

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7123 - L2 Version 2
Chandra X-Ray Center

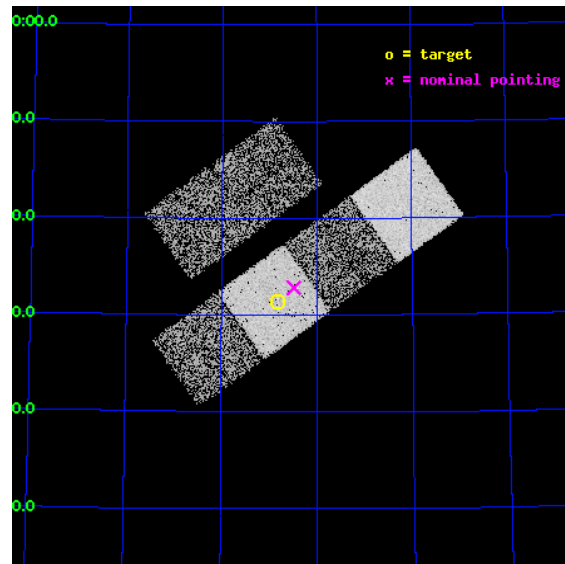
L2 Processing Date : Apr 2 2012

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1 Front

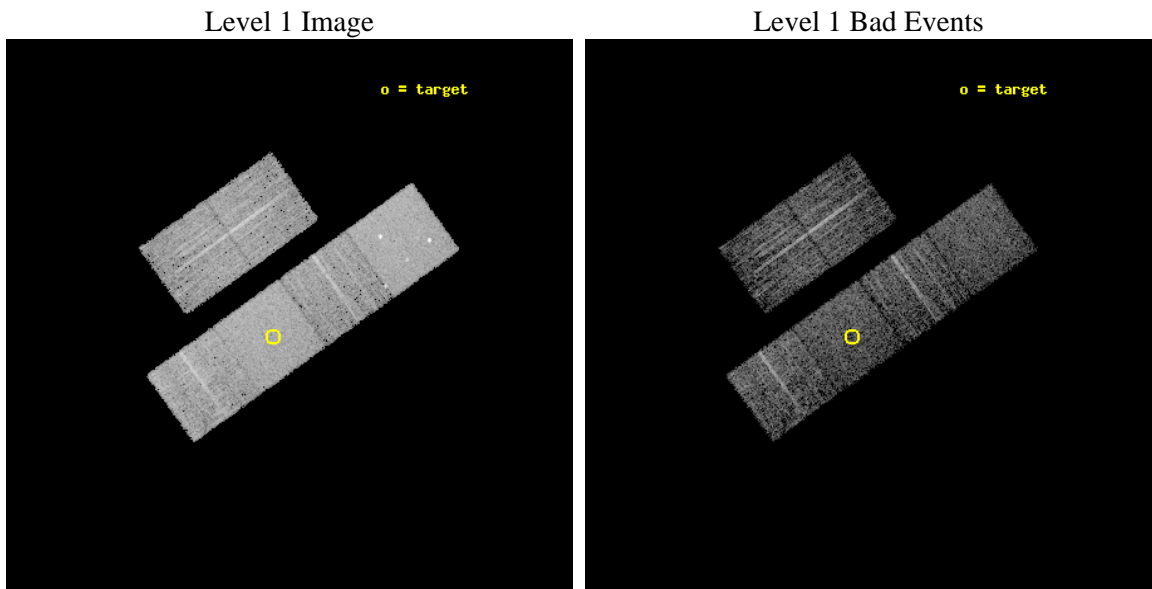
seq_num	600561	Sequence number
obs_id	7123	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 6689	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.709167	Observer's specified target RA [deg]
dec_targ	70.523889	Observer's specified target Dec [deg]
ra_nom	278.62144153506	Nominal RA [deg]
dec_nom	70.54705448083	Nominal Dec [deg]
roll_nom	144.34476093085	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3519.999986887	Sum of GTIs [s]
livetime	3475.4276275635	Livetime [s]
ontime2	3519.999986887	Sum of GTIs [s]
ontime3	3519.999986887	Sum of GTIs [s]
ontime5	3519.999986887	Sum of GTIs [s]
ontime6	3519.999986887	Sum of GTIs [s]
ontime7	3519.999986887	Sum of GTIs [s]
ontime8	3519.999986887	Sum of GTIs [s]
l2events	51108	Number of level 2 events



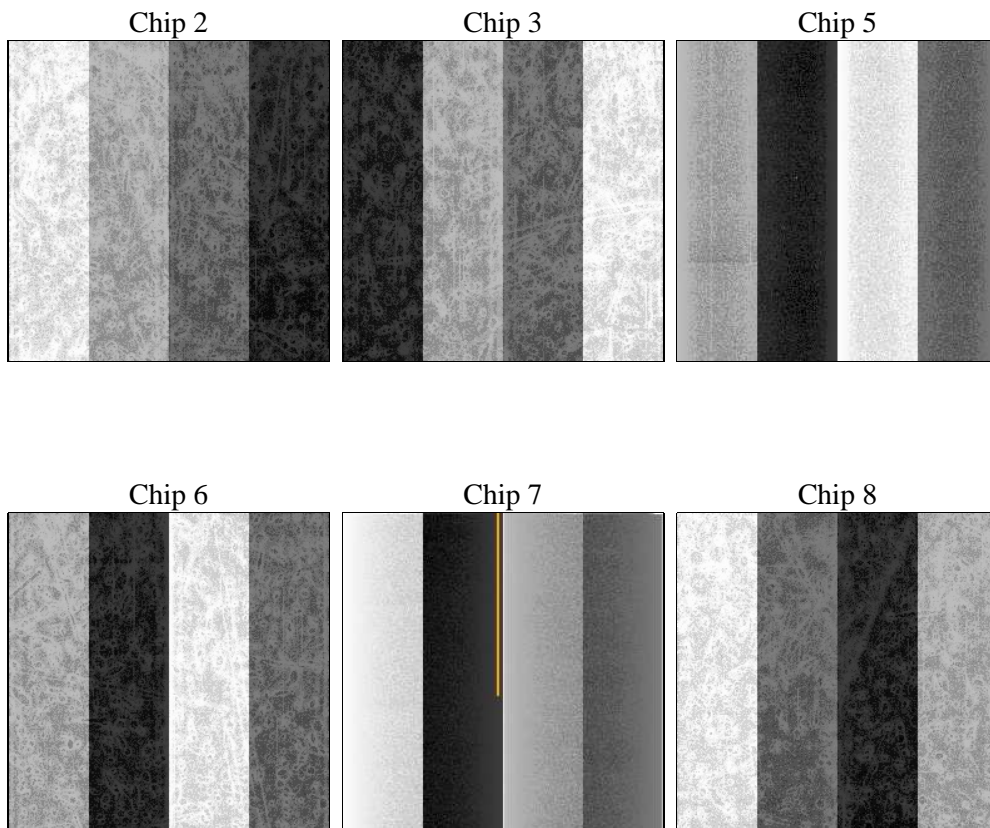
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3568.005000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3519.999986887	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3519.999986887	Sum of GTIs [s]
date	2012-04-02T03:15:17	Date and time of file creation	ontime3	3519.999986887	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3519.999986887	Sum of GTIs [s]
			ontime6	3519.999986887	Sum of GTIs [s]
			ontime7	3519.999986887	Sum of GTIs [s]
			ontime8	3519.999986887	Sum of GTIs [s]
			l1events	225506	Number of level 1 events

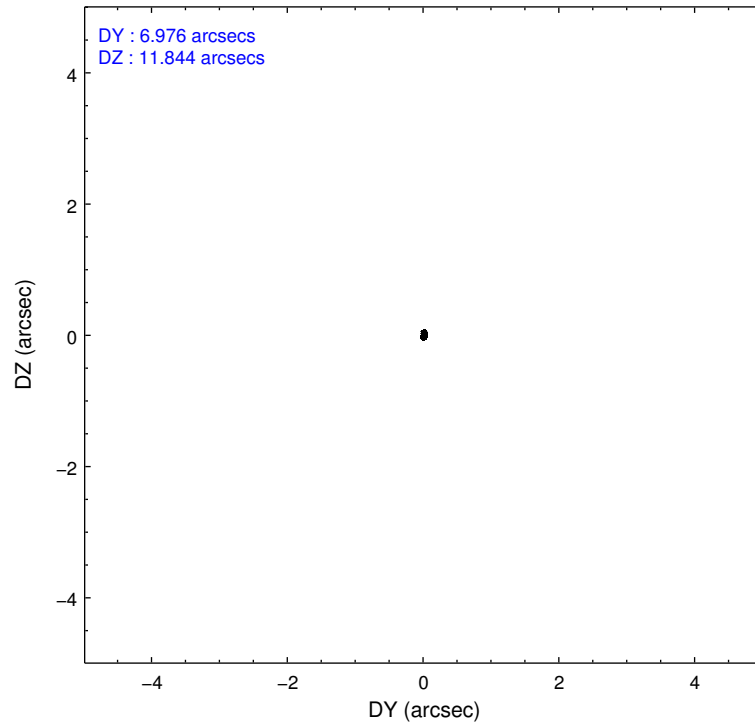
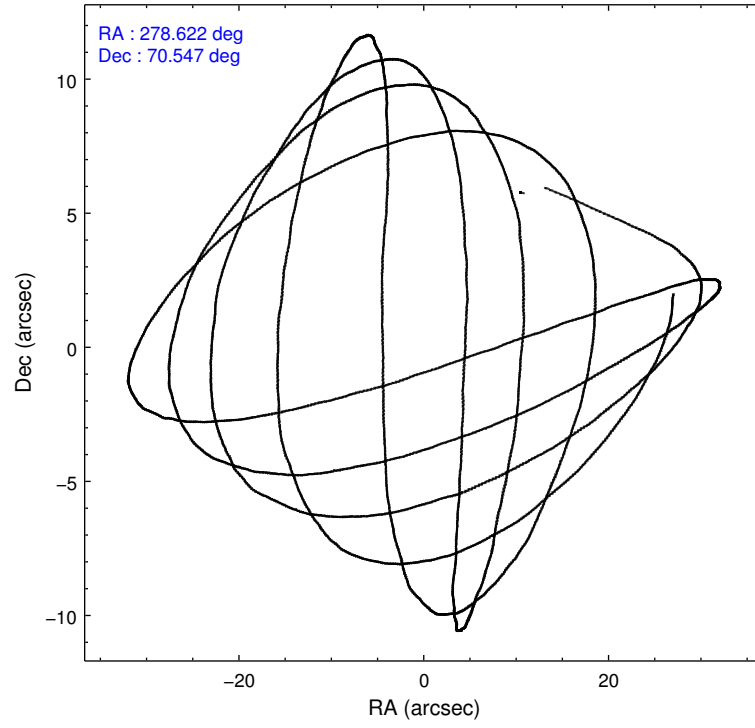
2.1.4 Events

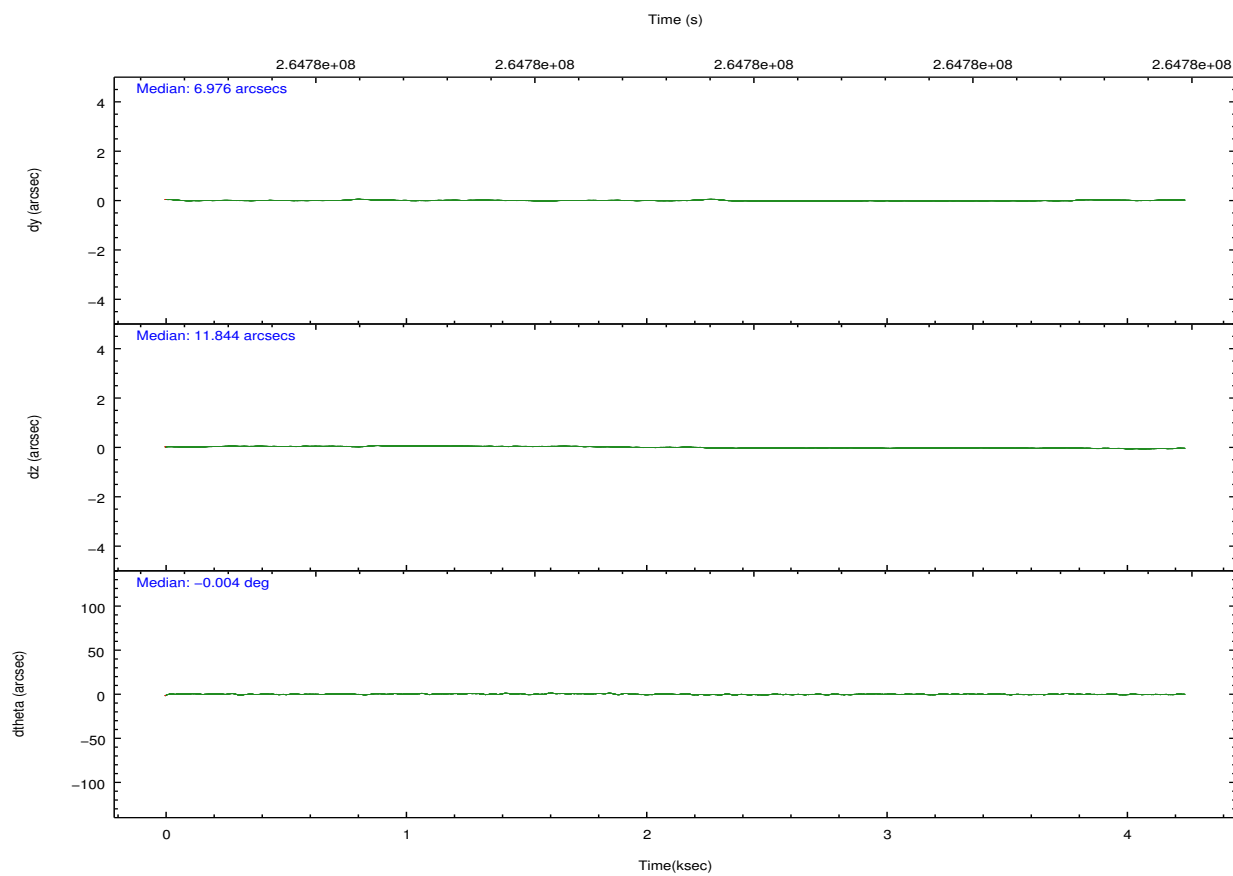
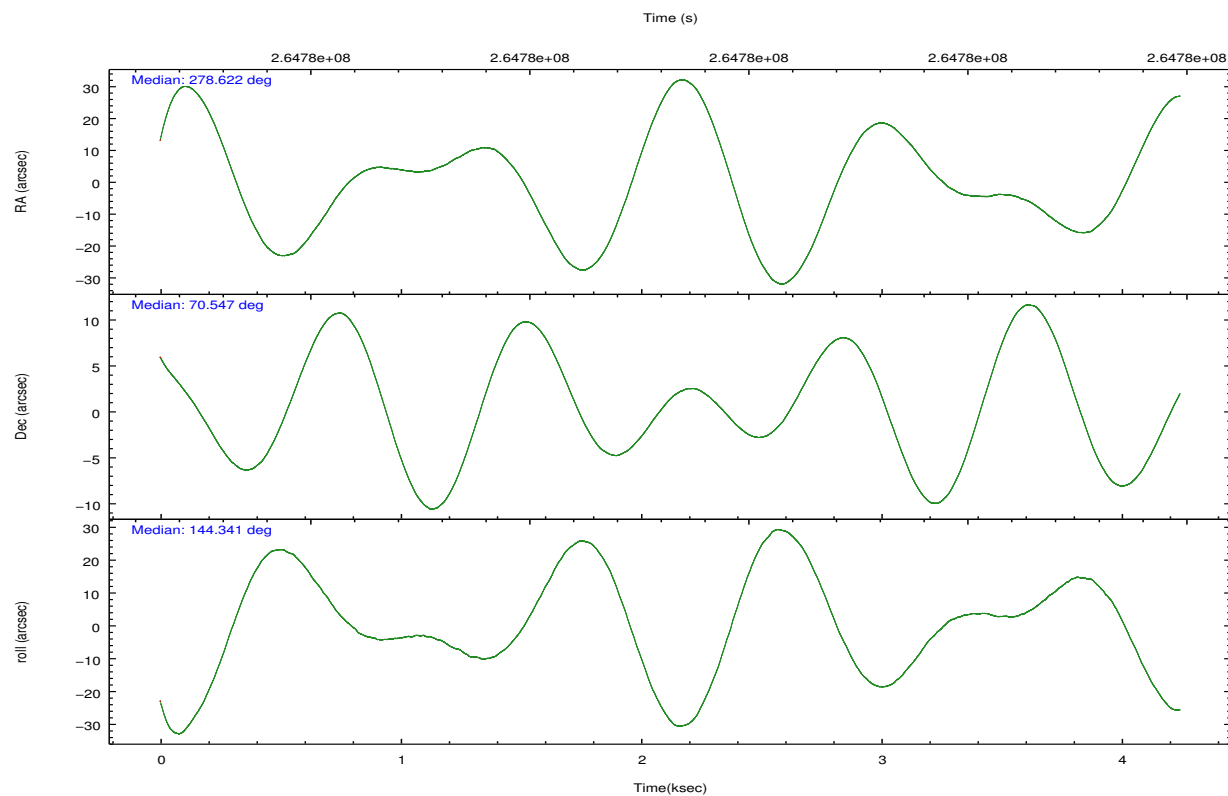
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32556	31686	48559	31088	42471	39146	grade 0 events	1715	1554	2885	1442	1616	2773
rejected events	28789	28106	25244	27372	24737	30620		5%	4%	5%	4%	3%	7%
rejected %	88%	88%	51%	88%	58%	78%	grade 1 events	20	20	84	15	40	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	763	725	7265	806	3521	1832
								2%	2%	14%	2%	8%	4%
							grade 3 events	349	359	861	350	1602	900
								1%	1%	1%	1%	3%	2%
							grade 4 events	330	341	839	359	1526	832
								1%	1%	1%	1%	3%	2%
							grade 5 events	1304	1463	3491	1484	4075	1857
								4%	4%	7%	4%	9%	4%
							grade 6 events	616	611	11505	766	9506	2195
								1%	1%	23%	2%	22%	5%
							grade 7 events	27459	26613	21629	25866	20585	28730
								84%	83%	44%	83%	48%	73%

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	278.702708	278.6214415350637	Subarray requested	NONE	NONE
[deg] Pointing Dec	70.544793	70.54705448083014	Alternating exposures requested	N	N
[deg] Pointing Roll	144.111524	144.3447609308502	[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)	264778192.184000	264776986.07623			
Observation start date	2006-05-23T13:28:47	2006-05-23T13:09:46			
[s] Observation end time (MET)	264781760.184000	264781978.85147			
Observation end date	2006-05-23T14:28:15	2006-05-23T14:32:58			
Read mode	TIMED	TIMED			

2.3 Aspect



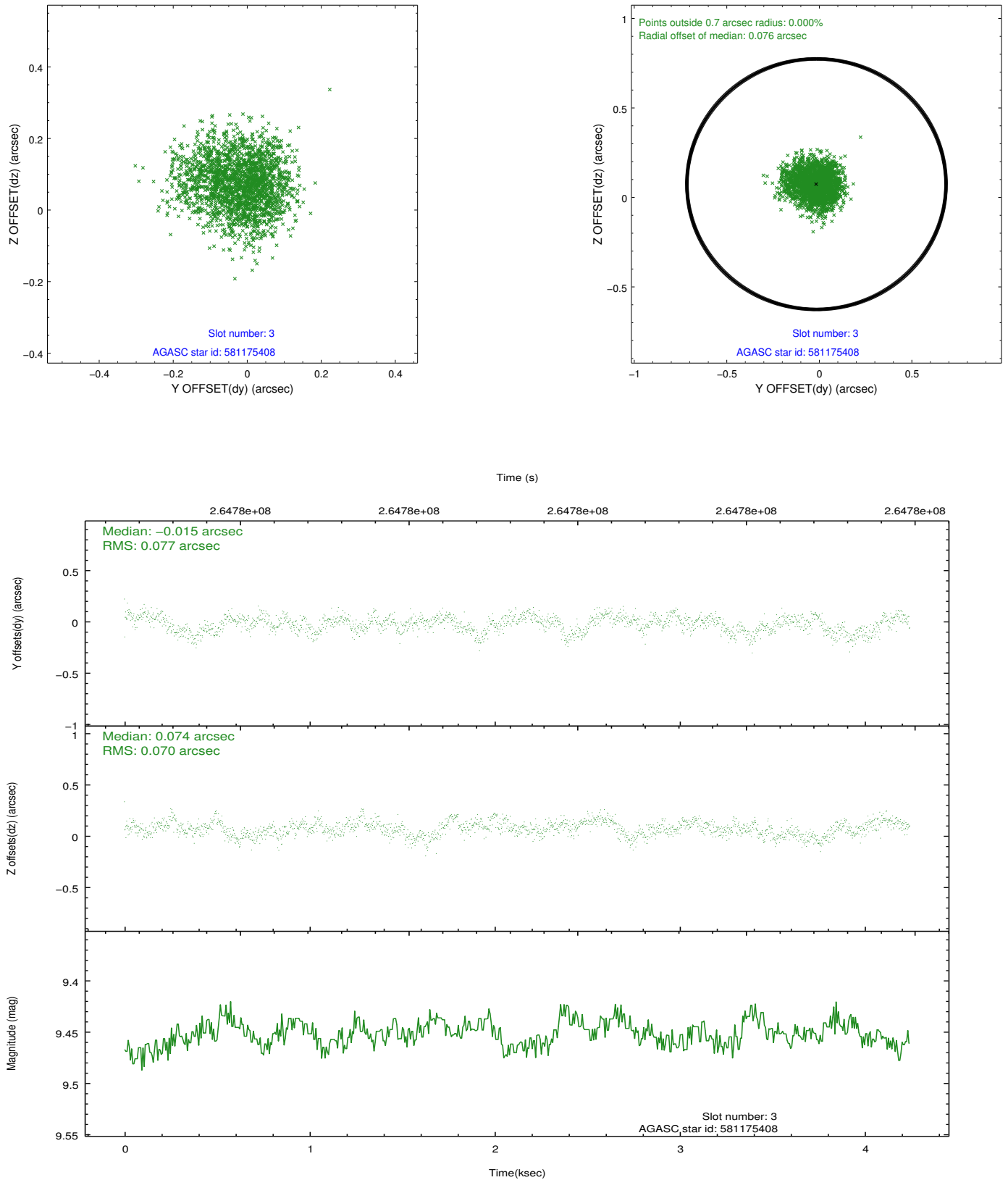


Slot Statistics

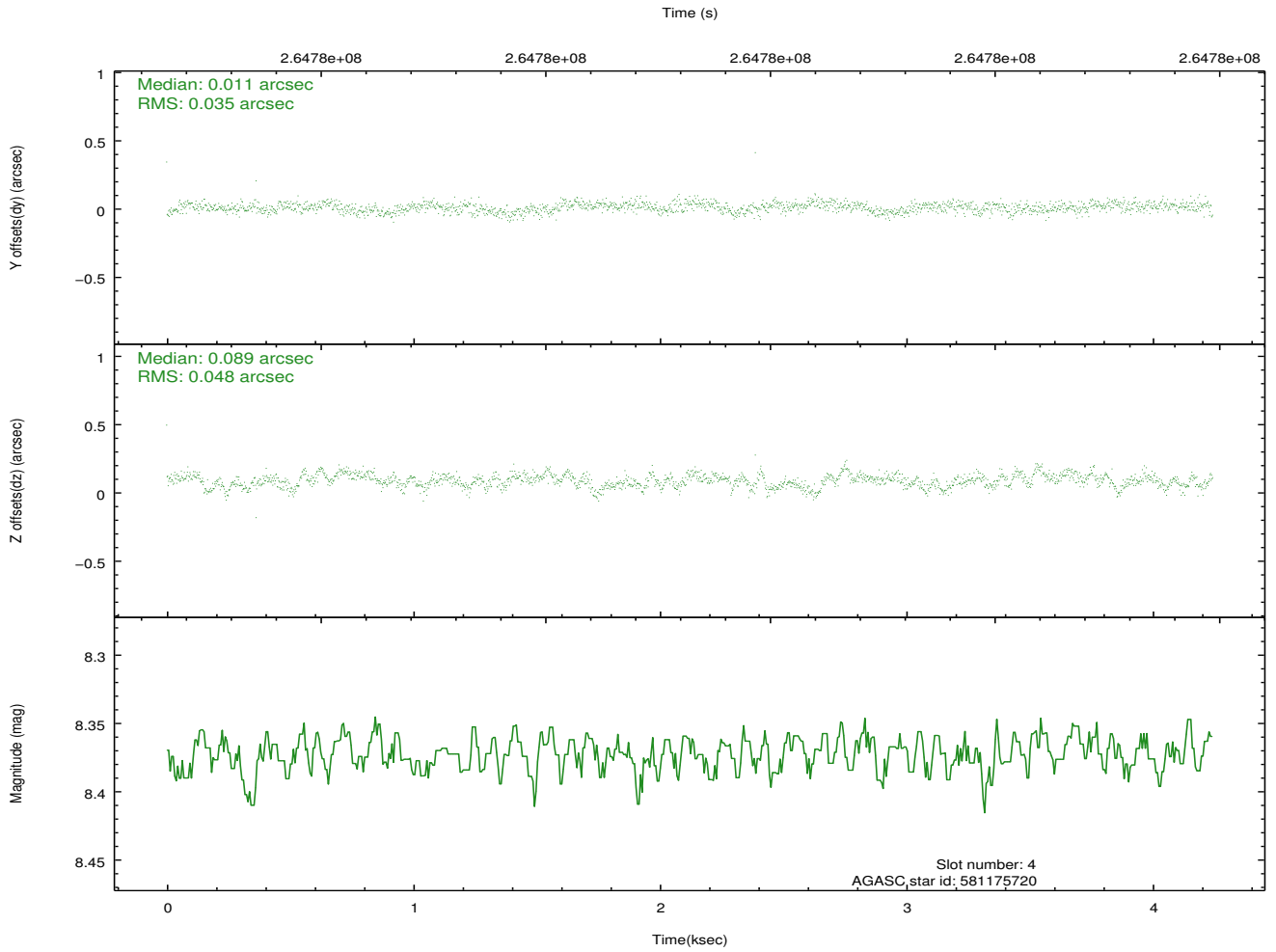
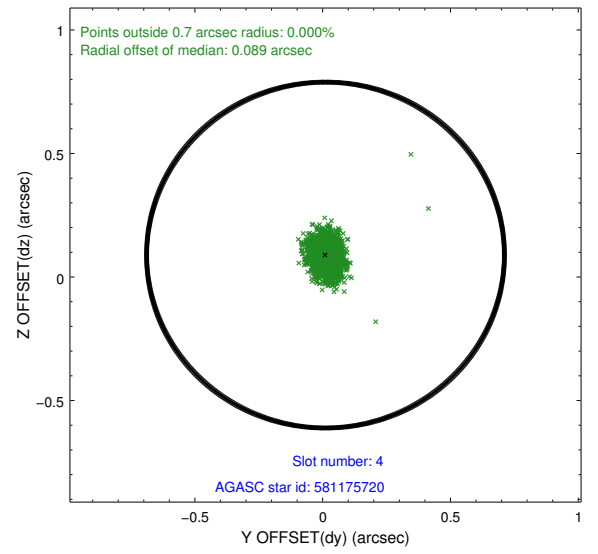
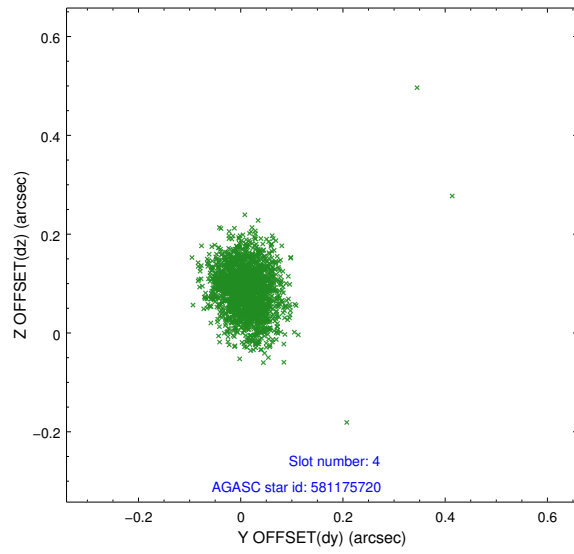
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1036	-0.038	-0.034	0.007	0.011	0.000000	0.000000	-759.76	-1733.18
1	FID	ACIS-S-4	7.20	1036	0.093	0.027	0.006	0.010	0.000000	0.000000	2152.98	173.86
2	FID	ACIS-S-5	7.23	1035	-0.086	0.016	0.007	0.013	0.000000	0.000000	-1810.78	169.17
3	GUIDE	581175408	9.45	2071	-0.015	0.074	0.113	0.176	280.433833	70.393607	-1994.86	-809.48
4	GUIDE	581175720	8.37	2070	0.011	0.089	0.060	0.101	279.169543	70.883259	269.34	-1311.73
5	GUIDE	581177448	8.28	2071	-0.015	-0.043	0.075	0.112	280.689215	70.568677	-1853.15	-1496.33
6	GUIDE	581186136	8.58	2071	0.075	0.011	0.063	0.099	276.453220	70.422106	1968.16	1907.08
7	GUIDE	581188256	9.26	2068	-0.051	-0.128	0.093	0.149	277.950616	69.909989	-581.53	2392.83

2.4 Star Slots

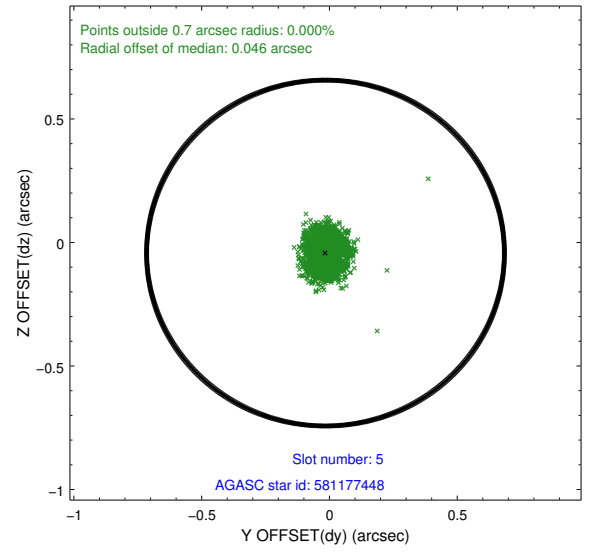
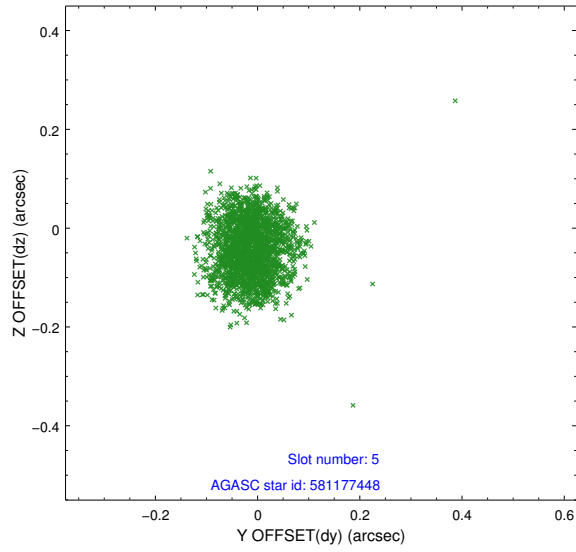
2.4.1 Slot 3



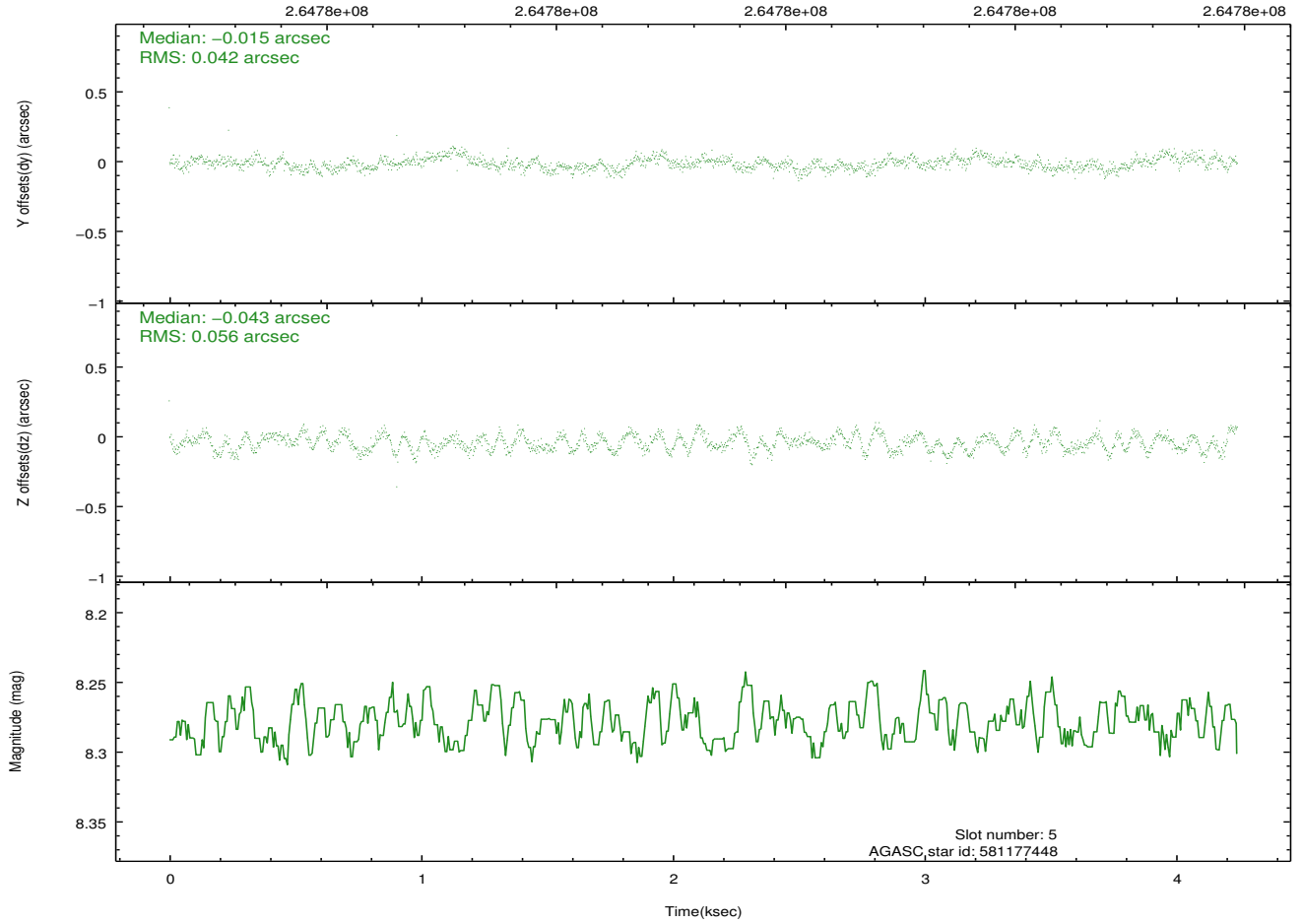
2.4.2 Slot 4



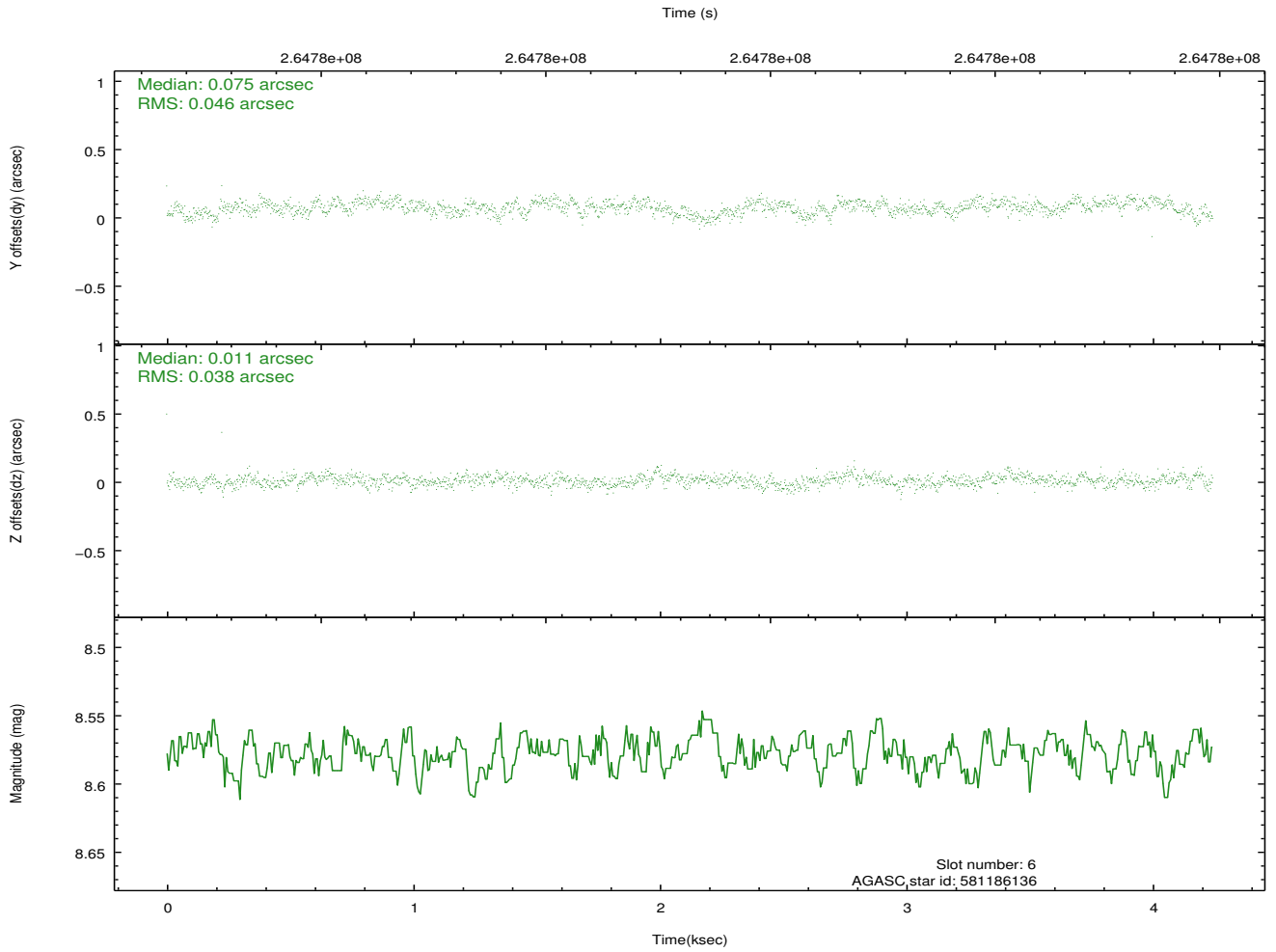
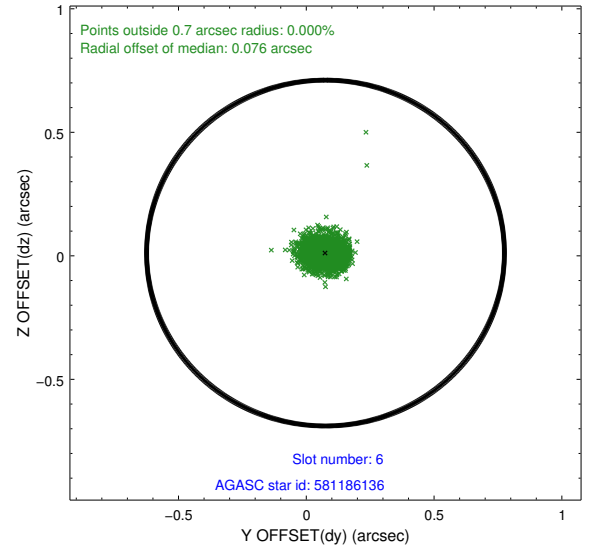
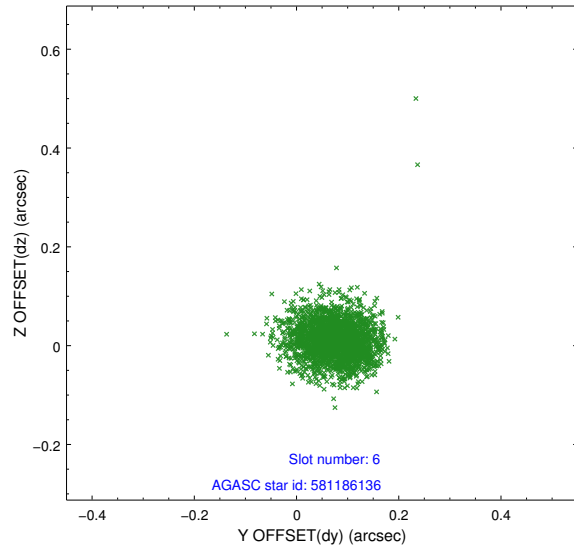
2.4.3 Slot 5



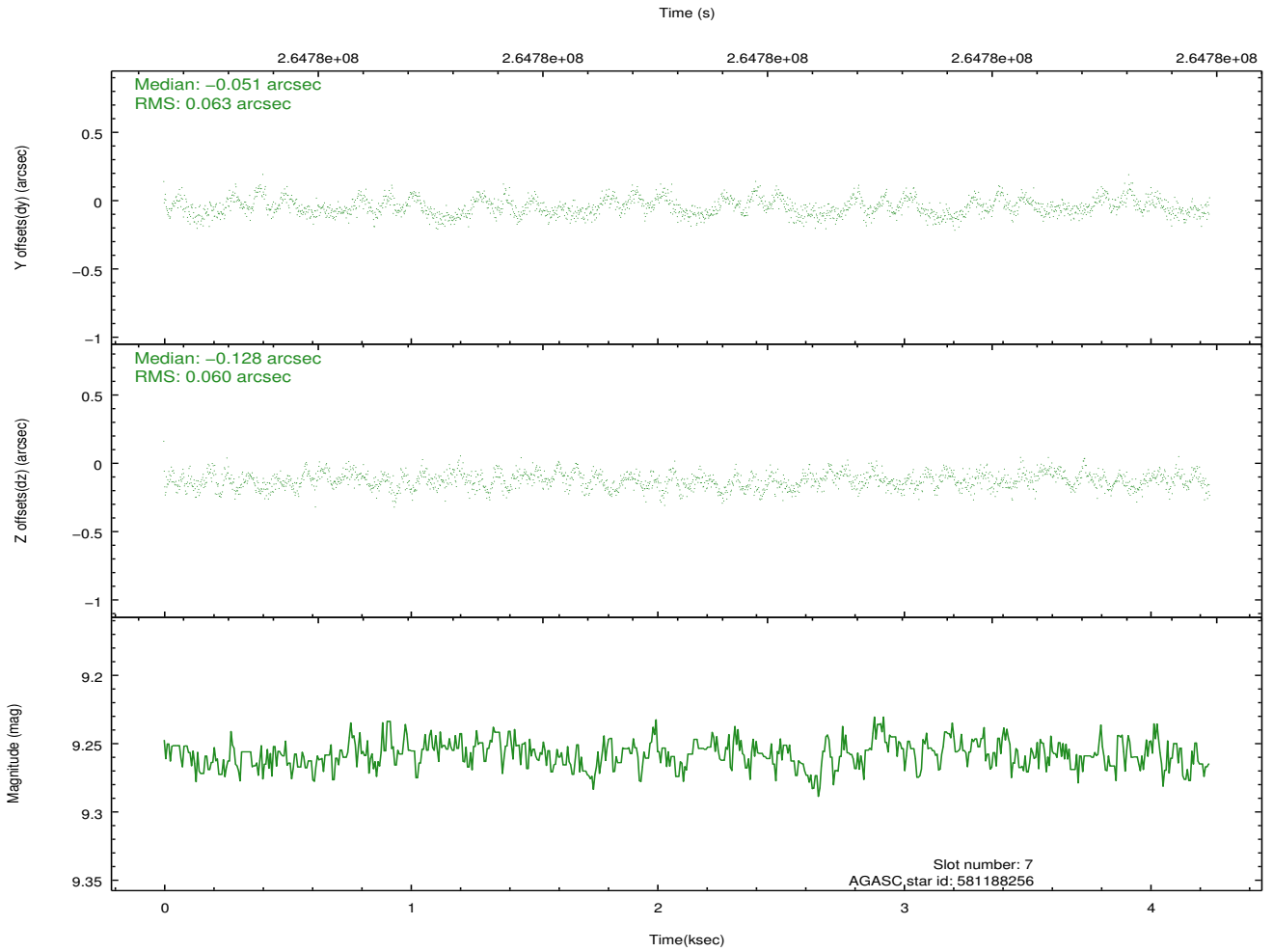
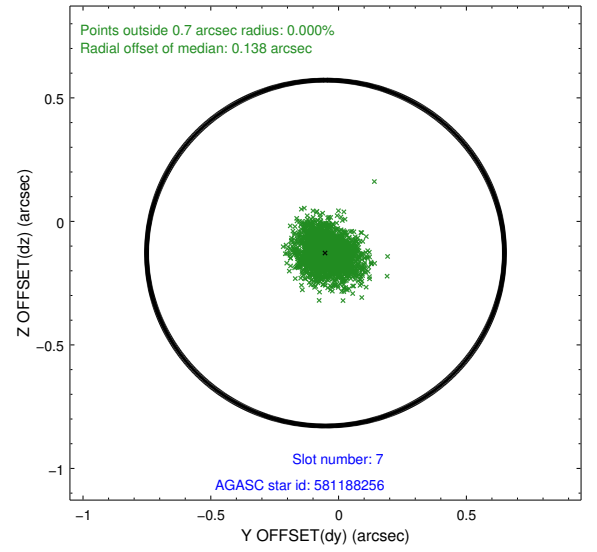
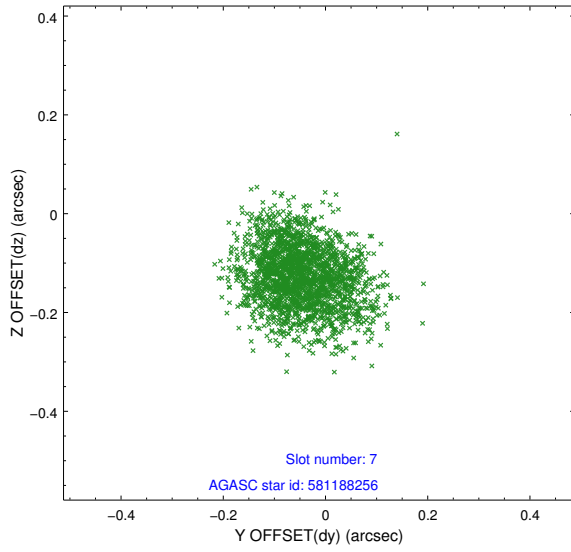
Time (s)



2.4.4 Slot 6

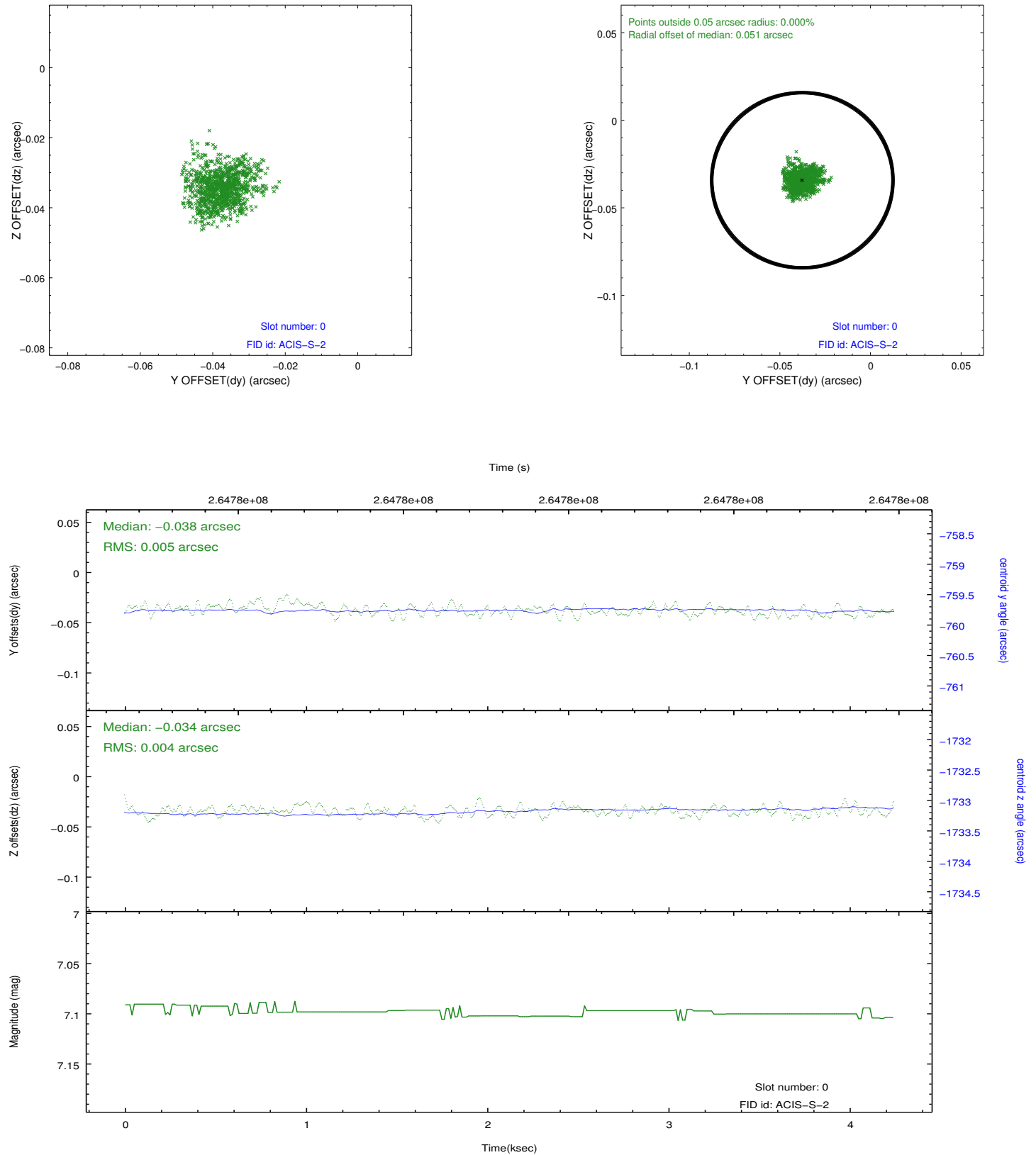


2.4.5 Slot 7

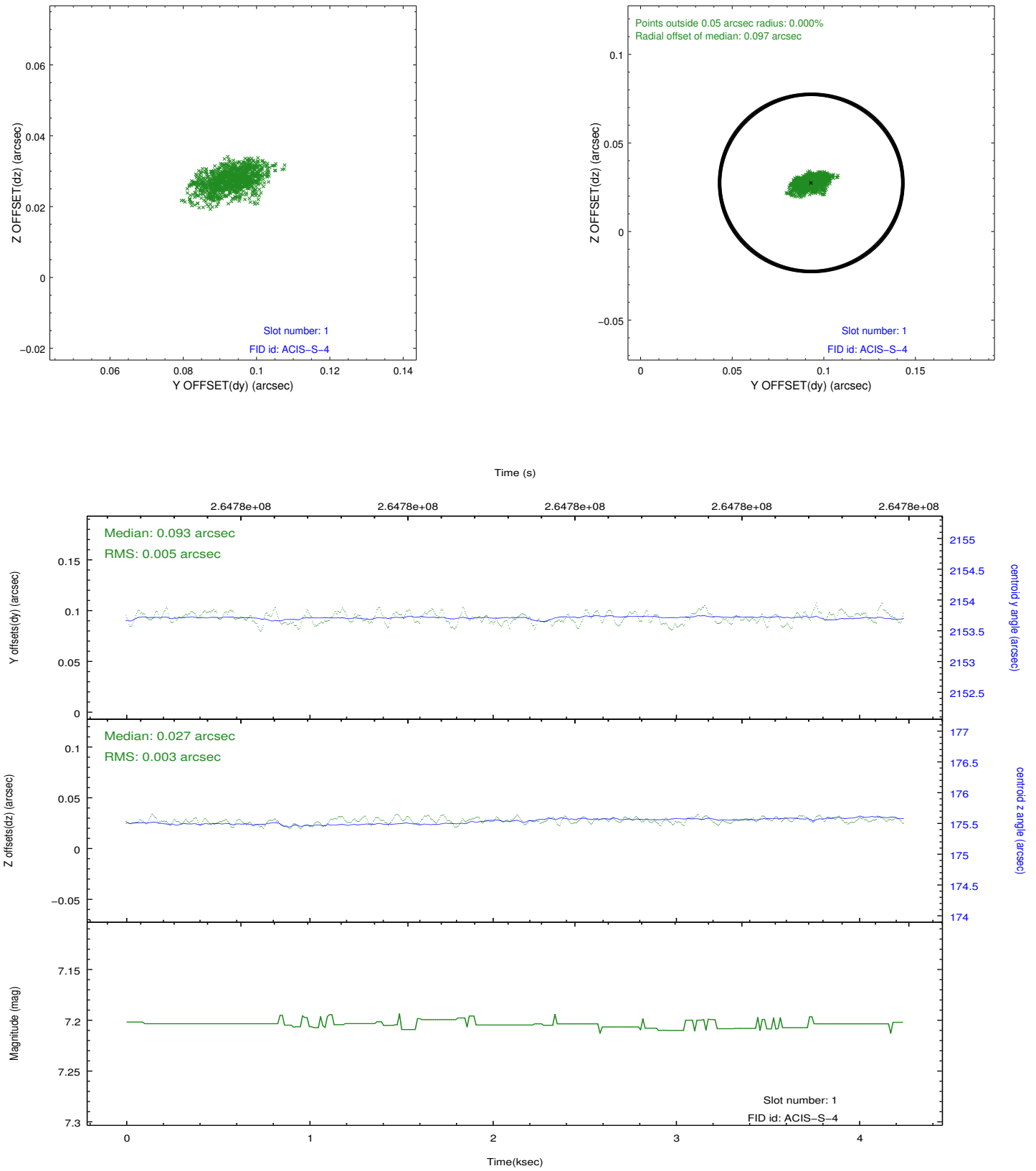


2.5 FID Slots

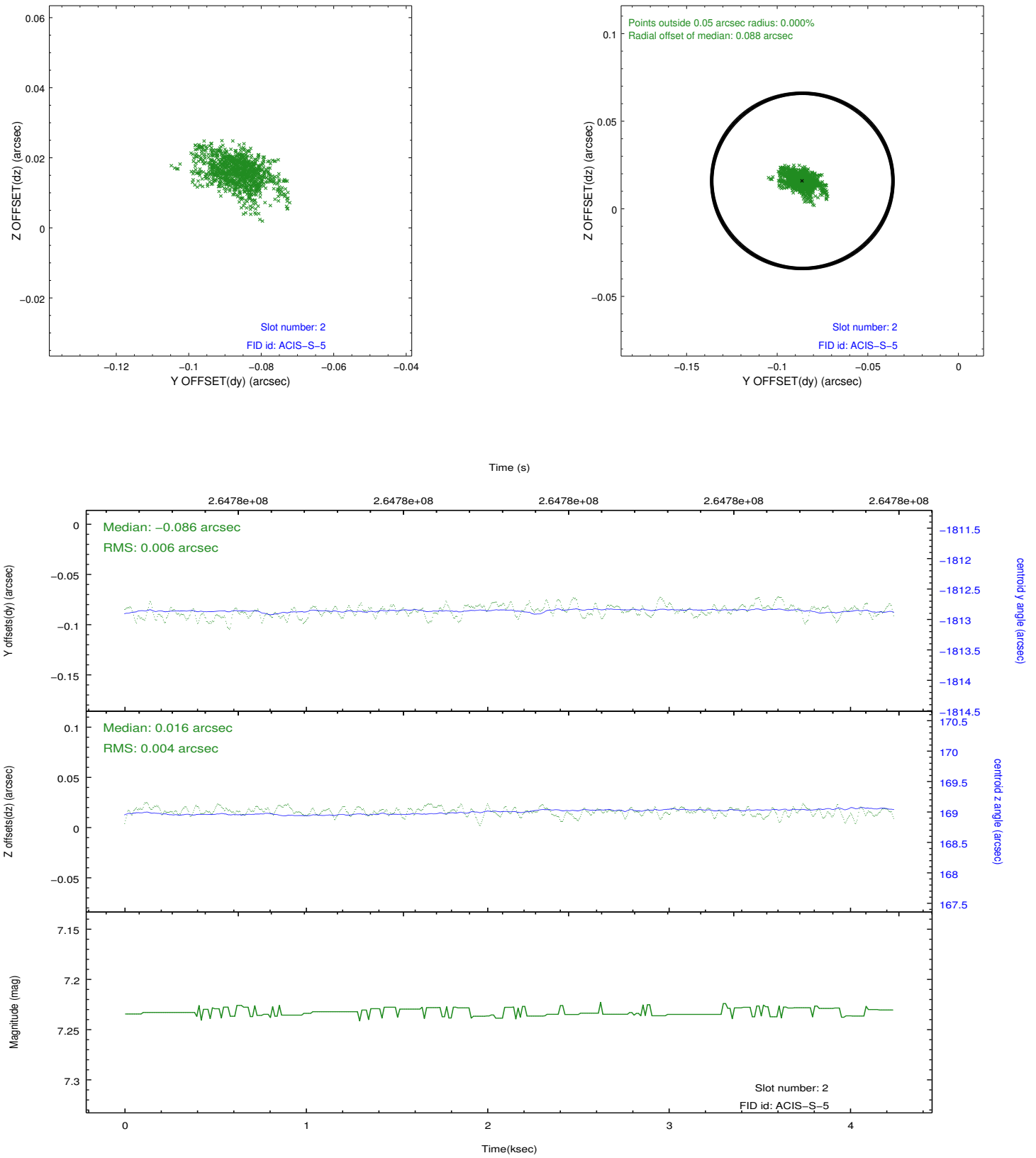
2.5.1 Slot 0



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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.51999998

A.2 Comments