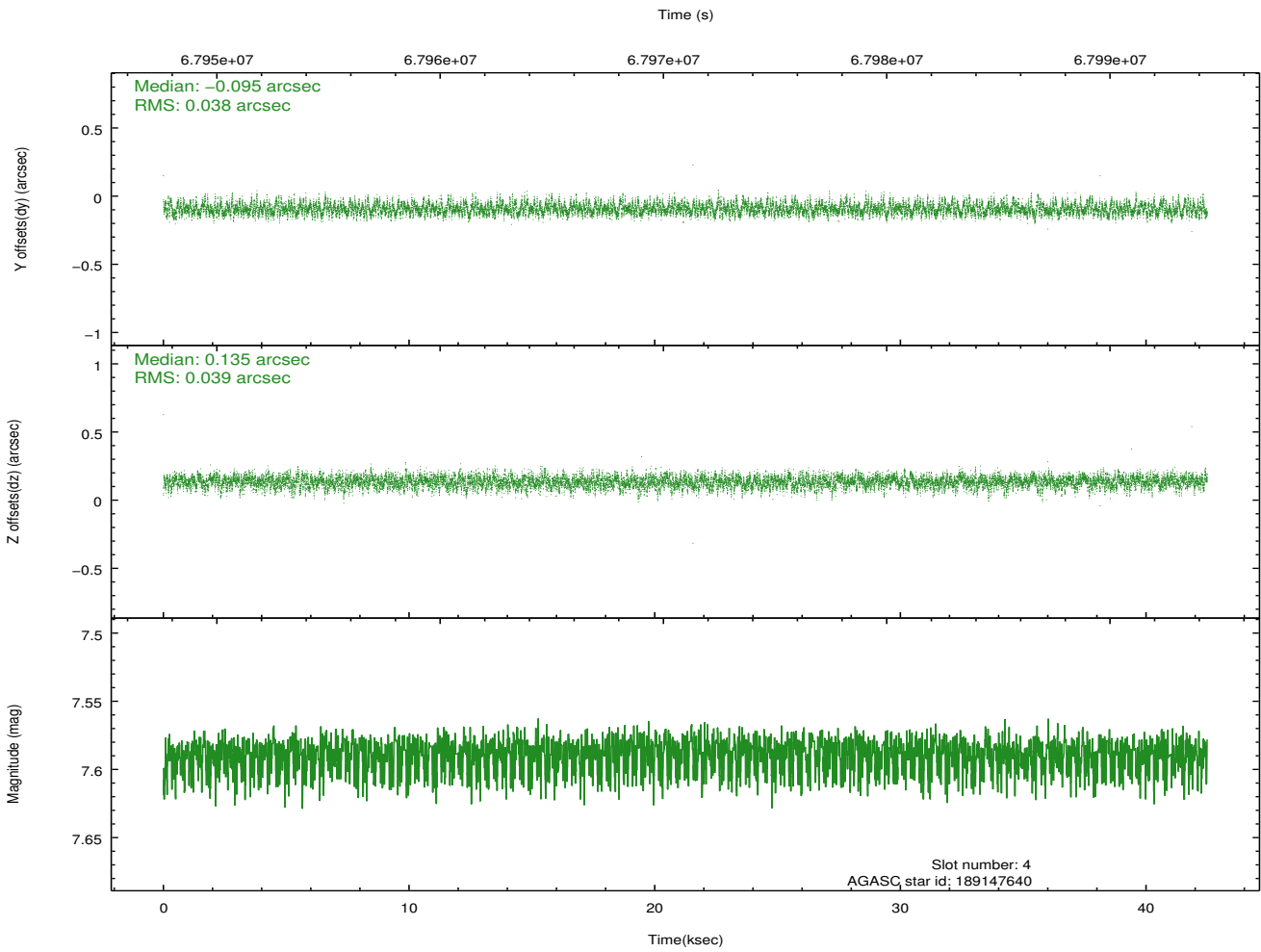
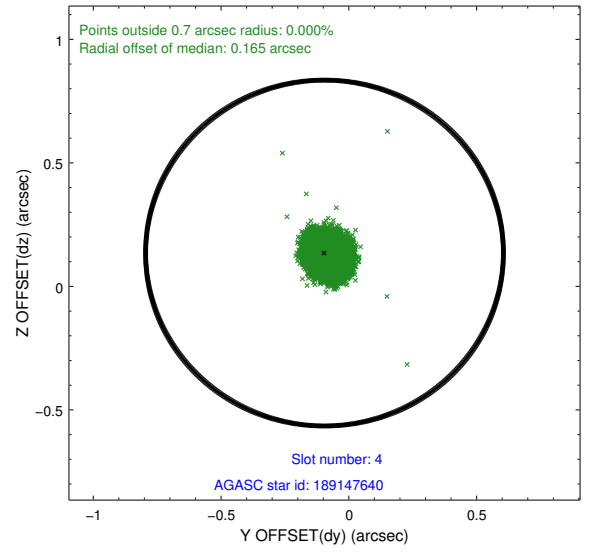
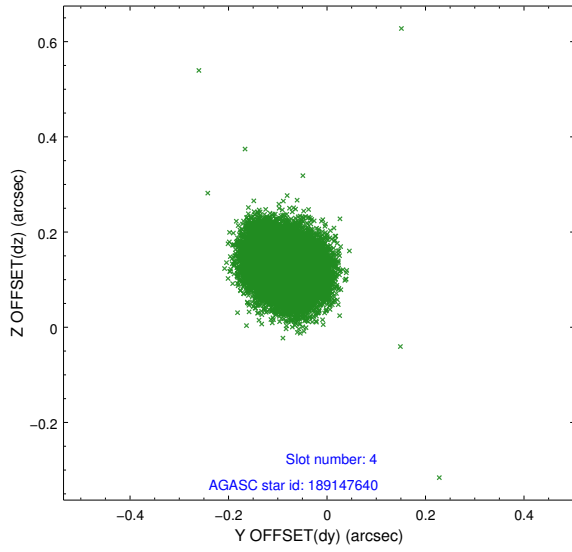
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	10363	-0.005	-0.015	0.009	0.022	0.000000	0.000000	-753.70	-1724.53
1	FID	ACIS-S-4	7.21	10362	0.003	0.006	0.007	0.013	0.000000	0.000000	2159.63	183.89
2	FID	ACIS-S-5	7.24	10363	-0.029	0.017	0.008	0.019	0.000000	0.000000	-1806.51	177.68
3	GUIDE	189140584	7.39	20727	-0.003	-0.000	0.056	0.093	176.337611	19.889196	107.22	-739.75
4	GUIDE	189147640	7.59	20727	-0.095	0.135	0.057	0.093	176.540349	20.319236	984.95	-2187.44
5	GUIDE	189139352	8.75	20720	0.064	-0.080	0.065	0.105	176.255936	19.500124	-882.29	289.20
6	GUIDE	189137016	8.95	20718	0.032	-0.052	0.081	0.125	176.017714	19.173647	-1381.17	1626.33
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

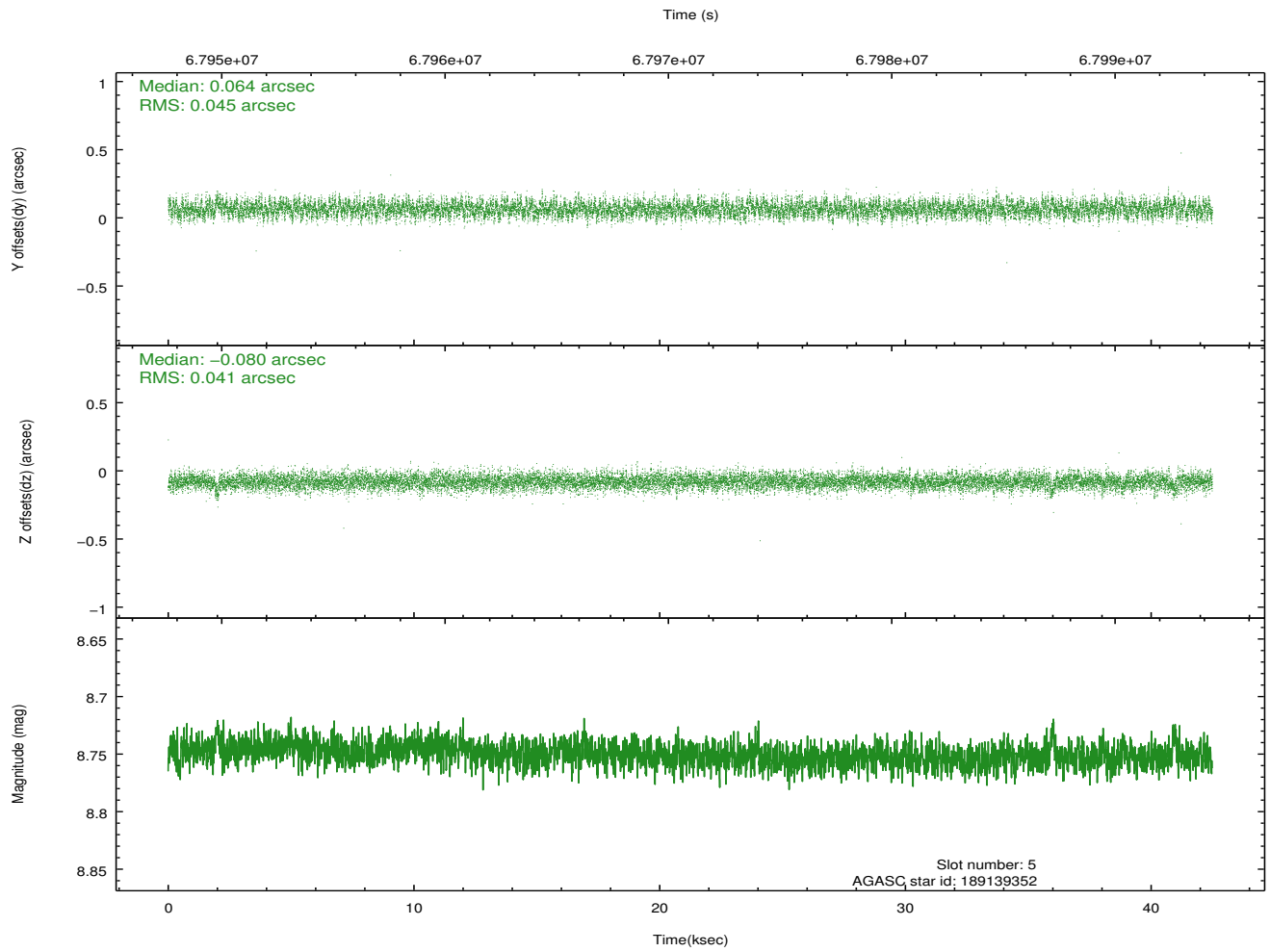
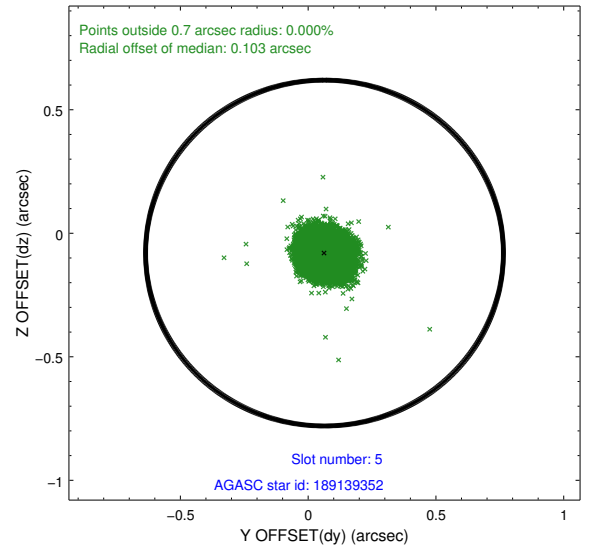
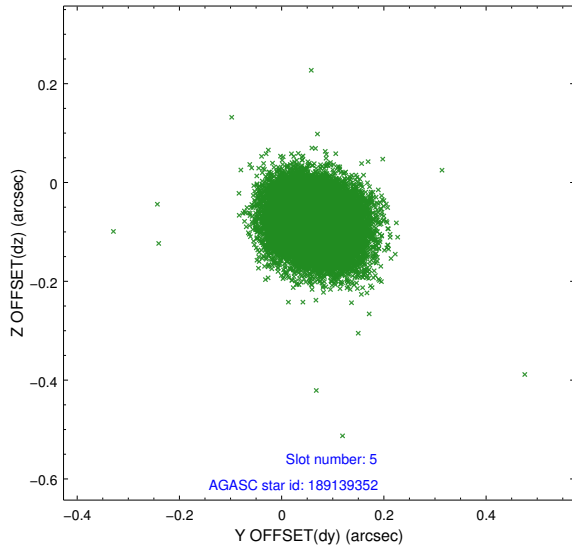
2.4.1 Slot 3



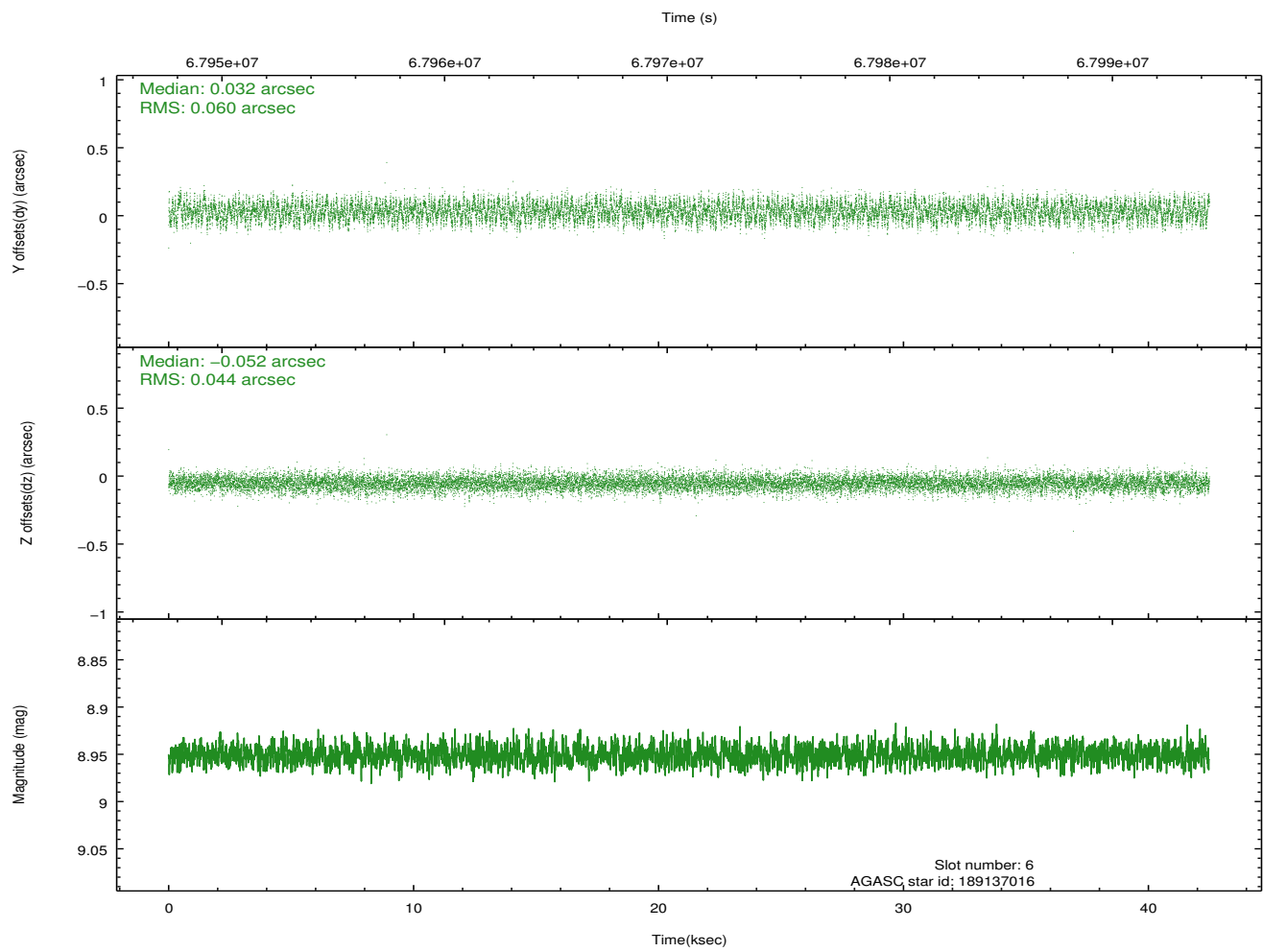
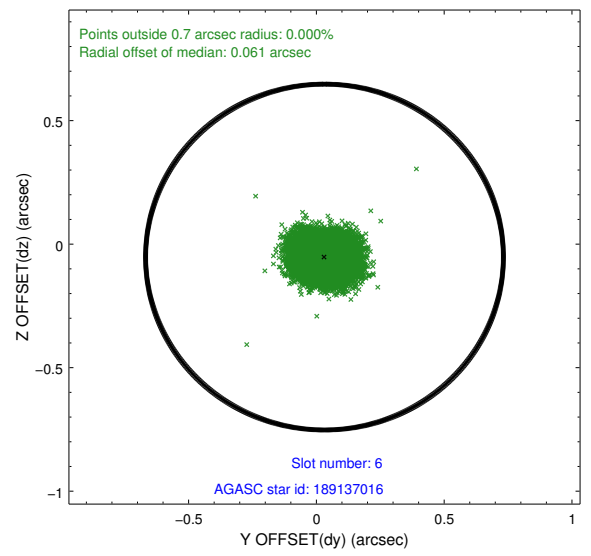
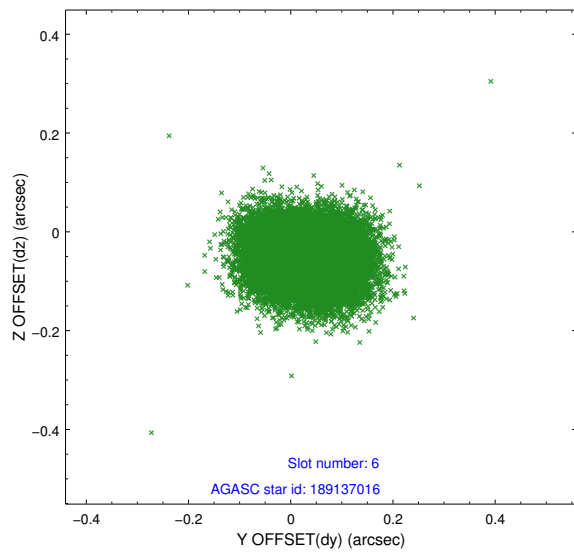
2.4.2 Slot 4



2.4.3 Slot 5

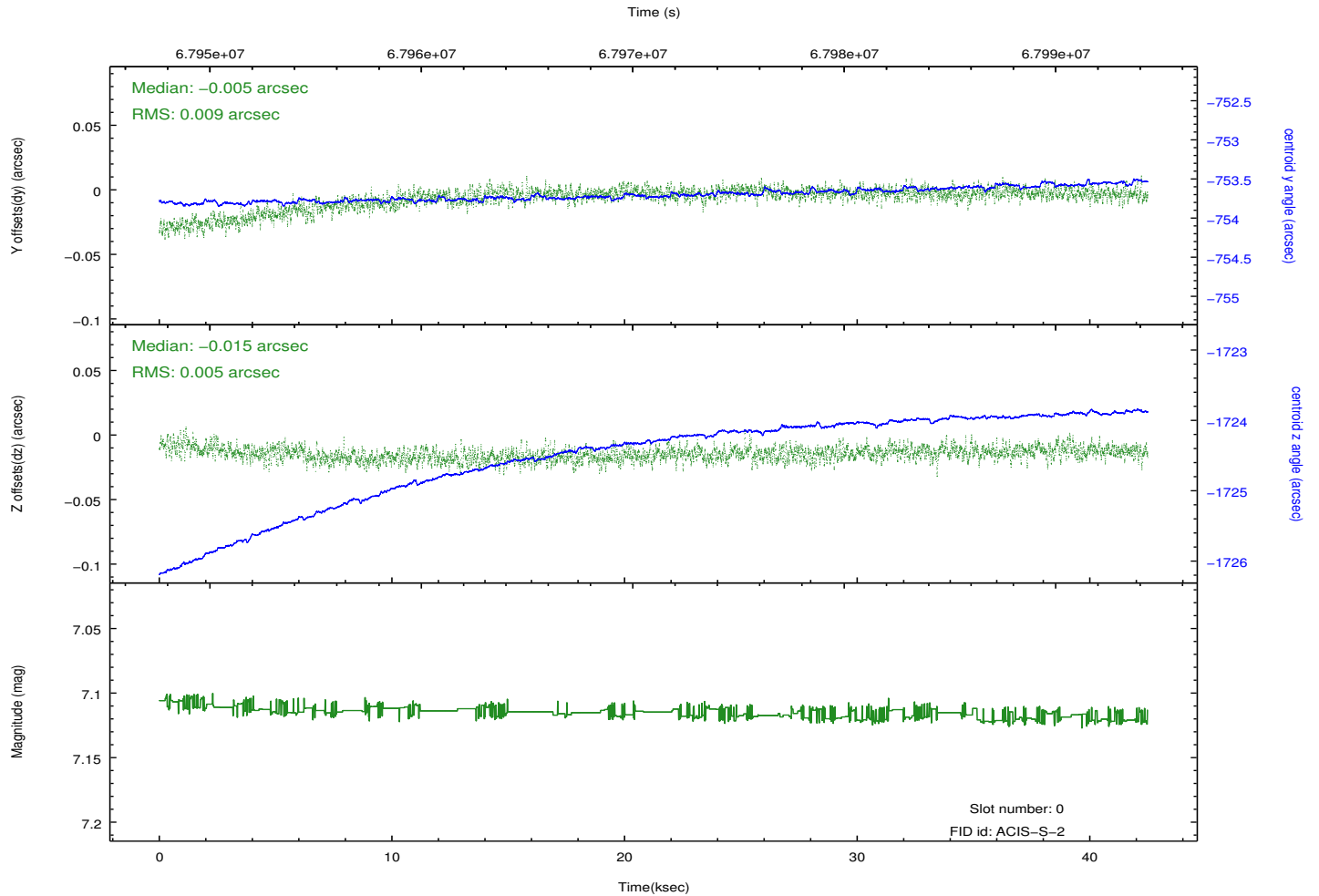
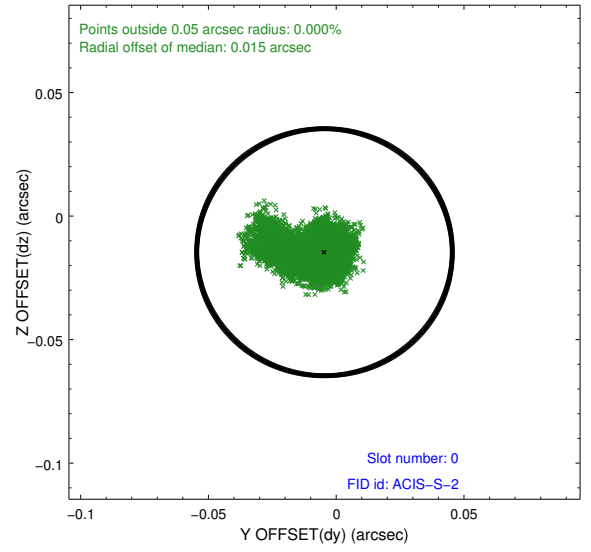
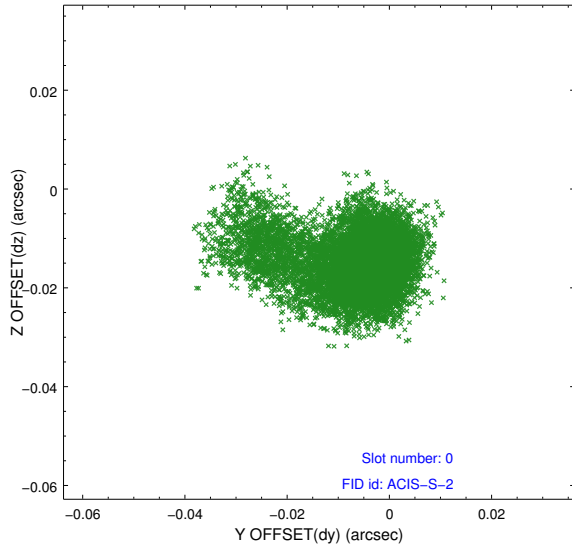


2.4.4 Slot 6

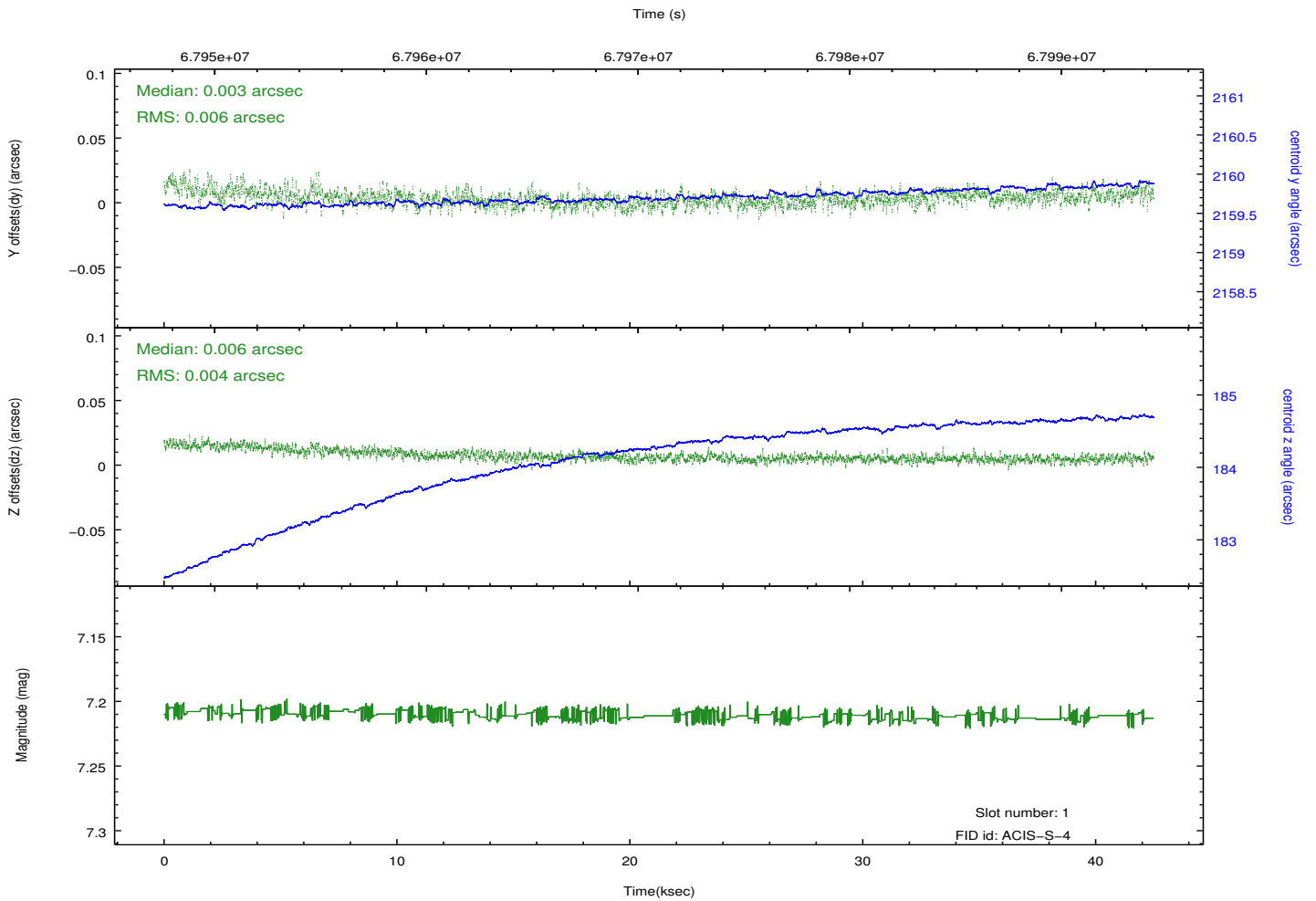
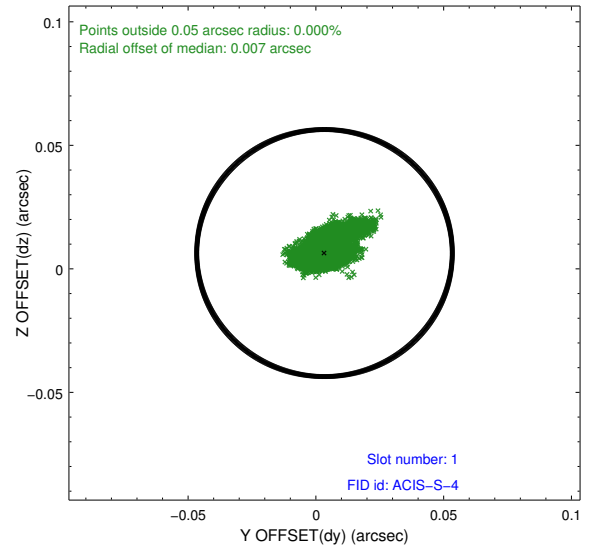
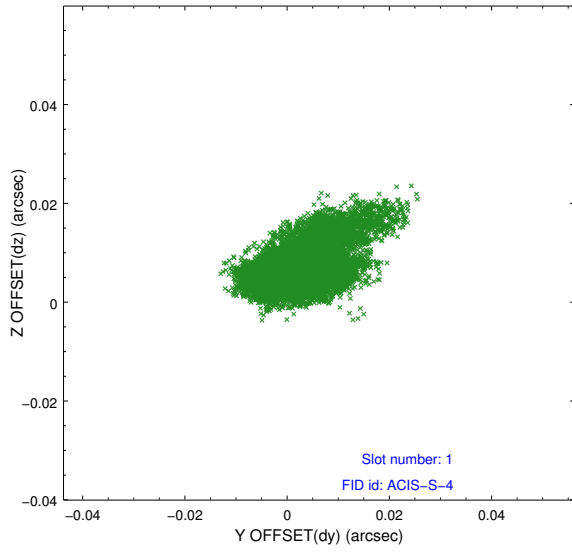


2.5 FID Slots

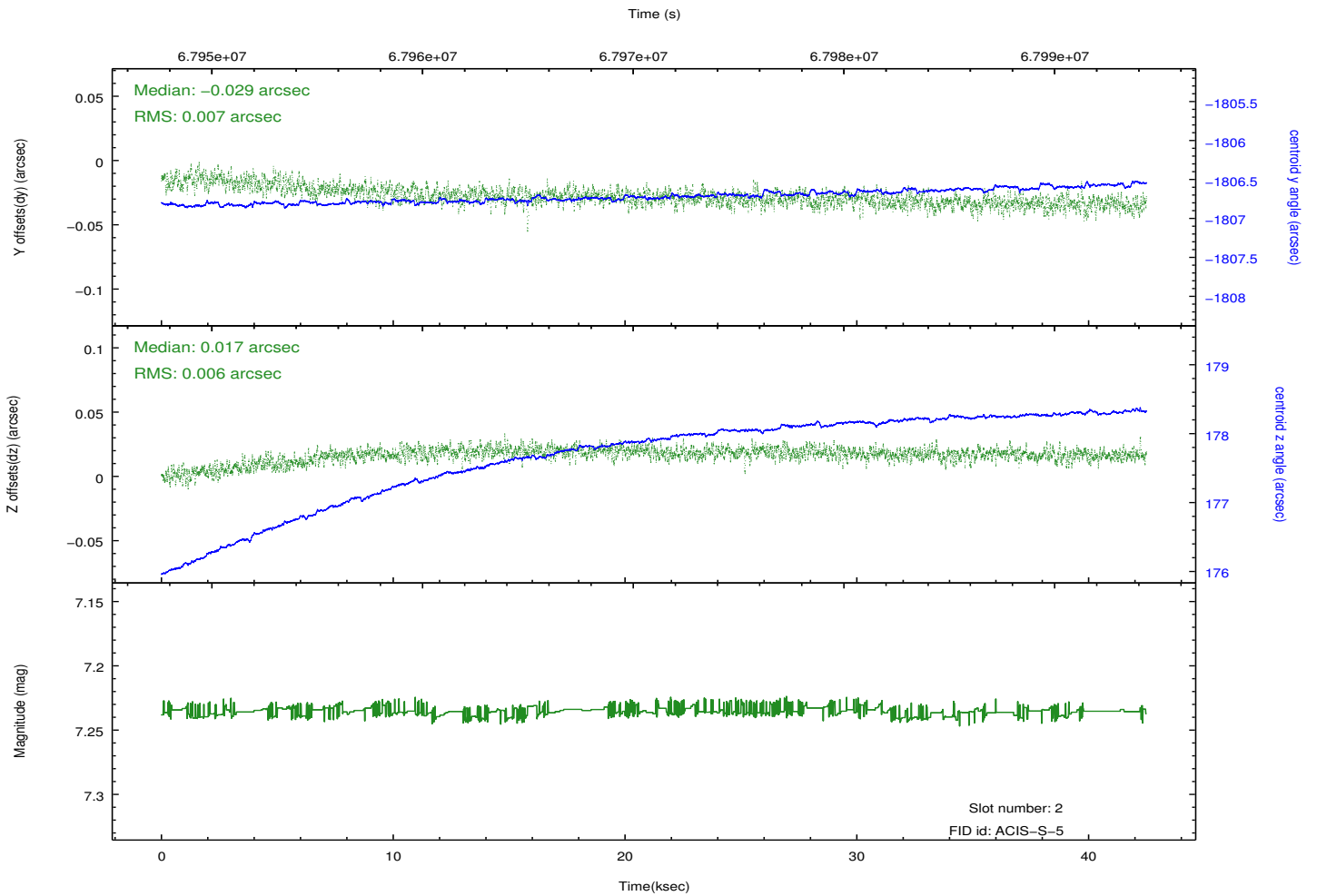
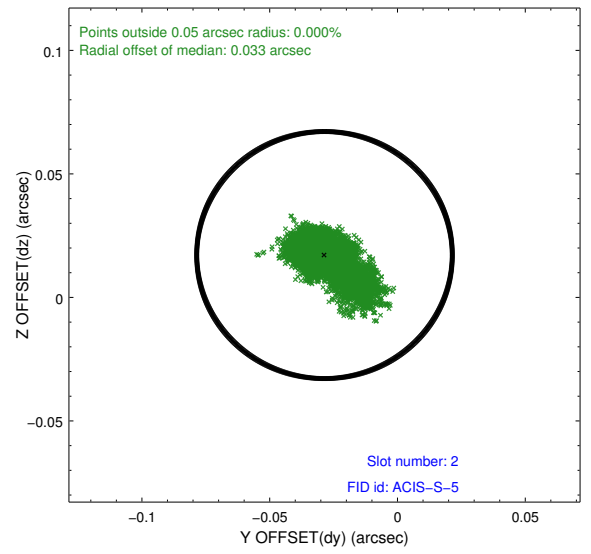
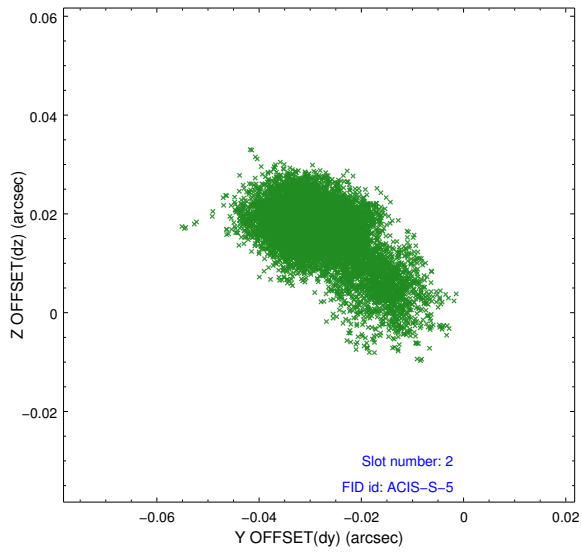
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.046

A.2 Comments

Roll constraint met.