

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2958 - L2 Version 3
Chandra X-Ray Center

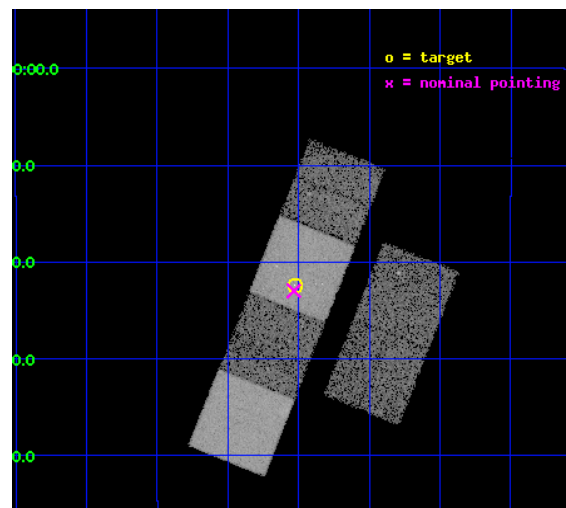
L2 Processing Date : Sep 29 2012

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1 Front

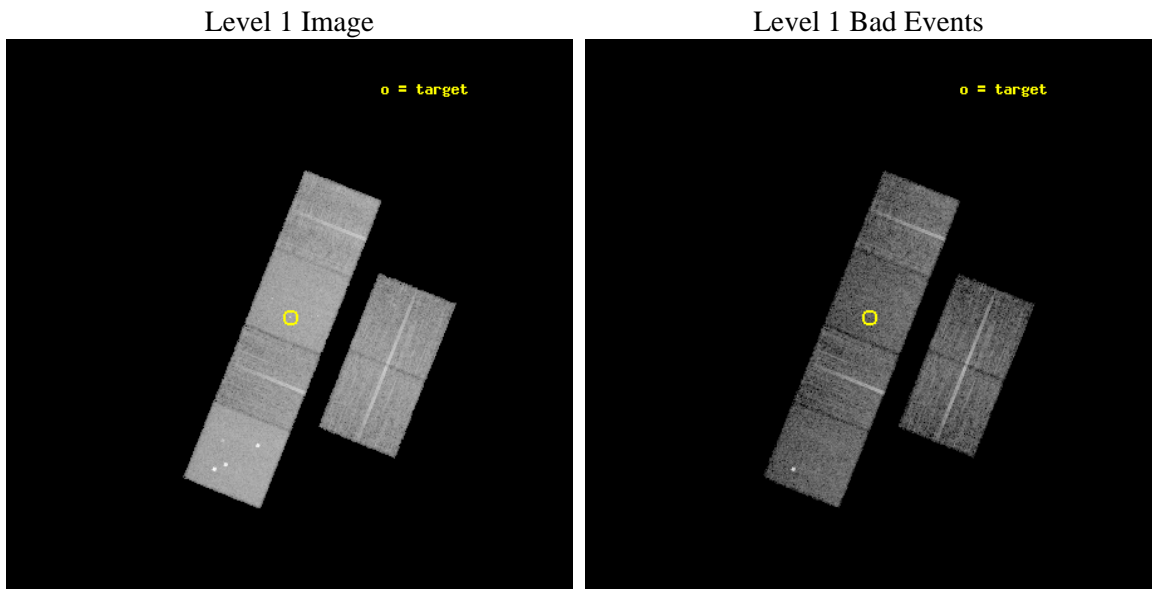
seq_num	700397	Sequence number
obs_id	2958	Observation id
title	EXPLORATORY OBSERVATIONS OF A NEW BRIGHT QUASAR	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	PHL 1811	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	328.75625	Observer's specified target RA [deg]
dec_targ	-9.373528	Observer's specified target Dec [deg]
ra_nom	328.75826033627	Nominal RA [deg]
dec_nom	-9.3830723623933	Nominal Dec [deg]
roll_nom	291.77875792303	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9961.6000092626	Sum of GTIs [s]
livetime	9835.4602317899	Livetime [s]
ontime2	9961.6000092626	Sum of GTIs [s]
ontime3	9961.6000092626	Sum of GTIs [s]
ontime5	9961.6000092626	Sum of GTIs [s]
ontime6	9961.6000092626	Sum of GTIs [s]
ontime7	9961.6000092626	Sum of GTIs [s]
ontime8	9961.6000092626	Sum of GTIs [s]
l2events	131574	Number of level 2 events



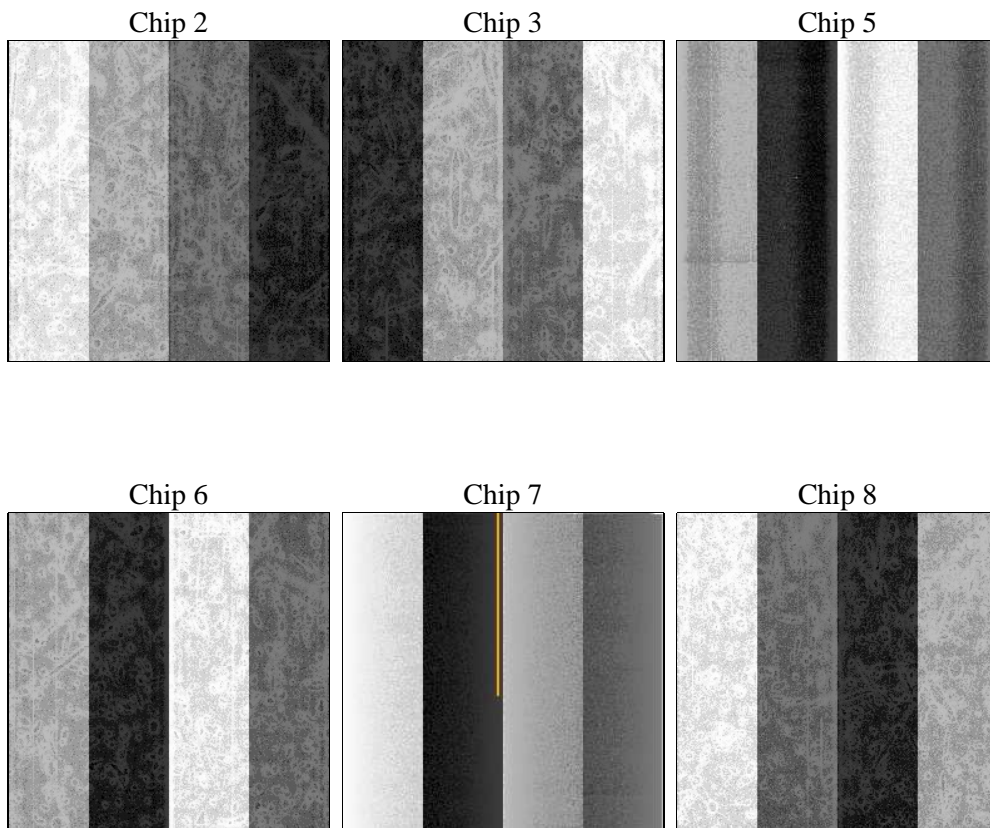
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9961.6000092626	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9961.6000092626	Sum of GTIs [s]
date	2012-09-29T02:45:49	Date and time of file creation	ontime3	9961.6000092626	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9961.6000092626	Sum of GTIs [s]
			ontime6	9961.6000092626	Sum of GTIs [s]
			ontime7	9961.6000092626	Sum of GTIs [s]
			ontime8	9961.6000092626	Sum of GTIs [s]
			l1events	486540	Number of level 1 events

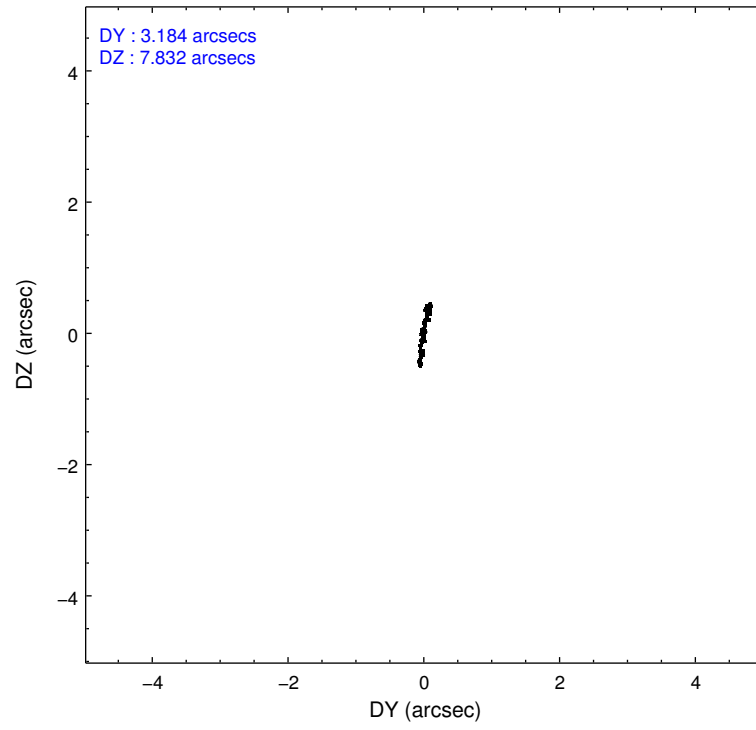
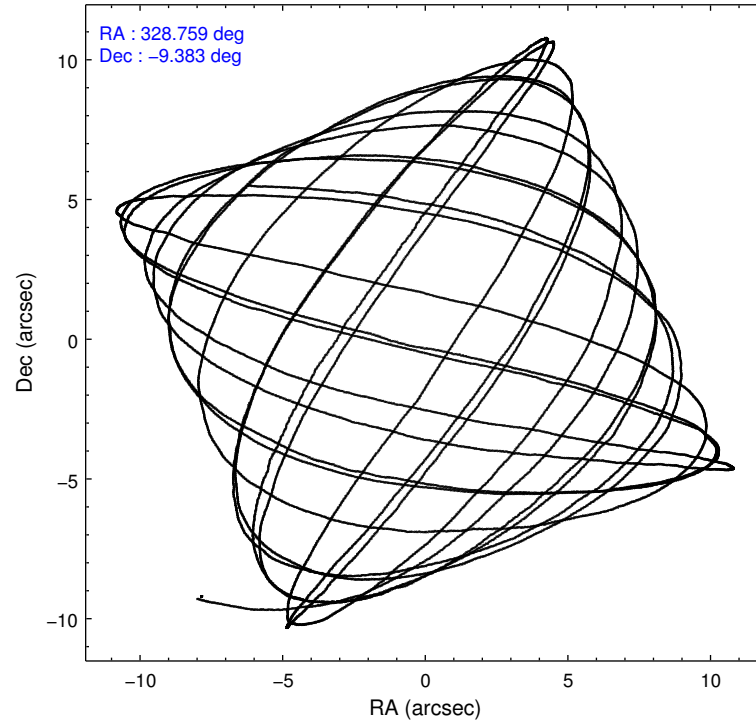
2.1.4 Events

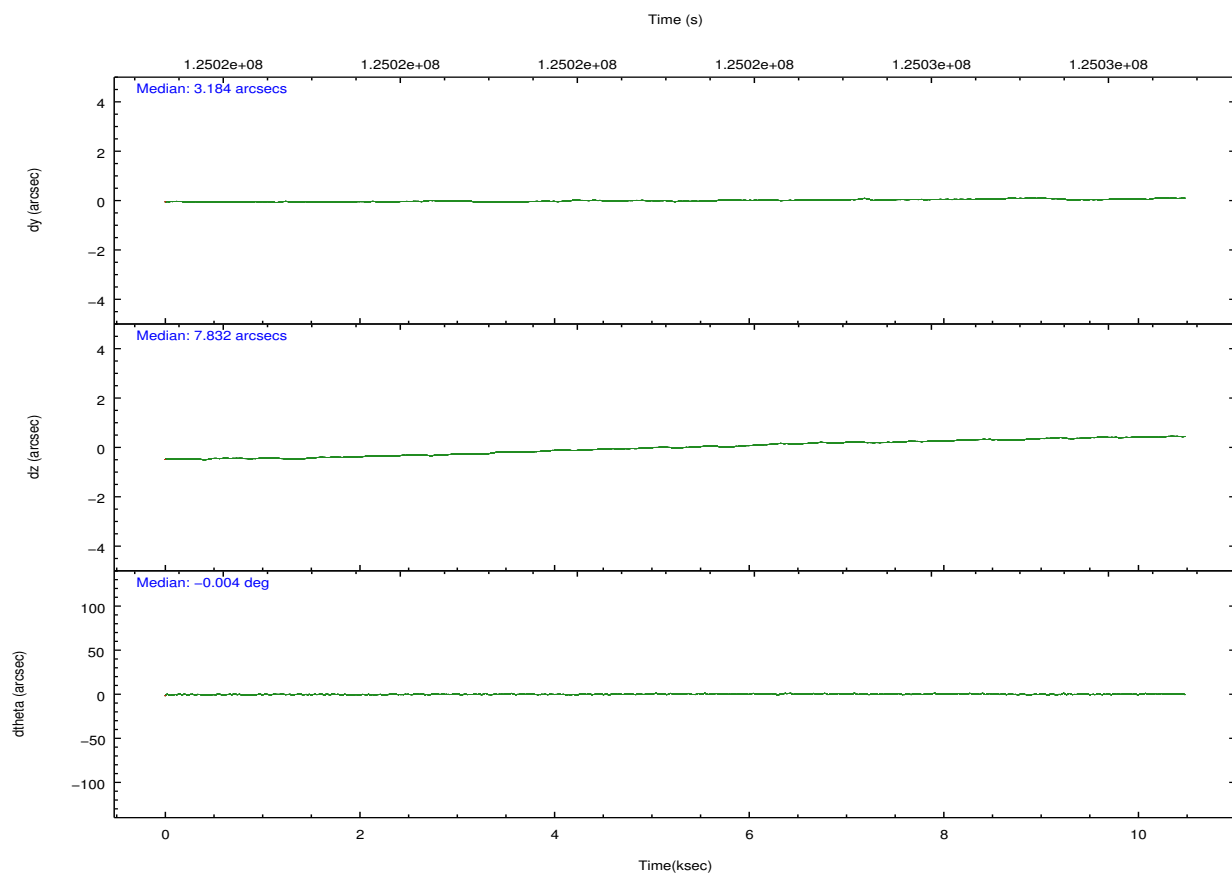
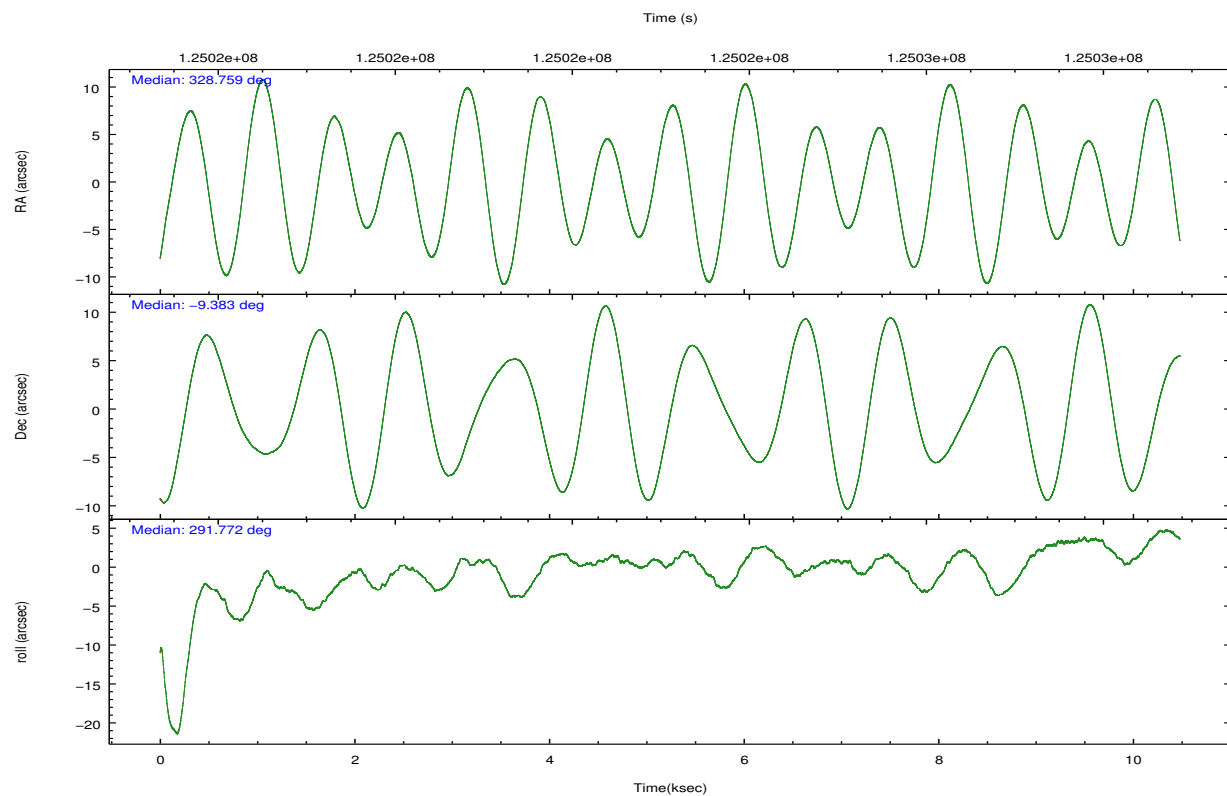
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	66543	62434	110446	66241	96170	84706	grade 0 events	4230	4293	11150	4745	5054	7702
rejected events	57305	53471	51671	56306	49202	63811		6%	6%	10%	7%	5%	9%
rejected %	86%	85%	46%	85%	51%	75%	grade 1 events	44	40	1431	51	69	56
								0%	0%	1%	0%	0%	0%
							grade 2 events	1922	1706	16231	1863	9027	4095
								2%	2%	14%	2%	9%	4%
							grade 3 events	759	763	2665	843	4104	2321
								1%	1%	2%	1%	4%	2%
							grade 4 events	772	702	2612	841	4033	2078
								1%	1%	2%	1%	4%	2%
							grade 5 events	2185	2536	6937	2791	7822	3495
								3%	4%	6%	4%	8%	4%
							grade 6 events	1555	1503	26127	1644	24760	4700
								2%	2%	23%	2%	25%	5%
							grade 7 events	55076	50891	43293	53463	41301	60259
								82%	81%	39%	80%	42%	71%

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	328.736322	328.7582603362734	Subarray requested	NONE	NONE
[deg] Pointing Dec	-9.366444	-9.383072362393269	Alternating exposures requested	N	N
[deg] Pointing Roll	291.618553	291.7787579230265	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	125018341.184000	125017242.38819			
Observation start date	2001-12-17T23:17:57	2001-12-17T23:00:42			
[s] Observation end time (MET)	125028341.184000	125028845.90115			
Observation end date	2001-12-18T02:04:37	2001-12-18T02:14:05			
Read mode	TIMED	TIMED			

2.3 Aspect



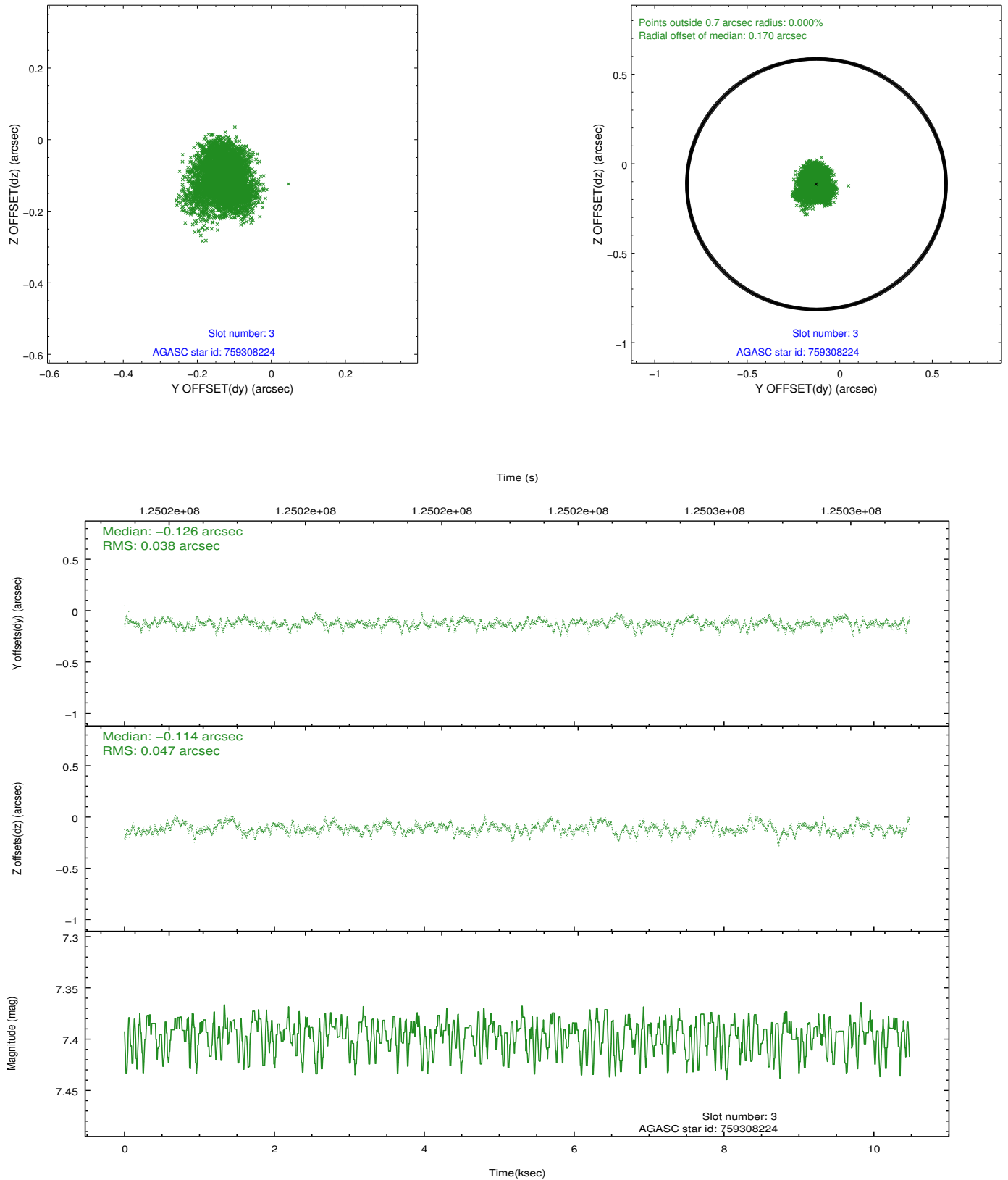


Slot Statistics

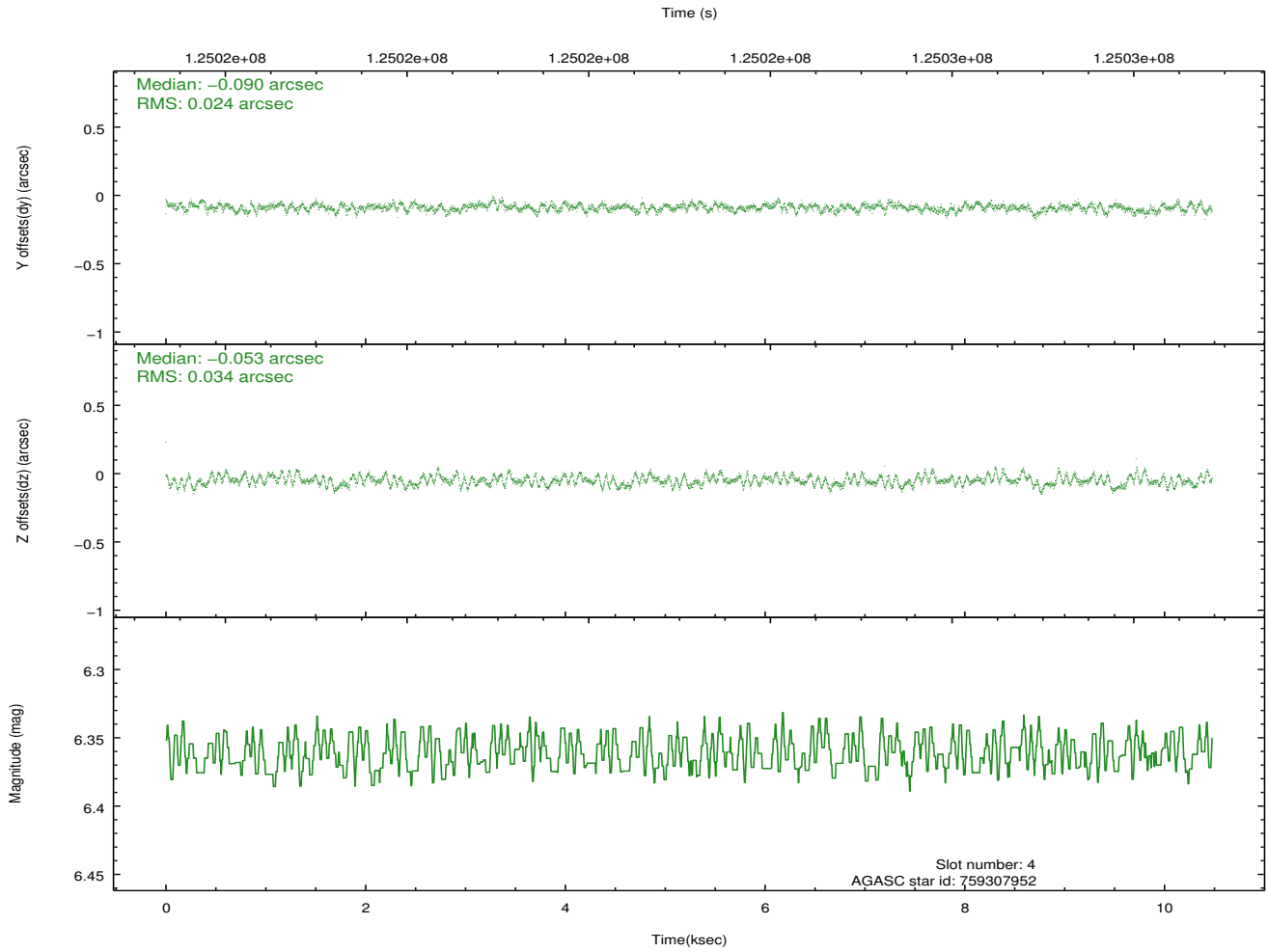
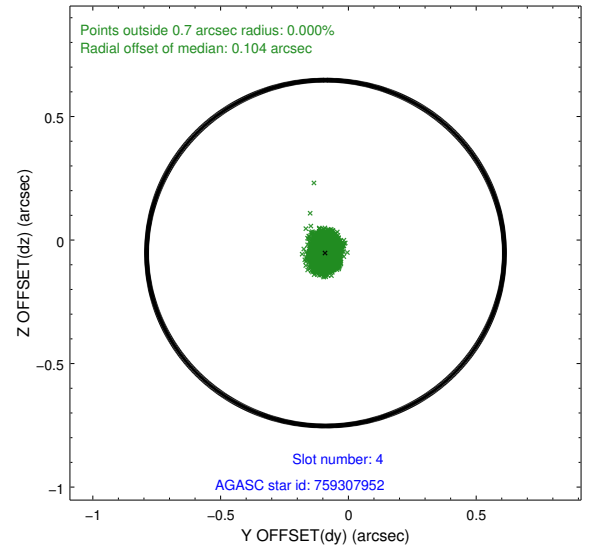
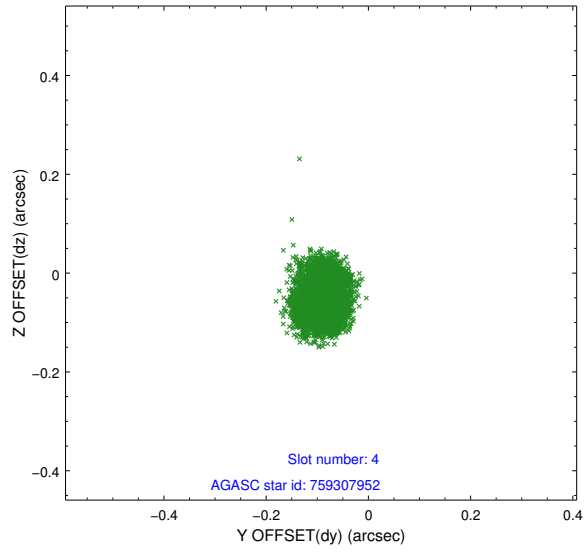
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2557	-0.006	-0.001	0.008	0.013	0.000000	0.000000	-755.85	-1729.00
1	FID	ACIS-S-4	7.20	2557	-0.029	0.003	0.006	0.011	0.000000	0.000000	2157.19	178.96
2	FID	ACIS-S-5	7.24	2557	0.004	0.007	0.008	0.012	0.000000	0.000000	-1808.03	173.22
3	GUIDE	759308224	7.39	5110	-0.126	-0.114	0.065	0.105	328.123687	-9.417926	-628.37	-2092.68
4	GUIDE	759307952	6.36	5112	-0.090	-0.053	0.045	0.071	329.103732	-9.585858	1214.19	920.11
5	GUIDE	759308864	9.11	5112	0.118	0.150	0.089	0.143	329.073084	-9.505733	906.51	926.29
6	GUIDE	759305424	9.73	5113	-0.000	-0.082	0.118	0.195	328.253023	-9.924329	1236.34	-2334.24
7	GUIDE	759305384	8.85	5111	0.096	0.094	0.070	0.114	328.426697	-9.776111	966.37	-1565.78

2.4 Star Slots

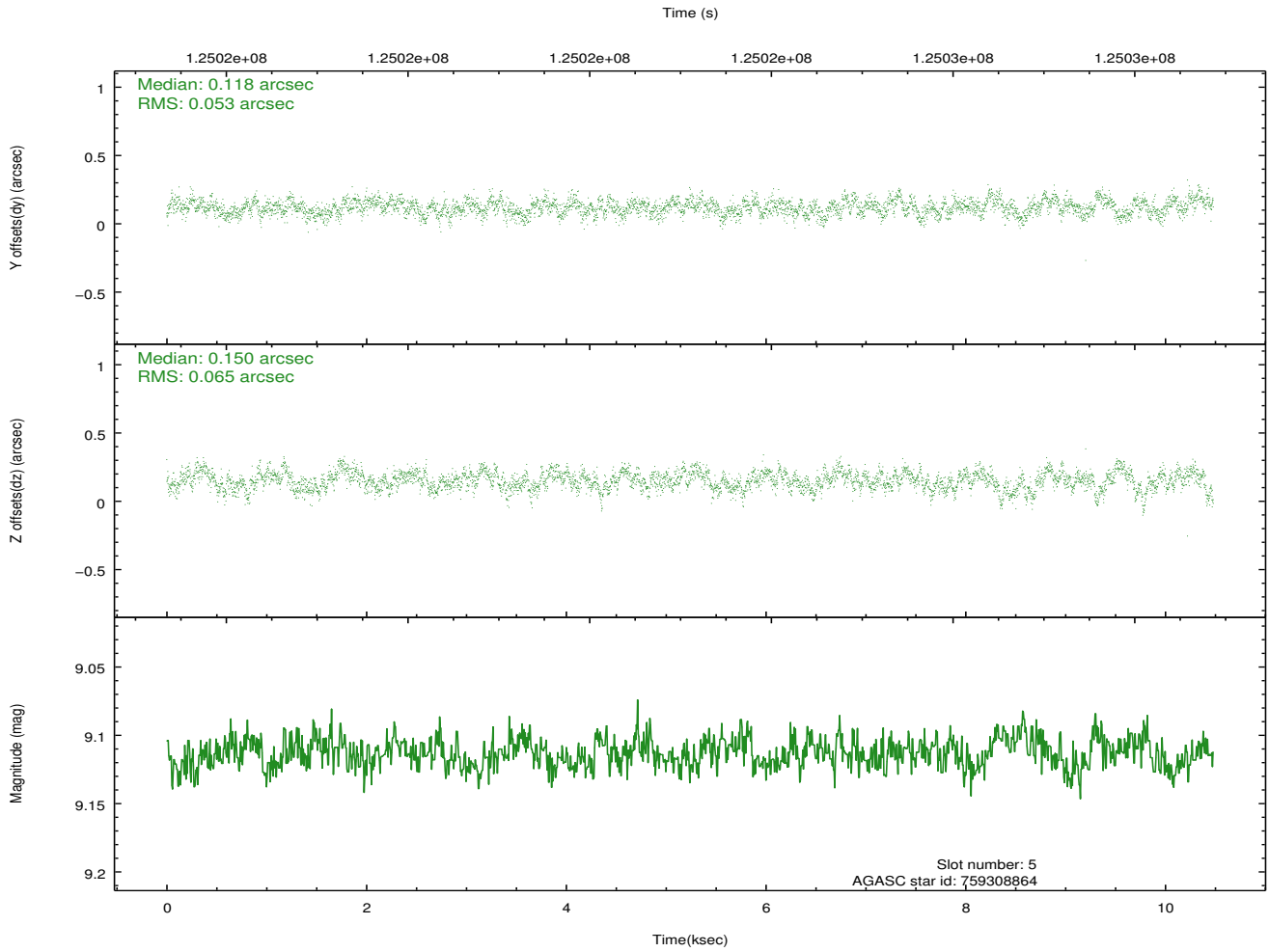
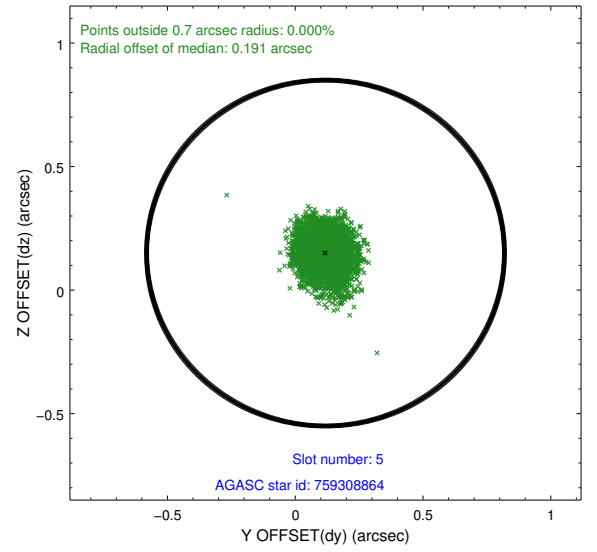
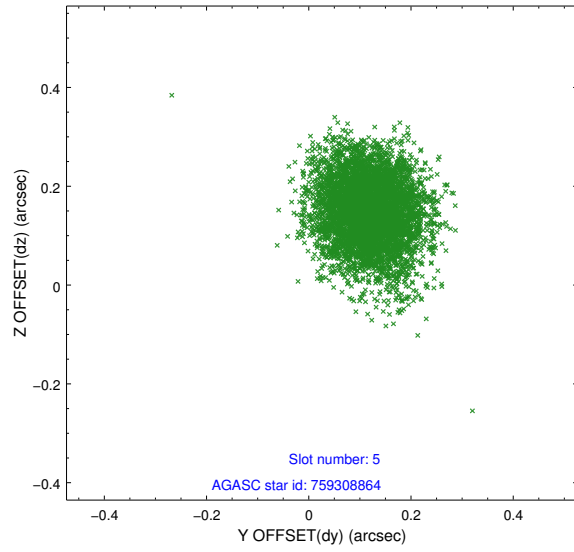
2.4.1 Slot 3



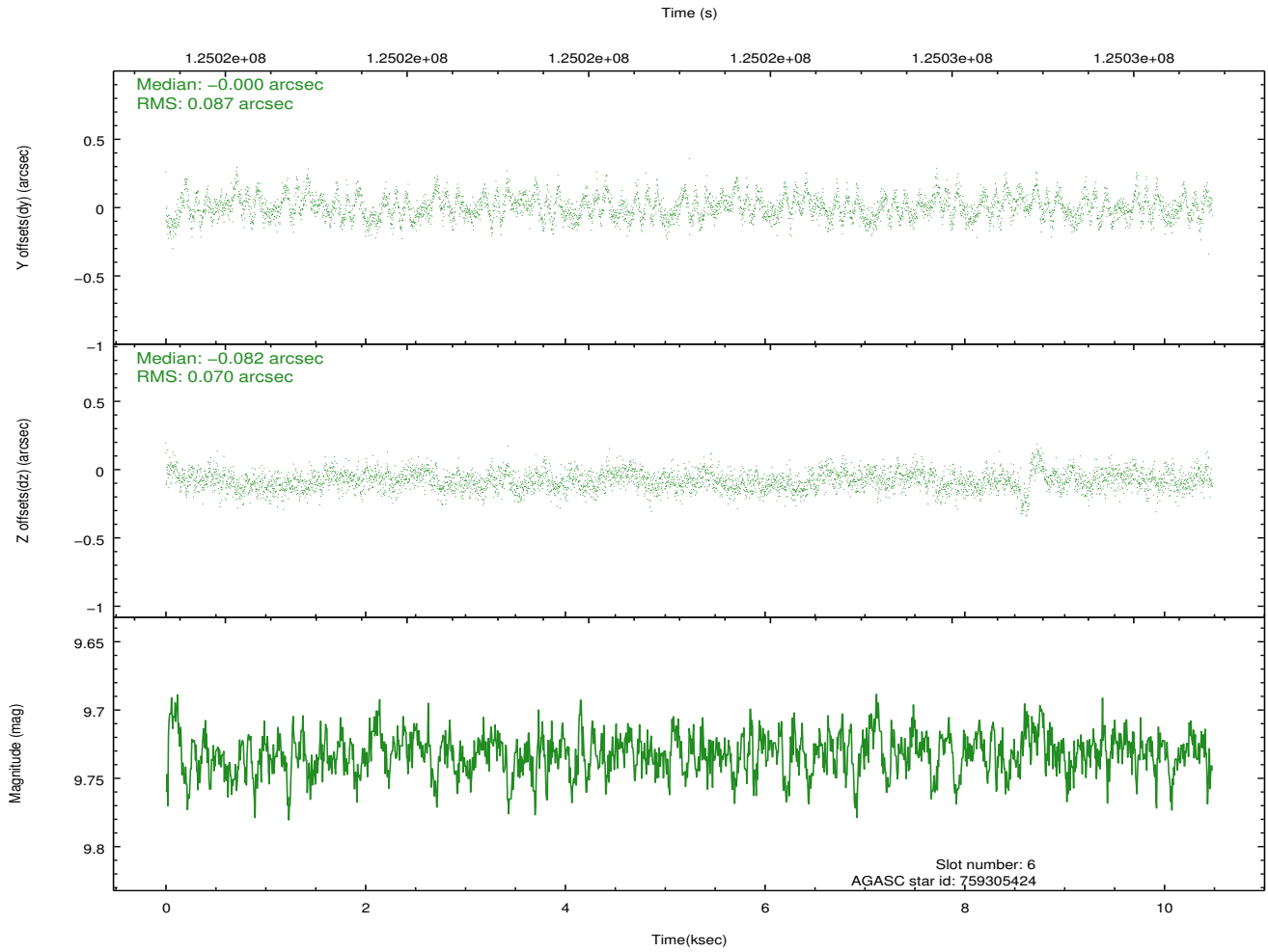
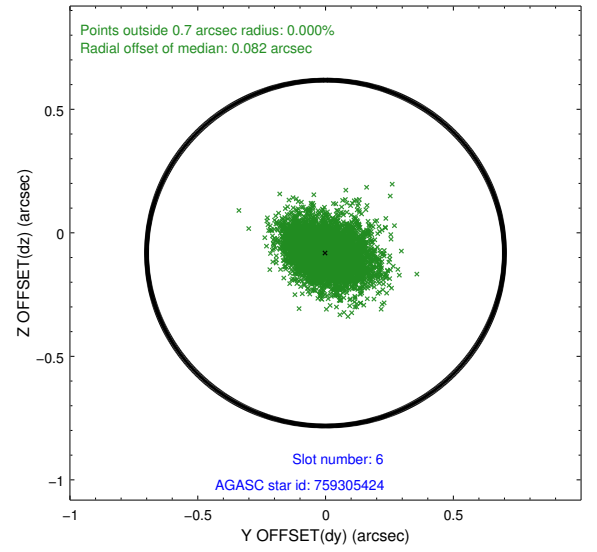
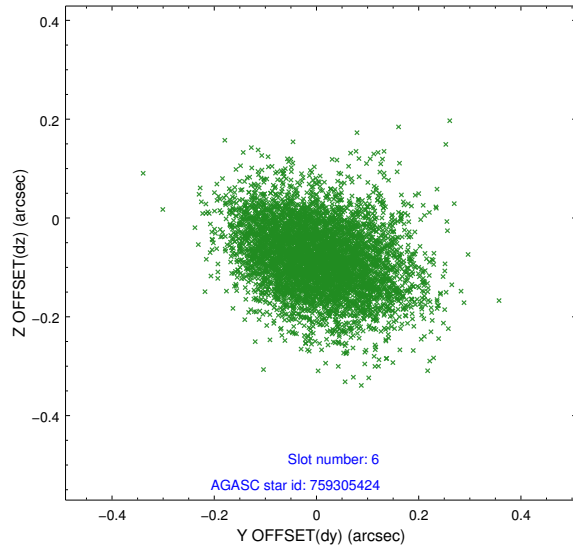
2.4.2 Slot 4



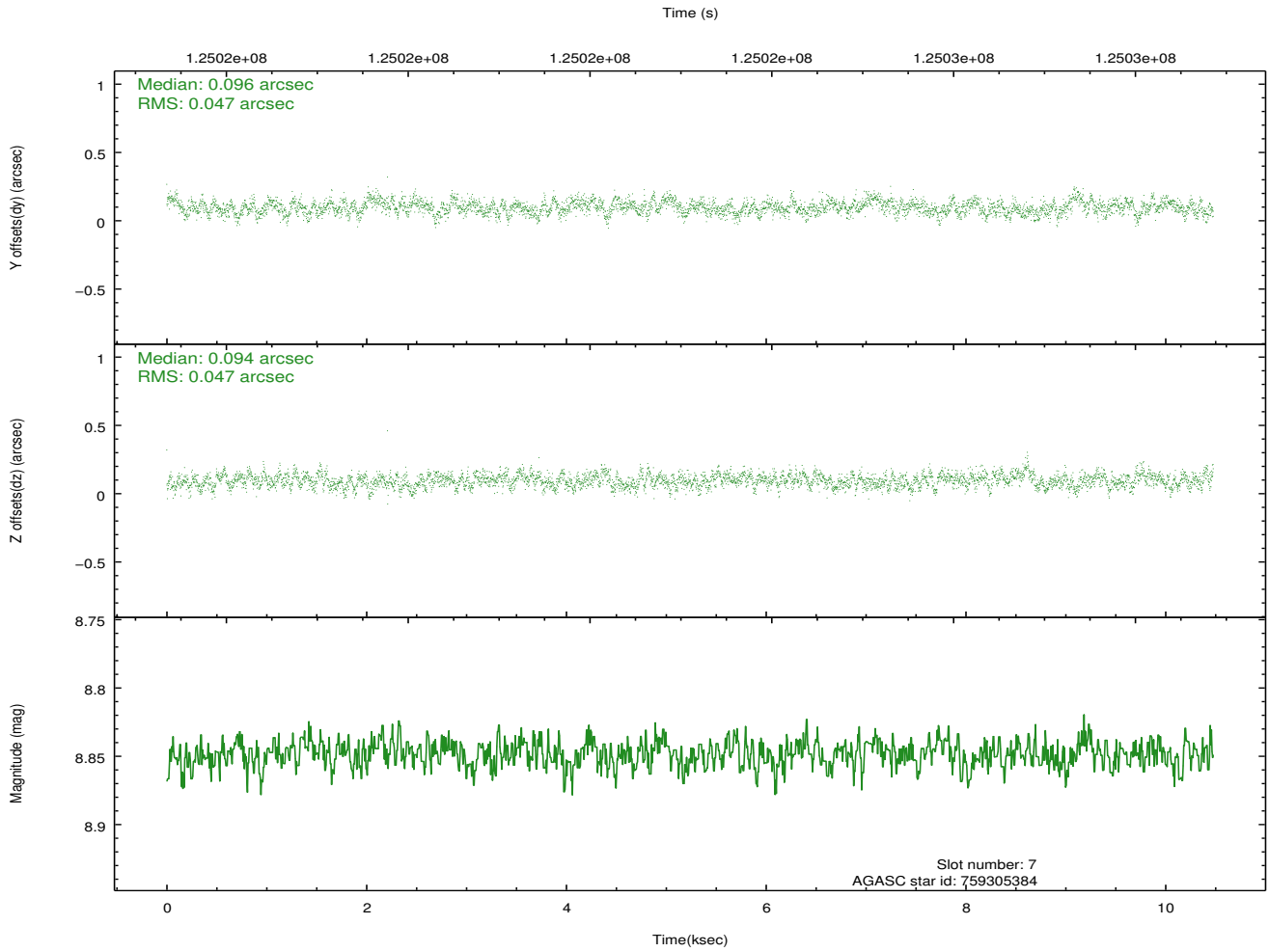
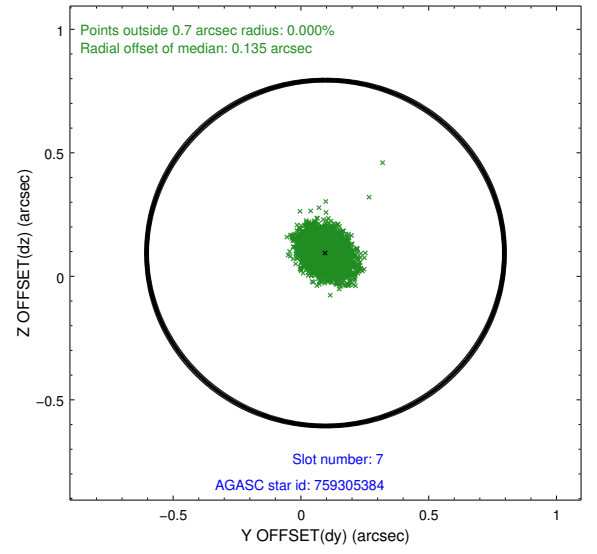
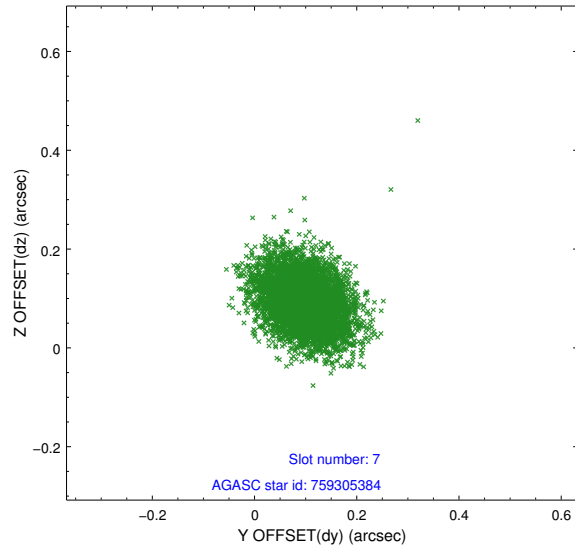
2.4.3 Slot 5



2.4.4 Slot 6

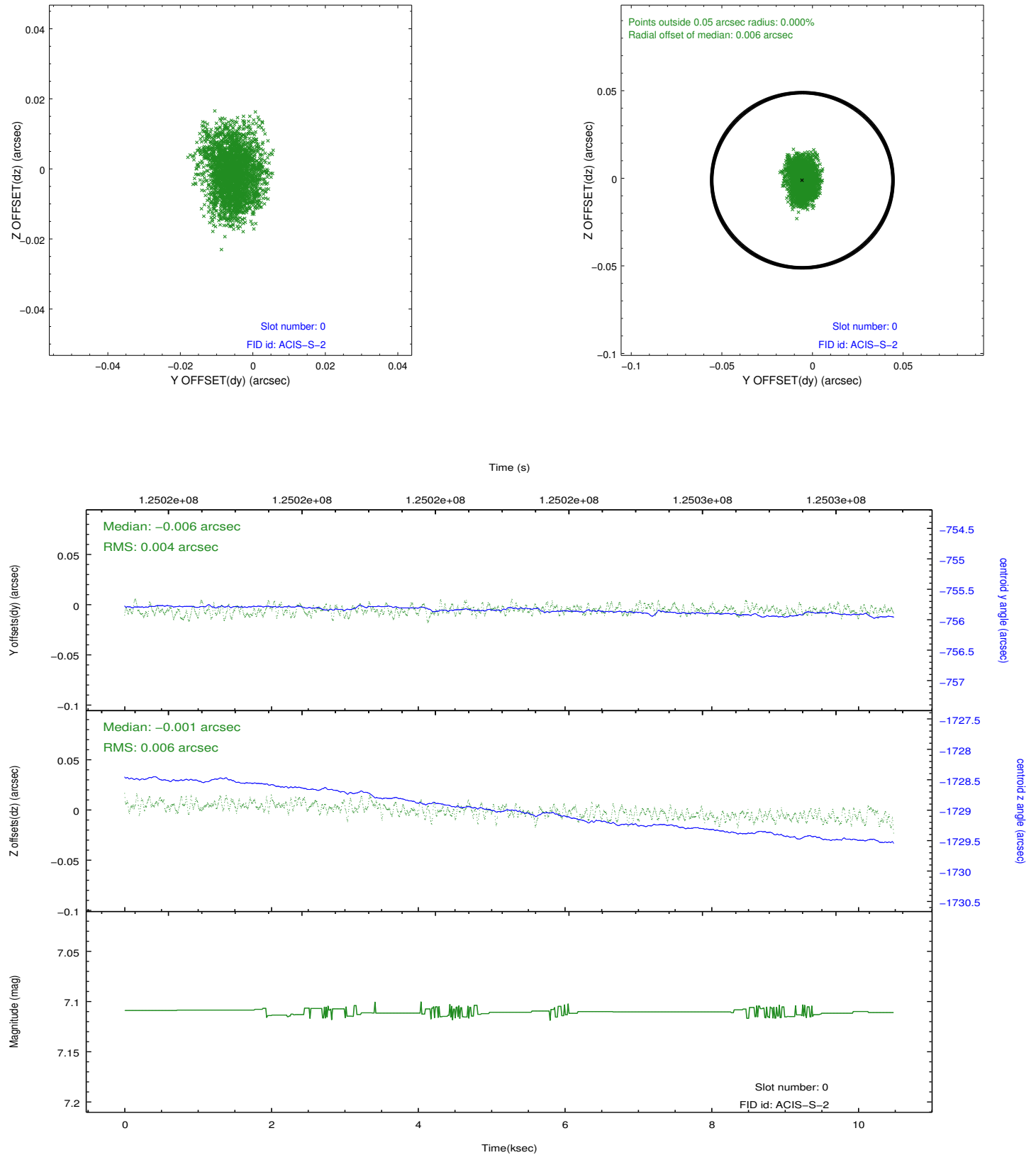


2.4.5 Slot 7

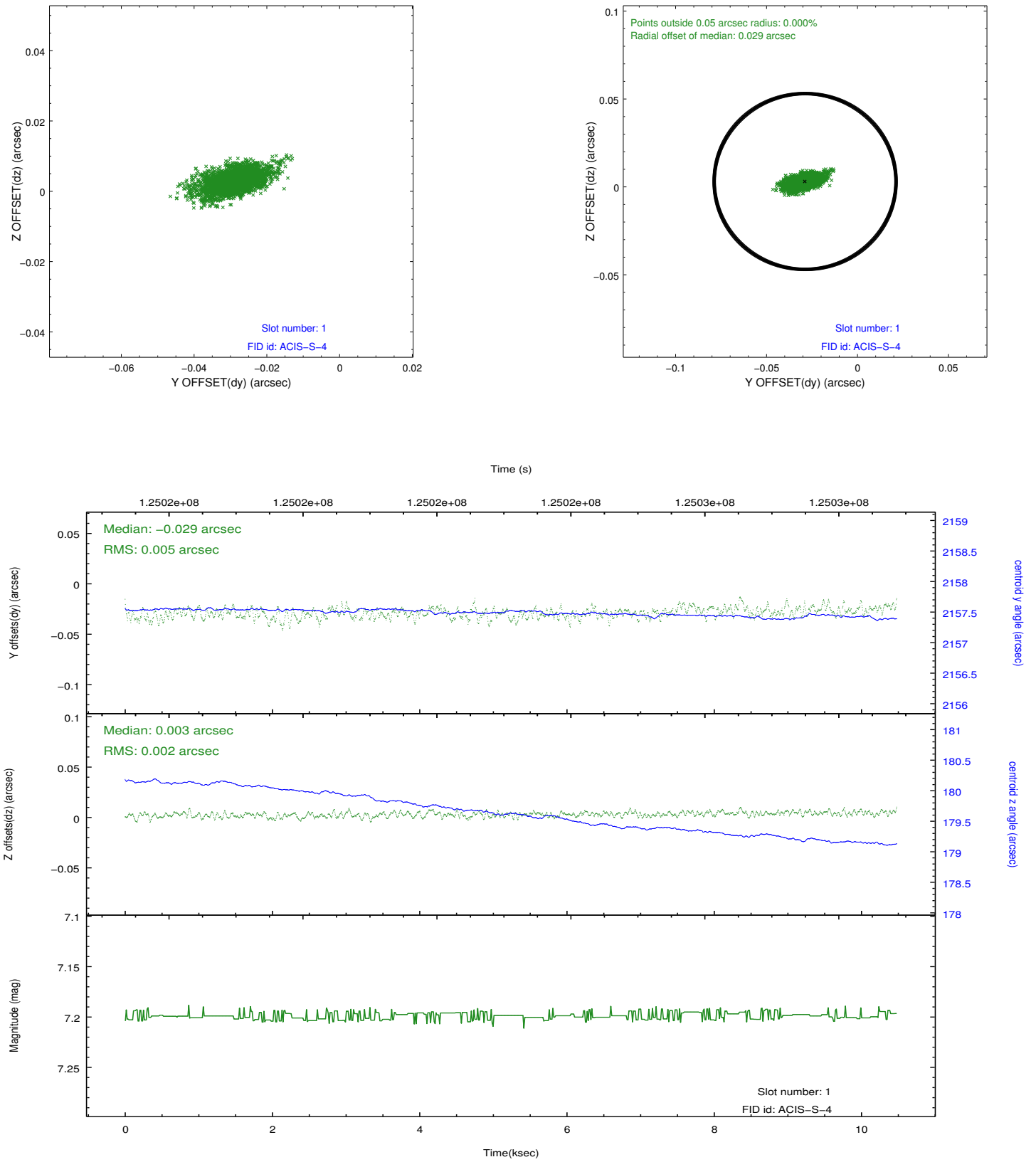


2.5 FID Slots

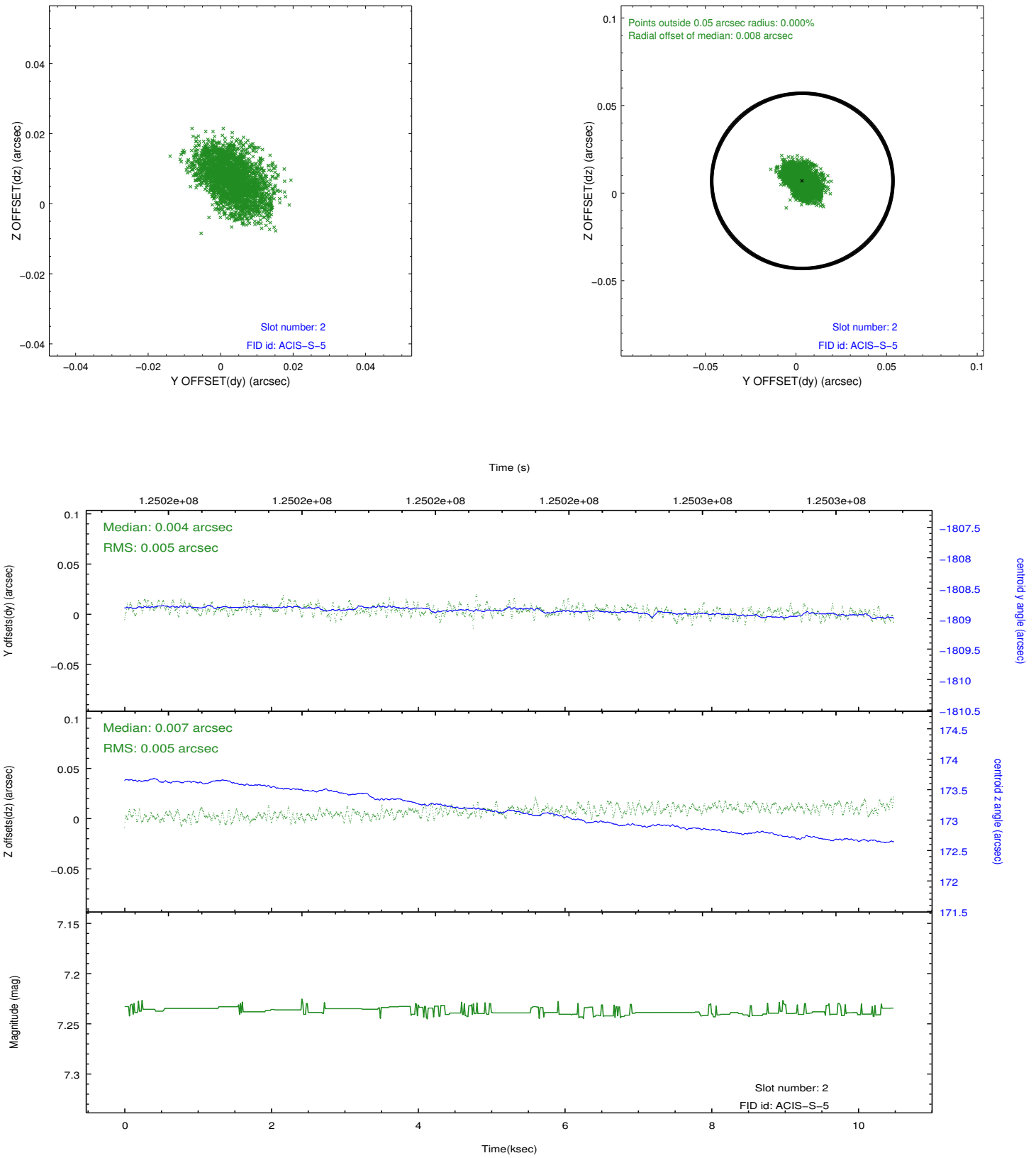
2.5.1 Slot 0



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)	2012.10.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.964

A.2 Comments

Joint proposal with HST.