

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1729 - L2 Version 4
Chandra X-Ray Center

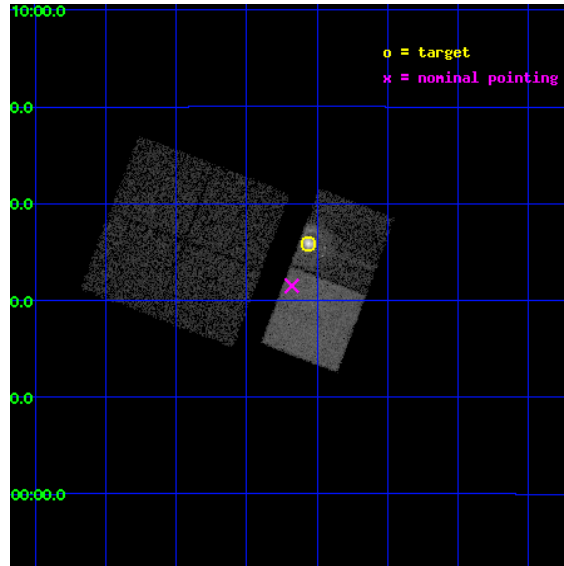
L2 Processing Date : Aug 28 2012

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1 Front

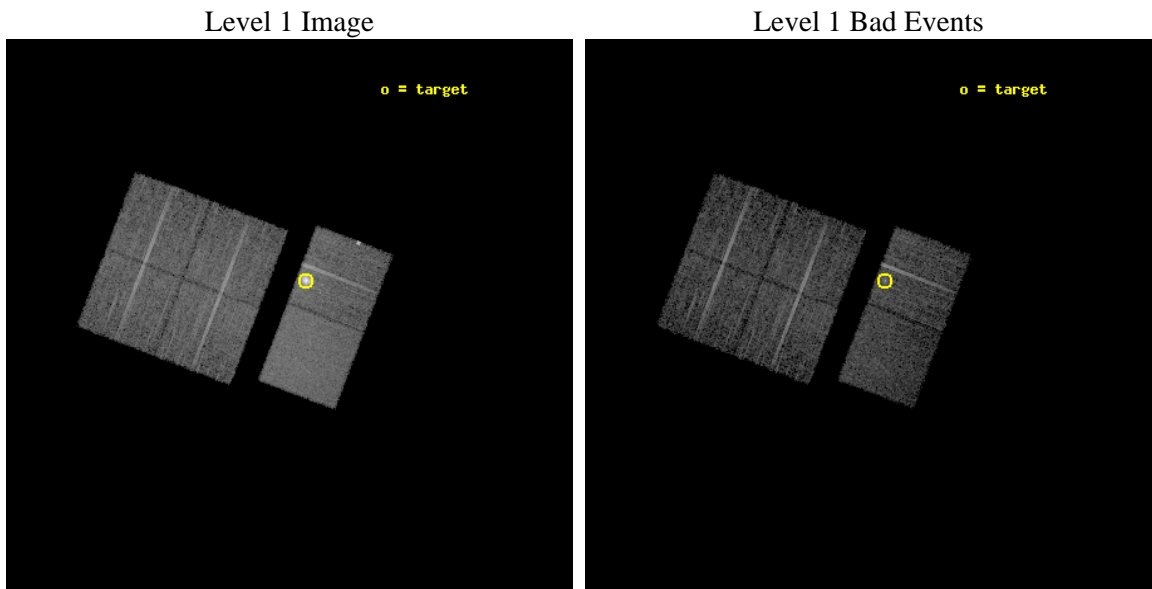
seq_num	590182	Sequence number
obs_id	1729	Observation id
title	HRC RESPONSE TO CONTINUUM SOURCE.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S2, T=120, Offsets=5,0,3]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.41967910486	Nominal RA [deg]
dec_nom	-10.641744896775	Nominal Dec [deg]
roll_nom	110.89342165141	Nominal Roll [deg]
revision	4	Processing version of data
ontime	7663.9827306569	Sum of GTIs [s]
livetime	7566.9367666249	Livetime [s]
ontime0	7660.7590368837	Sum of GTIs [s]
ontime1	7663.8596305698	Sum of GTIs [s]
ontime2	7663.9006506652	Sum of GTIs [s]
ontime3	7663.9416906685	Sum of GTIs [s]
ontime6	7663.9827306569	Sum of GTIs [s]
ontime7	7664.0000071228	Sum of GTIs [s]
l2events	74047	Number of level 2 events



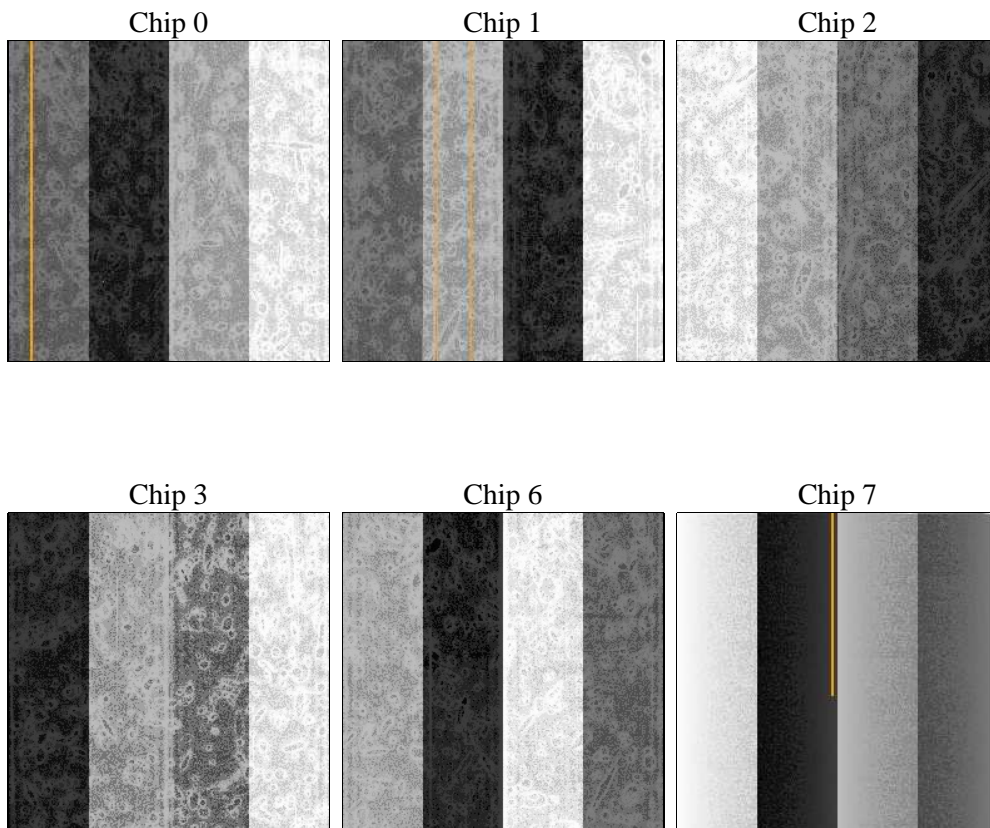
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7663.9827306569	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	7660.7590368837	Sum of GTIs [s]
date	2012-08-28T04:40:48	Date and time of file creation	ontime1	7663.8596305698	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	7663.9006506652	Sum of GTIs [s]
			ontime3	7663.9416906685	Sum of GTIs [s]
			ontime6	7663.9827306569	Sum of GTIs [s]
			ontime7	7664.0000071228	Sum of GTIs [s]
			l1events	317747	Number of level 1 events

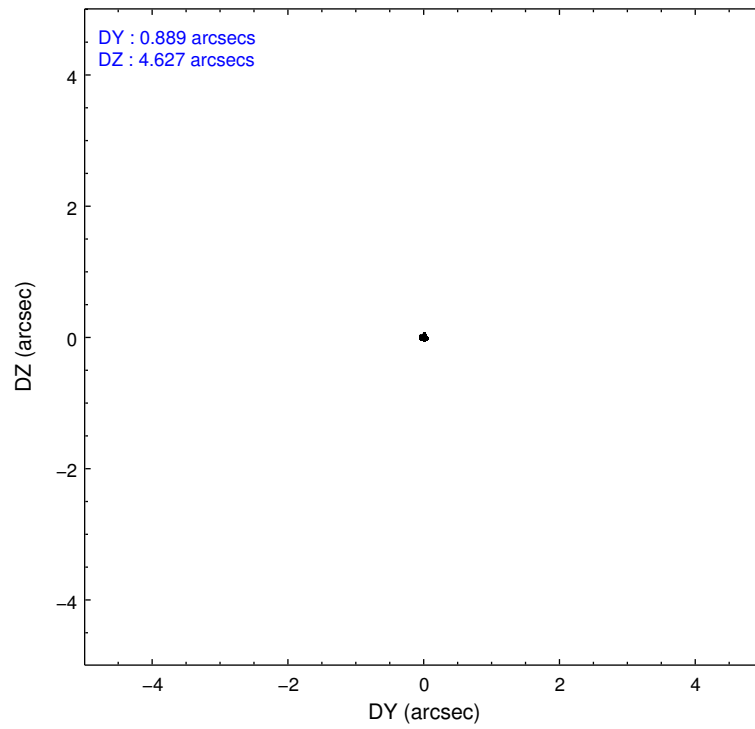
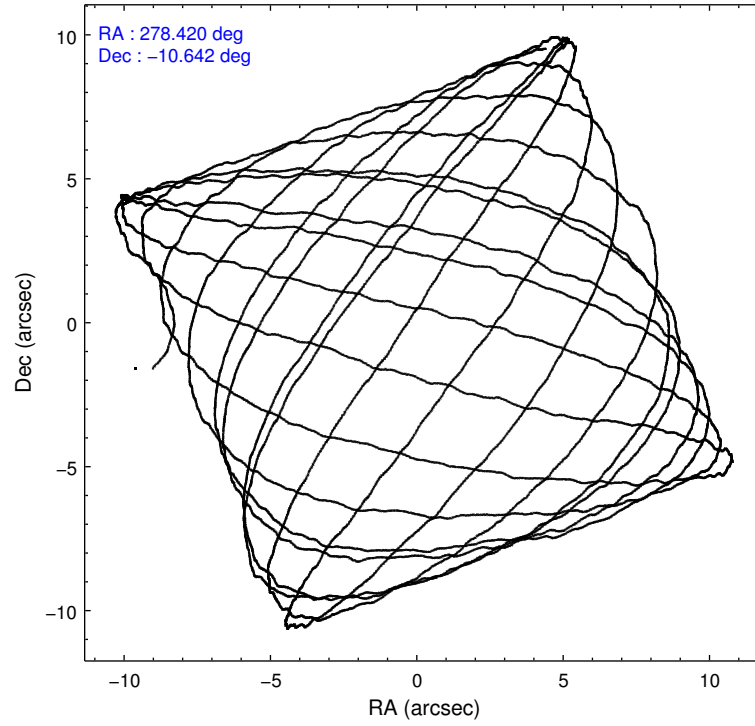
2.1.4 Events

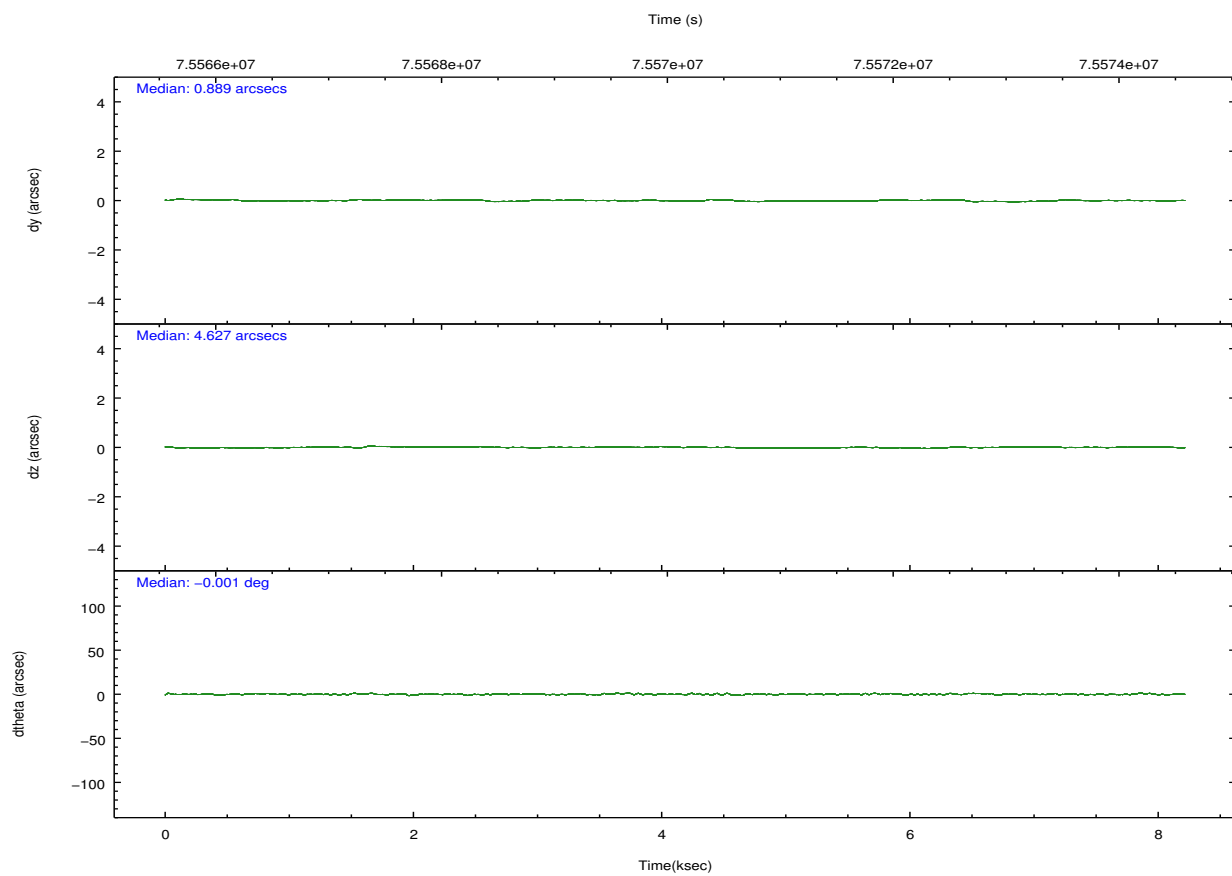
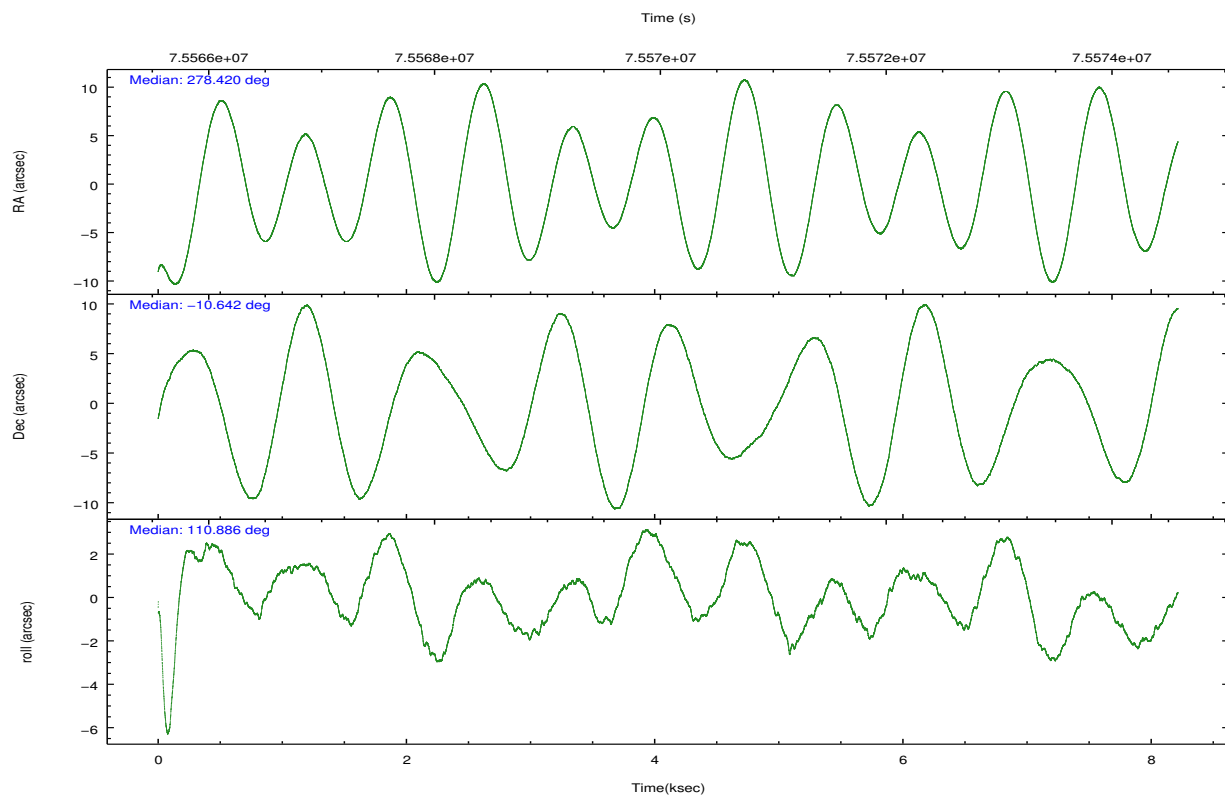
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	44067	44164	46668	48432	72915	61501	grade 0 events	2463	2398	2486	2498	21040	3096
rejected events	38486	38437	41152	42943	42883	32110		5%	5%	5%	5%	28%	5%
rejected %	87%	87%	88%	88%	58%	52%	grade 1 events	22	19	18	23	200	55
								0%	0%	0%	0%	0%	0%
							grade 2 events	1129	1209	1071	1090	3883	5659
								2%	2%	2%	2%	5%	9%
							grade 3 events	542	582	519	514	1454	2579
								1%	1%	1%	1%	1%	4%
							grade 4 events	505	582	489	507	1496	2703
								1%	1%	1%	1%	2%	4%
							grade 5 events	1539	1617	1498	1566	1916	5320
								3%	3%	3%	3%	2%	8%
							grade 6 events	948	959	952	883	2171	15365
								2%	2%	2%	1%	2%	24%
							grade 7 events	36919	36798	39635	41351	40755	26724
								83%	83%	84%	85%	55%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	278.441473	278.4196791048625	Subarray requested	NONE	NONE
[deg] Pointing Dec	-10.658988	-10.64174489677517	Alternating exposures requested	N	N
[deg] Pointing Roll	110.740810	110.8934216514136	[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	-199.707123	-199.7145787182124			
[mm] SIM translation stage offset	9.5746	9.582056135204567			
[s] Observation start time (MET)	75566175.184000	75565779.28325			
Observation start date	2000-05-24T14:35:11	2000-05-24T14:29:39			
[s] Observation end time (MET)	75574175.184000	75575286.67110001			
Observation end date	2000-05-24T16:48:31	2000-05-24T17:08:06			
Read mode	TIMED	TIMED			

2.3 Aspect



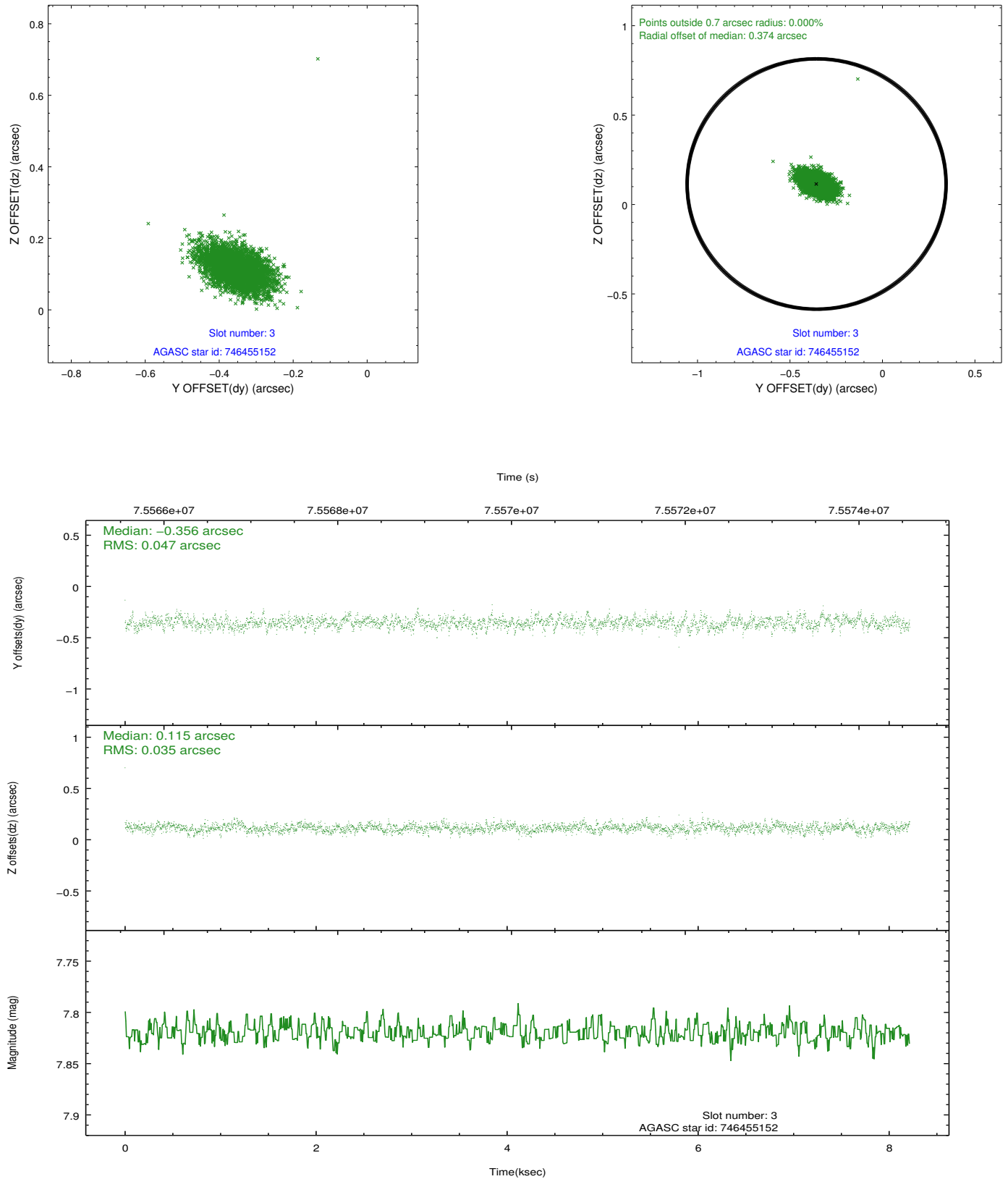


Slot Statistics

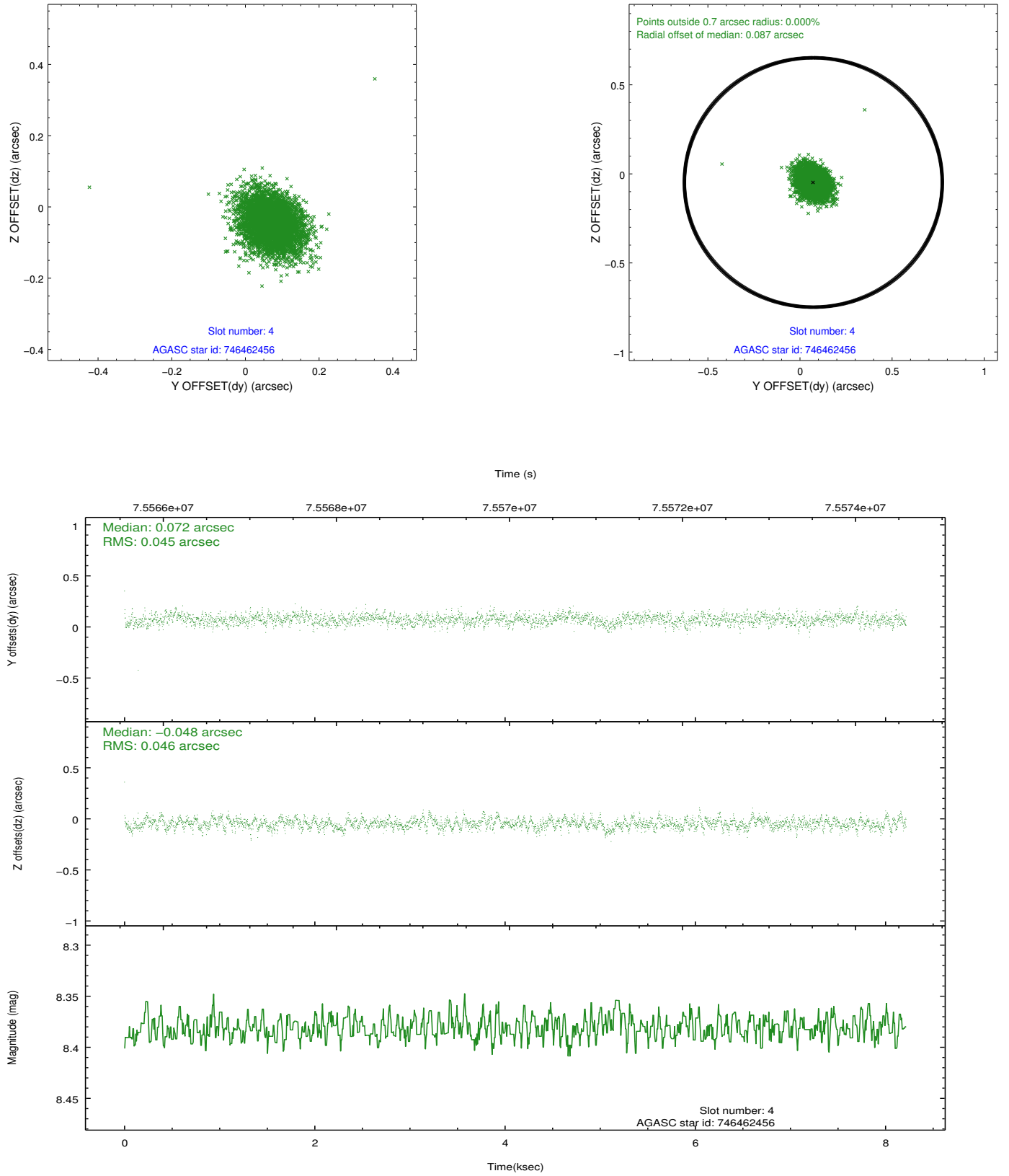
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.14	2003	0.066	0.115	0.007	0.012	0.000000	0.000000	-754.07	-1528.07
1	FID	ACIS-S-4	7.24	2003	-0.069	-0.063	0.006	0.011	0.000000	0.000000	2158.87	379.50
2	FID	ACIS-S-5	7.23	2004	-0.028	-0.043	0.007	0.011	0.000000	0.000000	-1806.03	374.17
3	GUIDE	746455152	7.82	4009	-0.356	0.115	0.058	0.104	278.447893	-9.976732	2288.06	-891.02
4	GUIDE	746462456	8.38	4009	0.072	-0.048	0.067	0.110	278.652171	-10.530173	169.45	-862.06
5	GUIDE	746462392	8.53	4007	0.072	0.085	0.082	0.134	279.038421	-10.890715	-1529.81	-1678.04
6	GUIDE	746455112	8.93	4004	0.006	0.099	0.083	0.136	278.266531	-10.703234	68.98	634.58
7	GUIDE	746995400	9.51	4004	0.213	-0.244	0.107	0.177	278.078957	-11.289885	-1672.18	2000.96

2.4 Star Slots

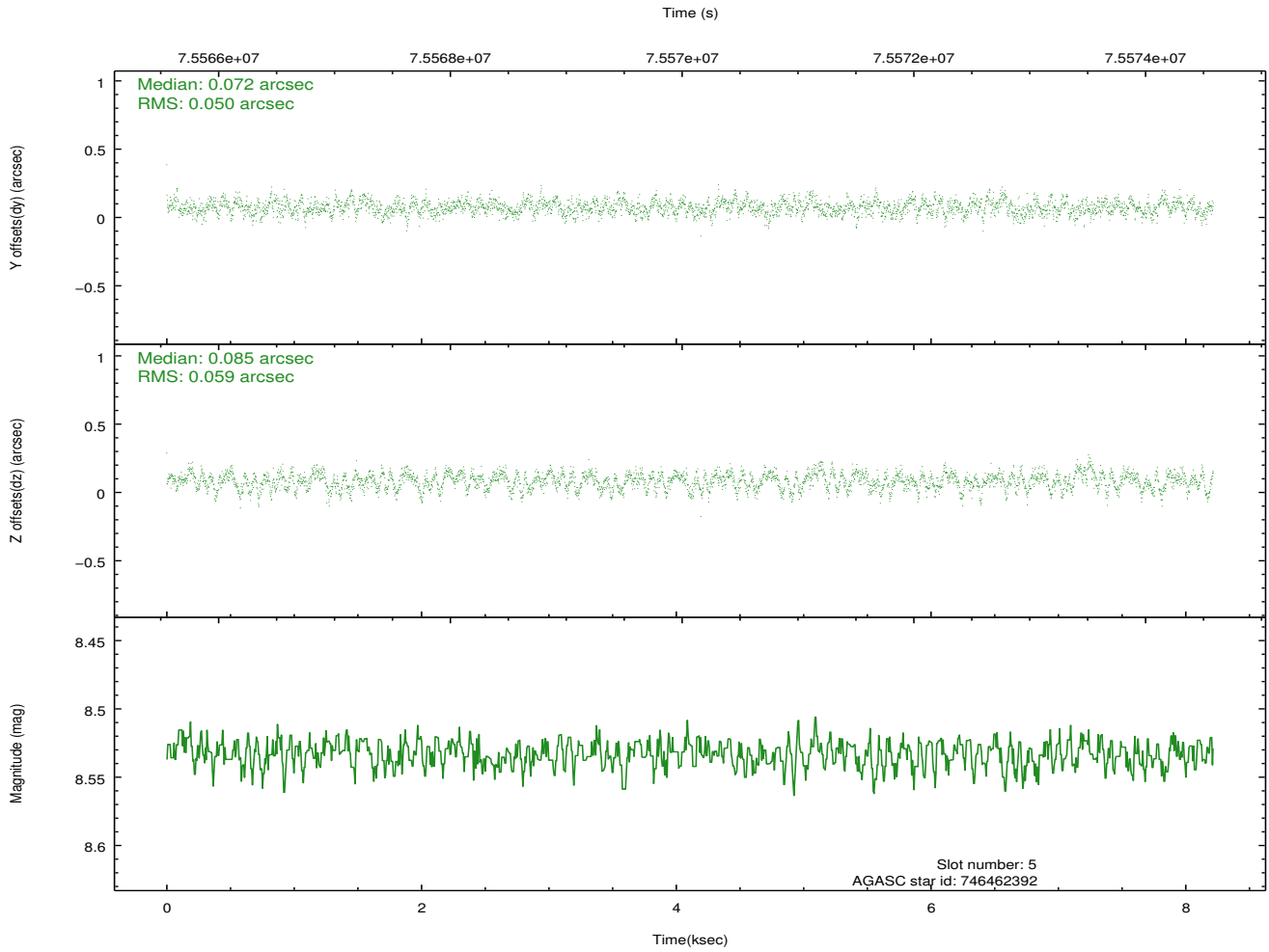
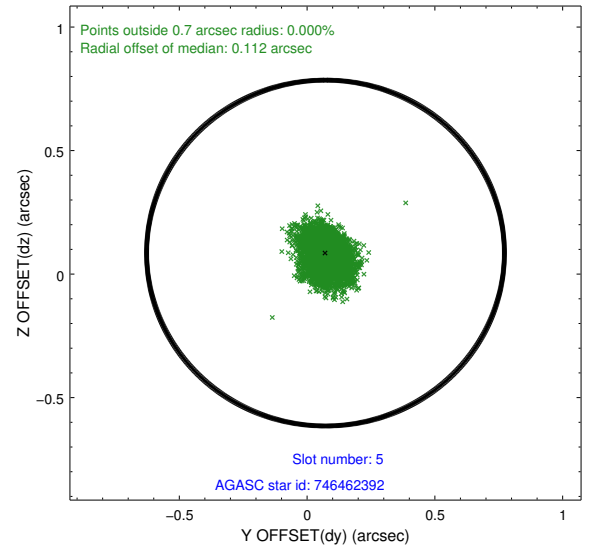
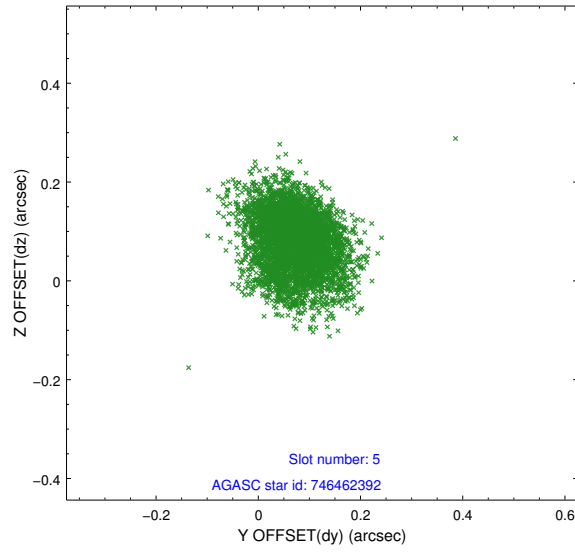
2.4.1 Slot 3



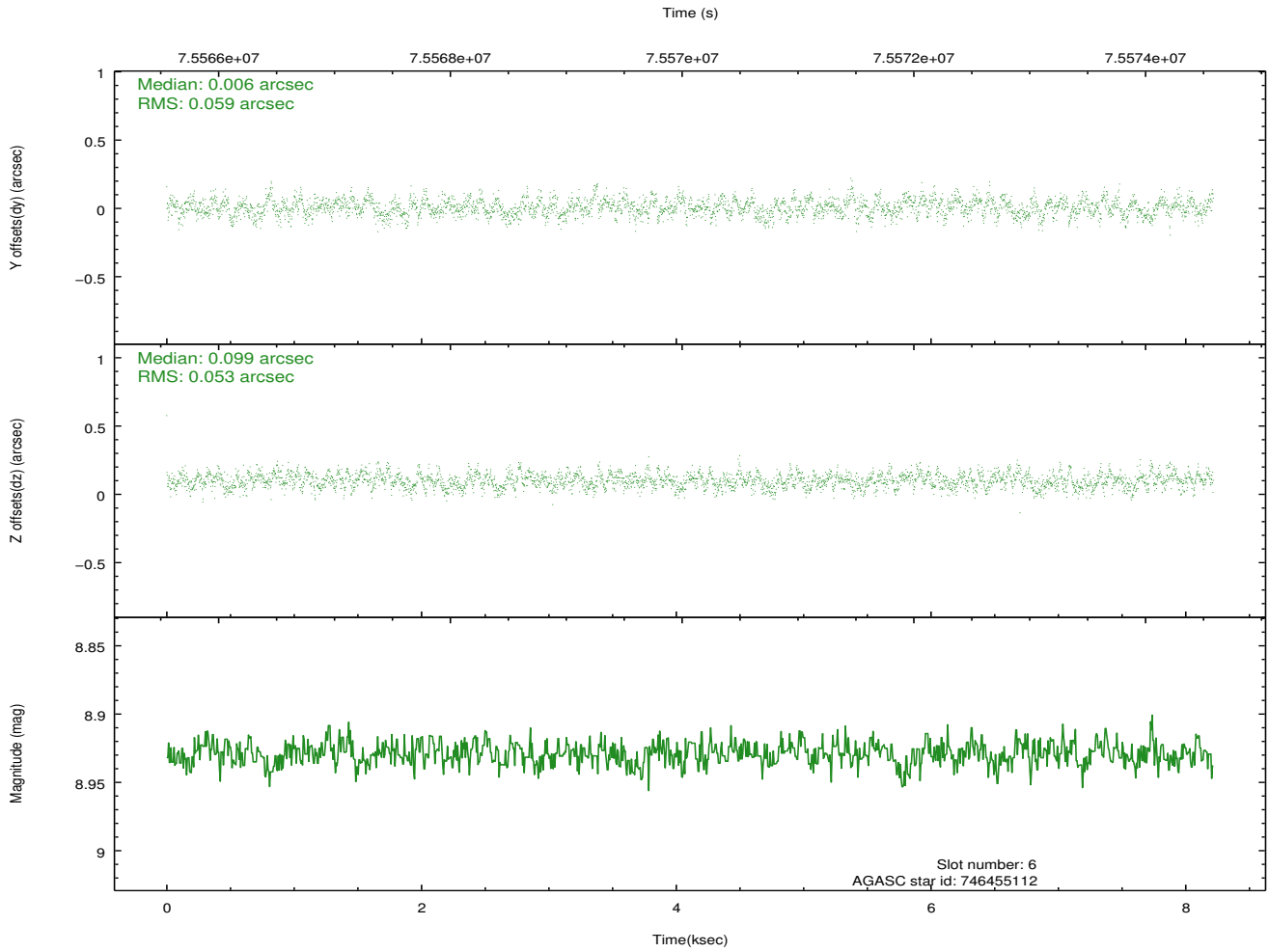
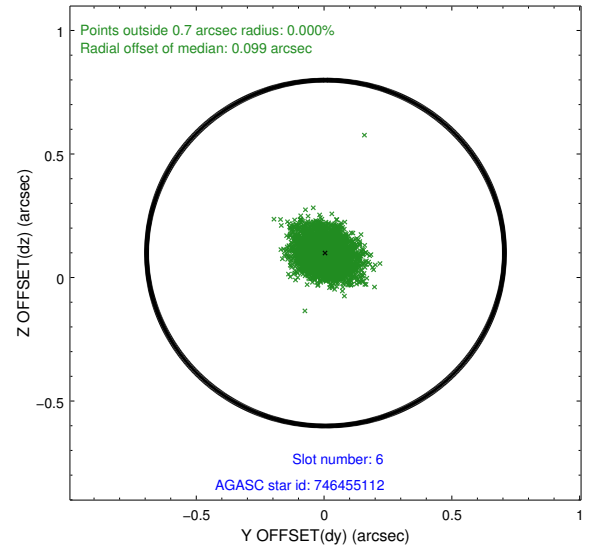
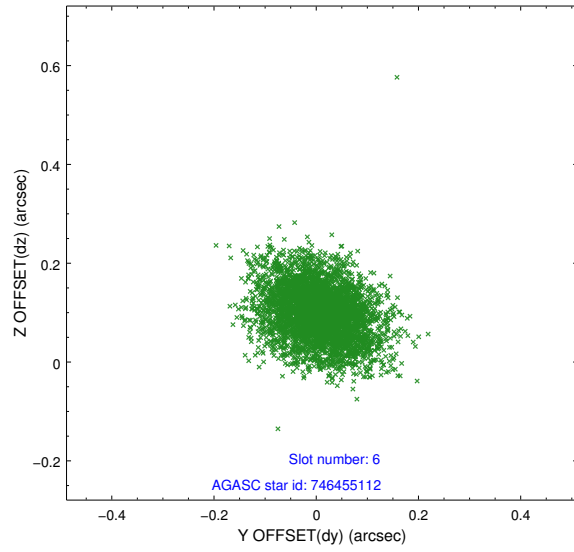
2.4.2 Slot 4



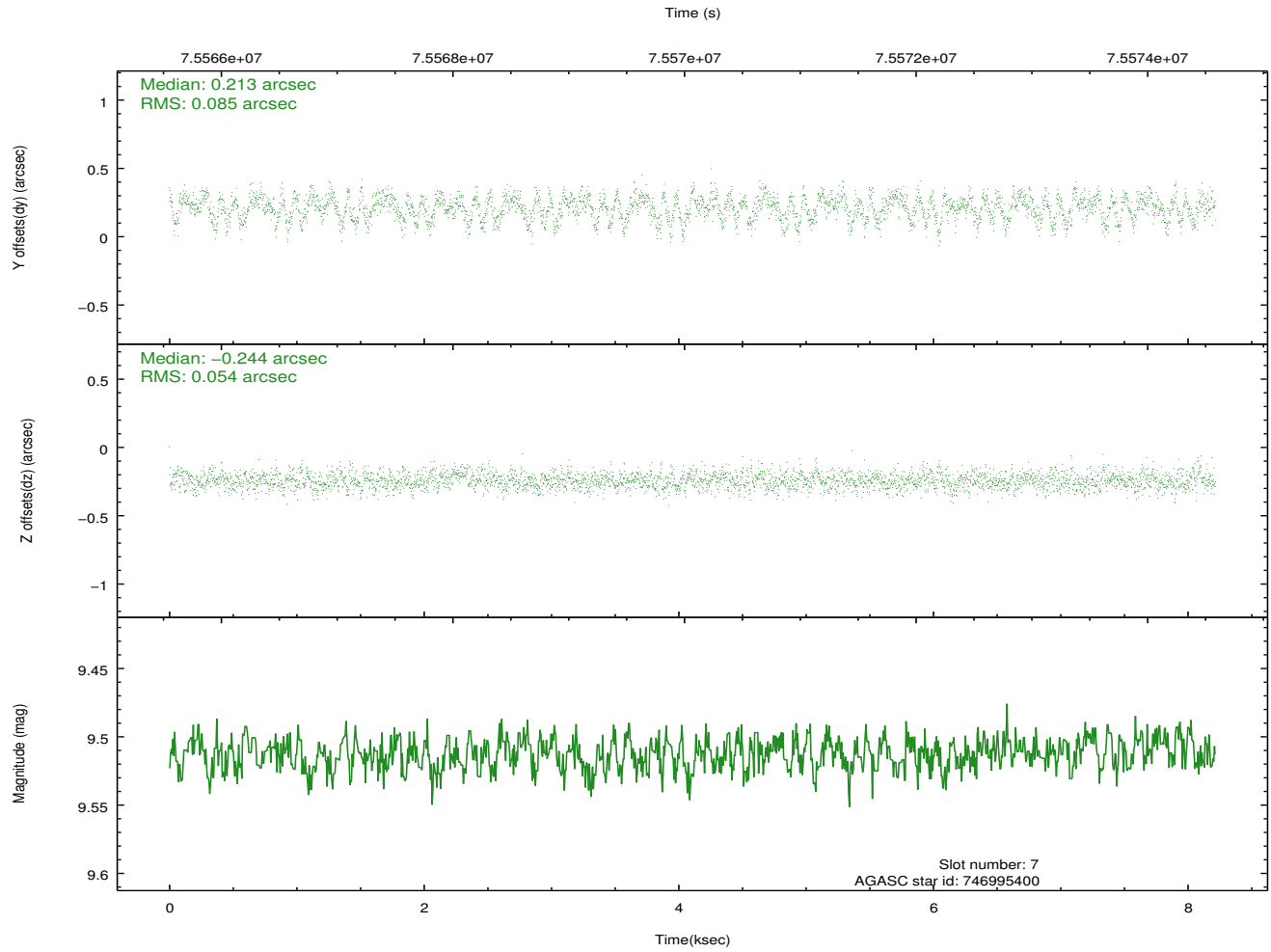
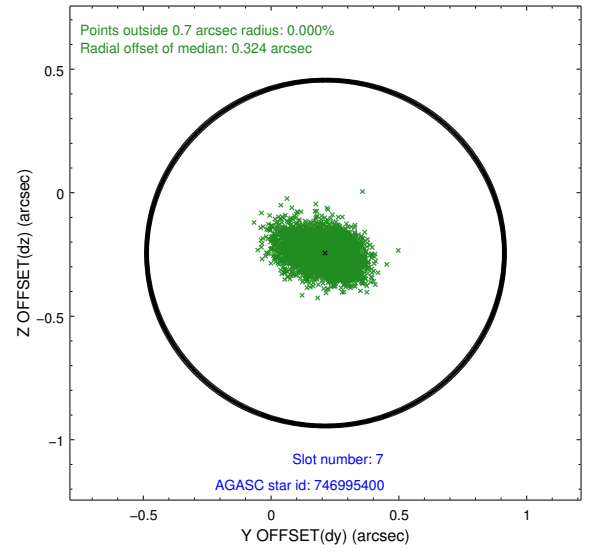
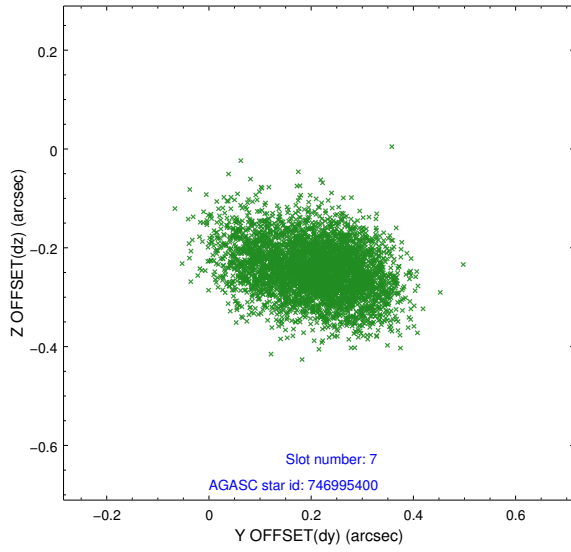
2.4.3 Slot 5



2.4.4 Slot 6

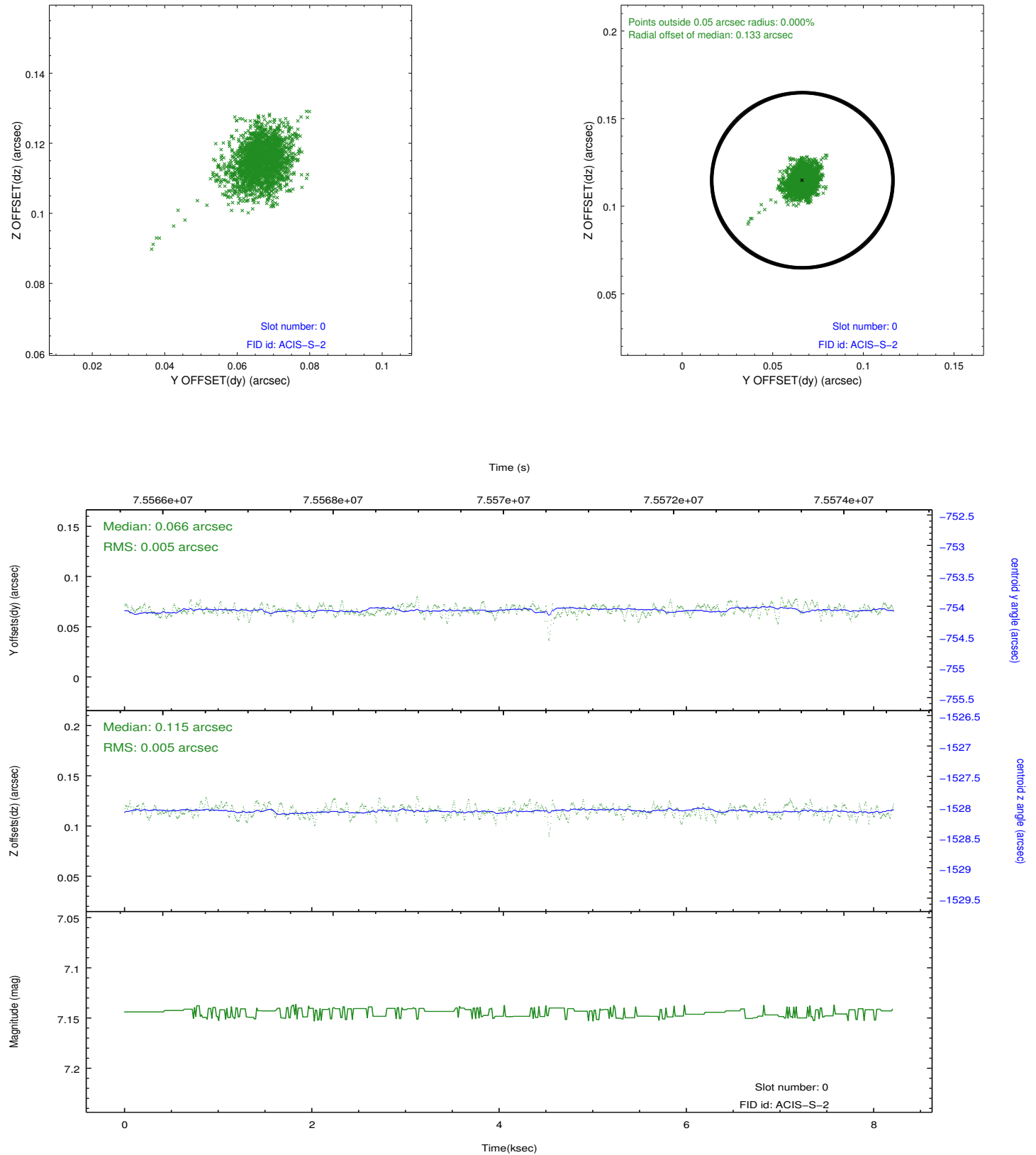


2.4.5 Slot 7

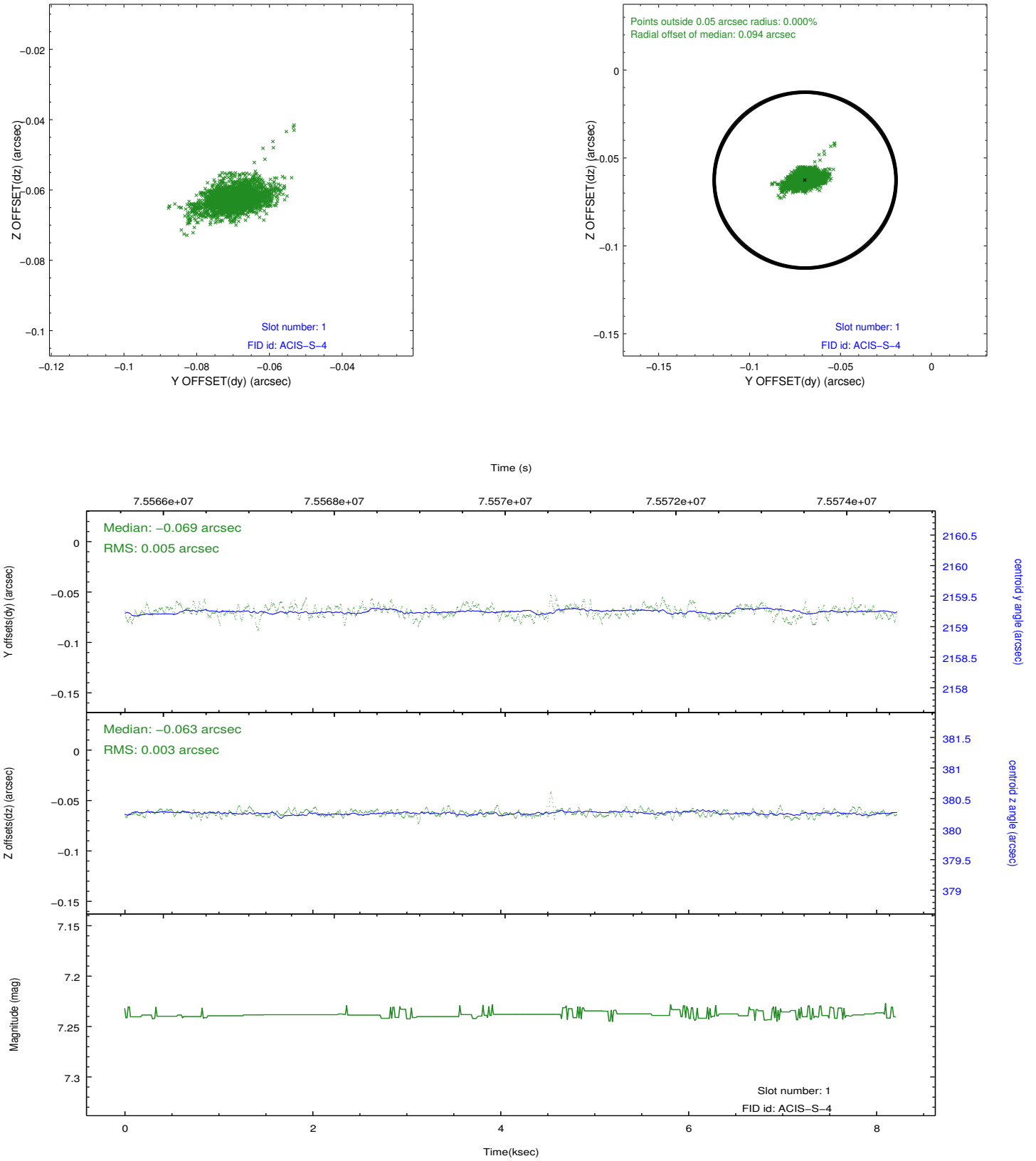


2.5 FID Slots

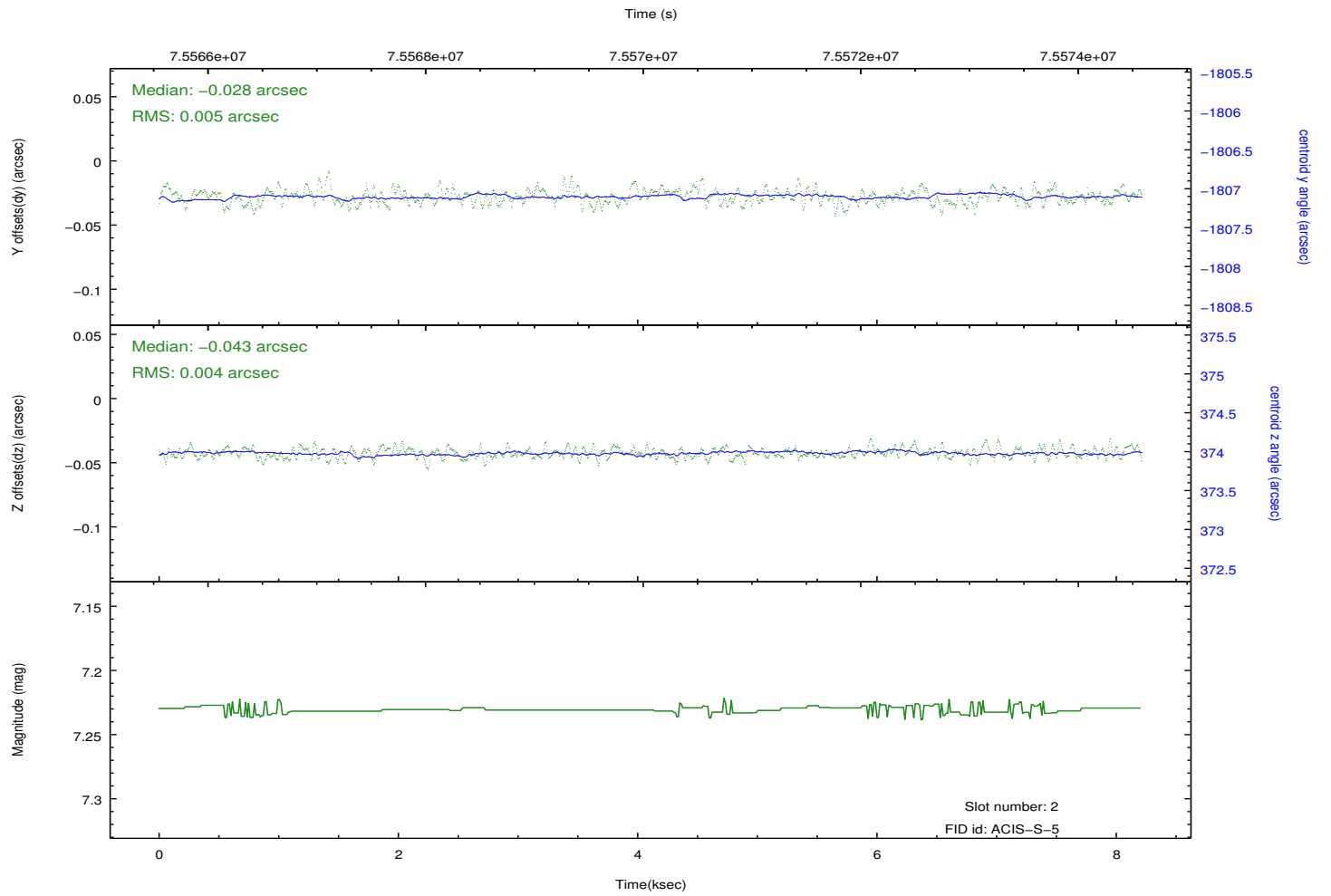
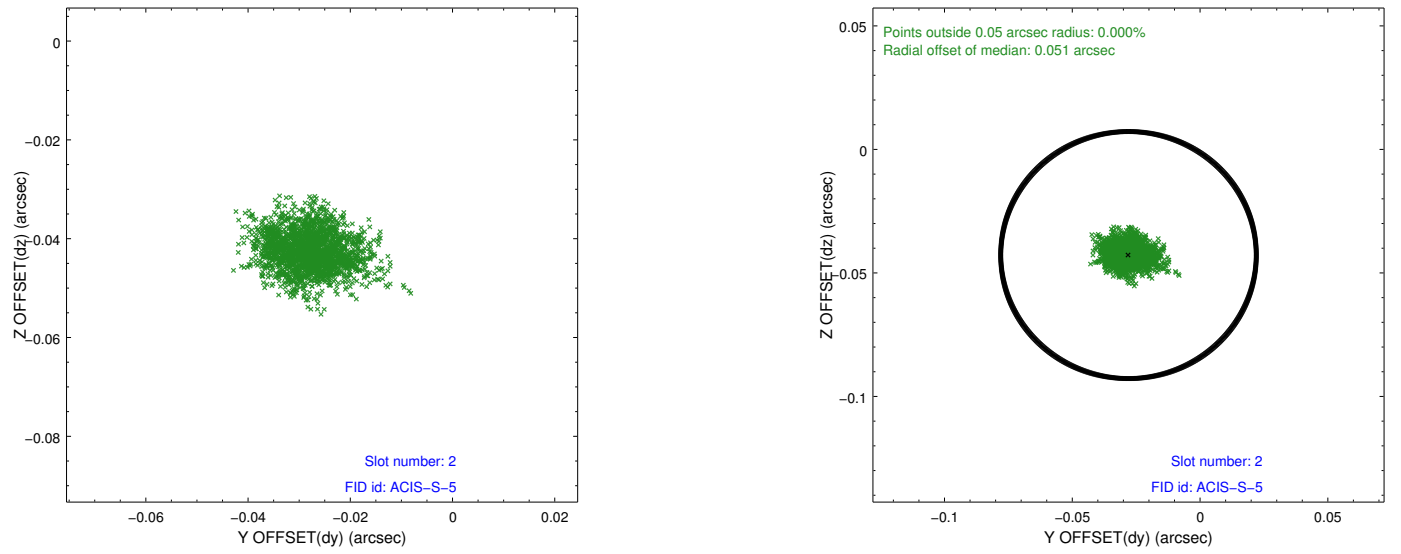
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.663

A.2 Comments