

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4861 - L2 Version 3
Chandra X-Ray Center

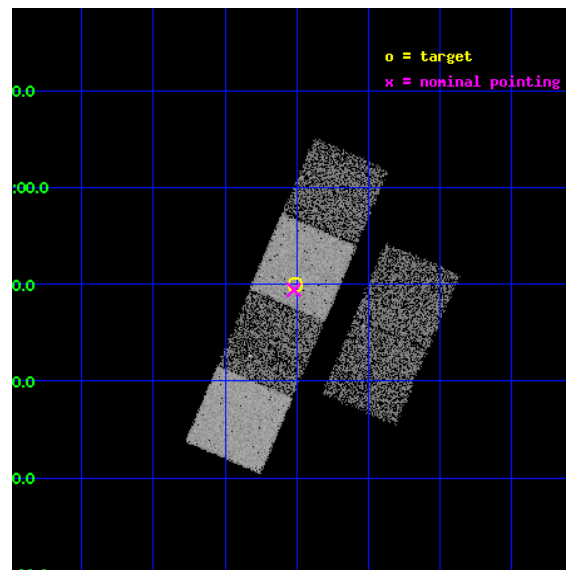
L2 Processing Date : Nov 7 2012

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1 Front

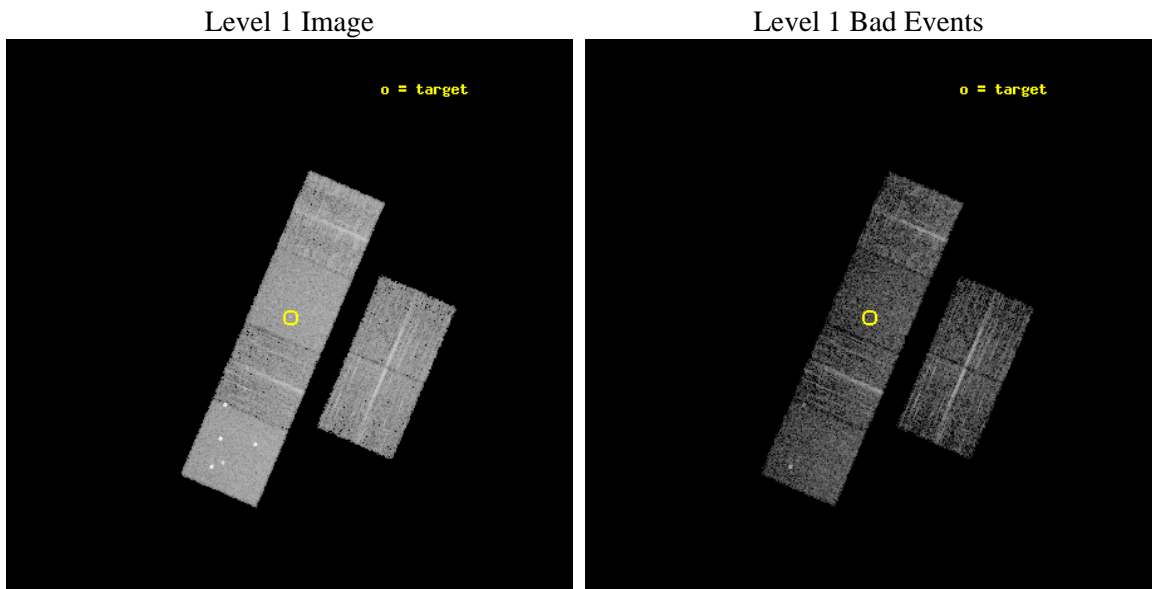
seq_num	700943	Sequence number
obs_id	4861	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J000230.71+004959.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.627917	Observer's specified target RA [deg]
dec_targ	0.833083	Observer's specified target Dec [deg]
ra_nom	0.63009424093733	Nominal RA [deg]
dec_nom	0.82368806002277	Nominal Dec [deg]
roll_nom	293.13271871427	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5743.7630187869	Sum of GTIs [s]
livetime	5671.0320329642	Livetime [s]
ontime2	5743.8040587902	Sum of GTIs [s]
ontime3	5743.639898777	Sum of GTIs [s]
ontime5	5743.7219787836	Sum of GTIs [s]
ontime6	5743.6809387803	Sum of GTIs [s]
ontime7	5743.7630187869	Sum of GTIs [s]
ontime8	5740.357878536	Sum of GTIs [s]
l2events	58026	Number of level 2 events



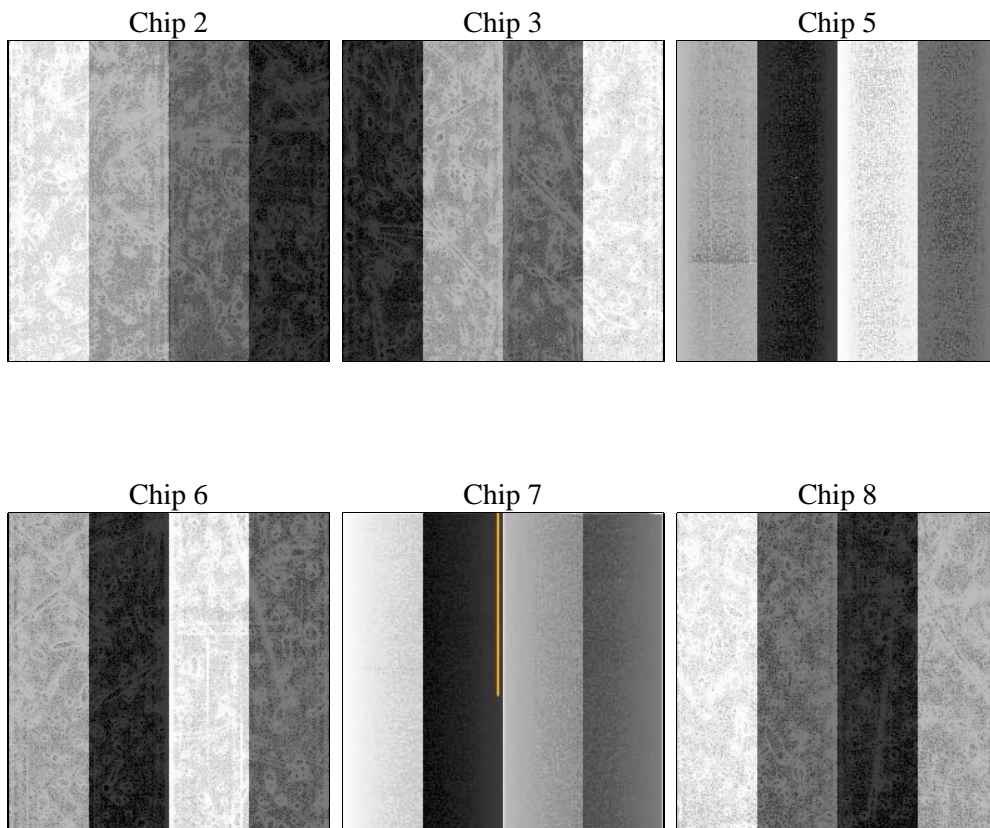
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5730.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5743.7630187869	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	5743.8040587902	Sum of GTIs [s]
date	2012-11-07T12:46:40	Date and time of file creation	ontime3	5743.639898777	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5743.7219787836	Sum of GTIs [s]
			ontime6	5743.6809387803	Sum of GTIs [s]
			ontime7	5743.7630187869	Sum of GTIs [s]
			ontime8	5740.357878536	Sum of GTIs [s]
			l1events	244546	Number of level 1 events

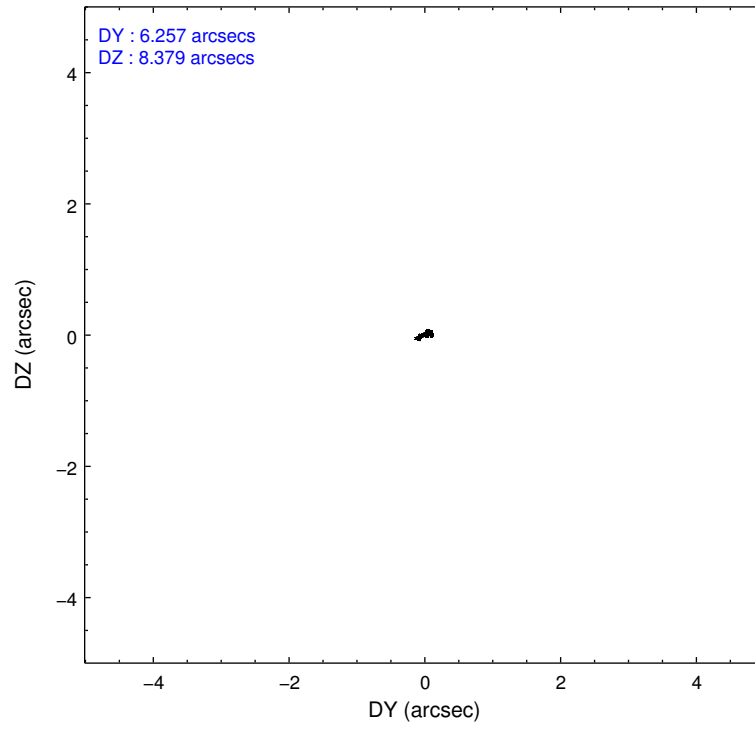
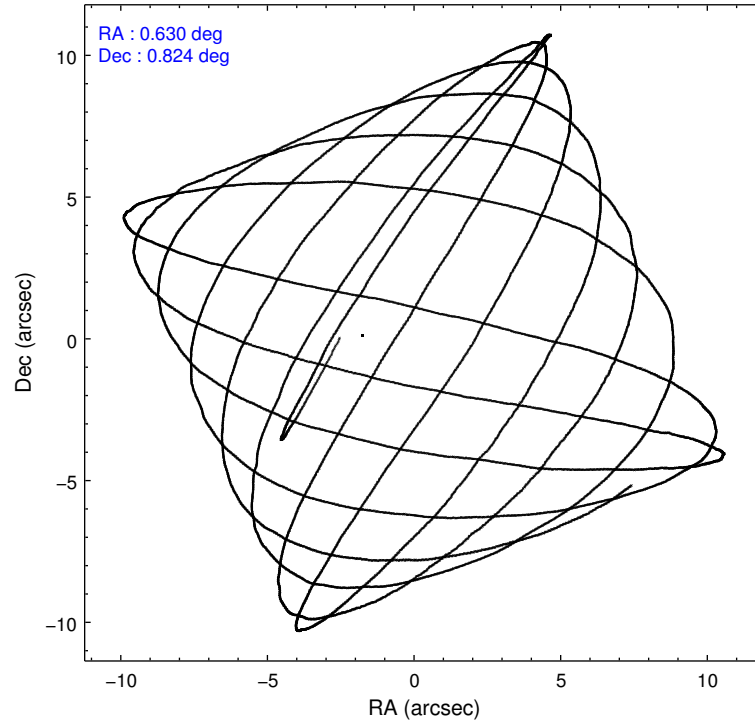
2.1.4 Events

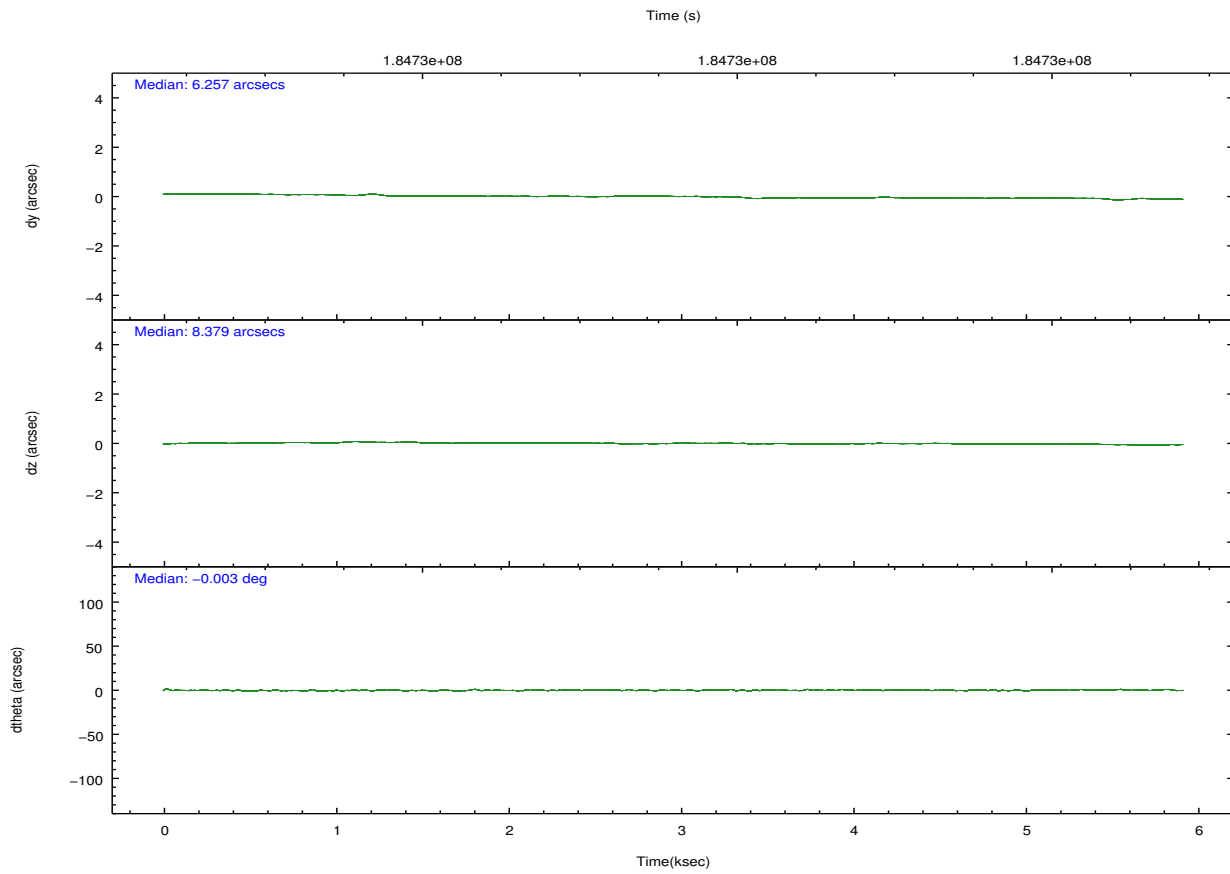
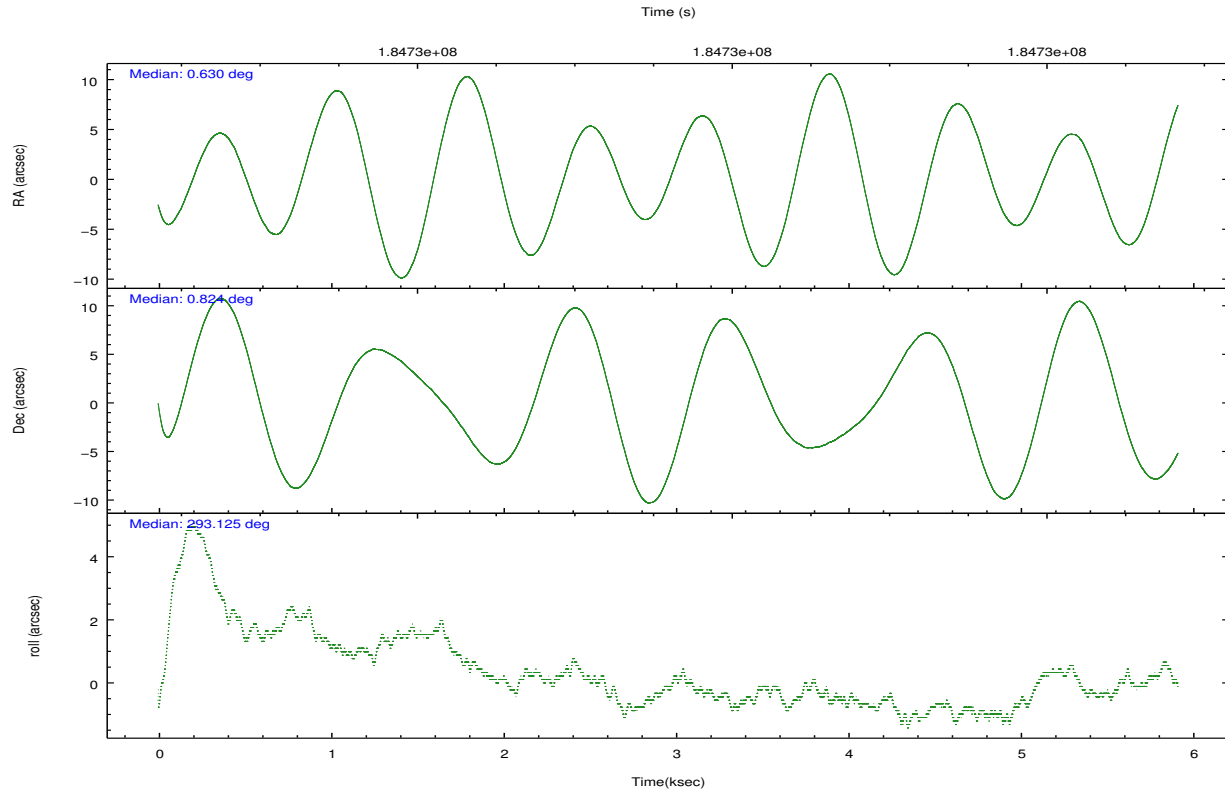
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33739	31971	55030	33520	45148	45138	grade 0 events	2227	1969	5857	1961	1999	4387
rejected events	29006	27573	26709	28854	25400	32692		6%	6%	10%	5%	4%	9%
rejected %	85%	86%	48%	86%	56%	72%	grade 1 events	18	22	95	7	51	31
								0%	0%	0%	0%	0%	0%
							grade 2 events	935	929	7645	1002	3980	2232
								2%	2%	13%	2%	8%	4%
							grade 3 events	395	412	1203	408	1734	1560
								1%	1%	2%	1%	3%	3%
							grade 4 events	411	372	1377	384	1824	1514
								1%	1%	2%	1%	4%	3%
							grade 5 events	1234	1410	3679	1416	4193	1944
								3%	4%	6%	4%	9%	4%
							grade 6 events	773	722	12266	917	10234	2791
								2%	2%	22%	2%	22%	6%
							grade 7 events	27746	26135	22908	27425	21133	30679
								82%	81%	41%	81%	46%	67%

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	0.608091	0.6300942409373294	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.839704	0.8236880600227655	Alternating exposures requested	N	N
[deg] Pointing Roll	292.976410	293.1327187142719	[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)	184728818.184000	184727829.59944			
Observation start date	2003-11-09T01:32:34	2003-11-09T01:17:09			
[s] Observation end time (MET)	184734548.184000	184734718.62474			
Observation end date	2003-11-09T03:08:04	2003-11-09T03:11:58			
Read mode	TIMED	TIMED			

2.3 Aspect



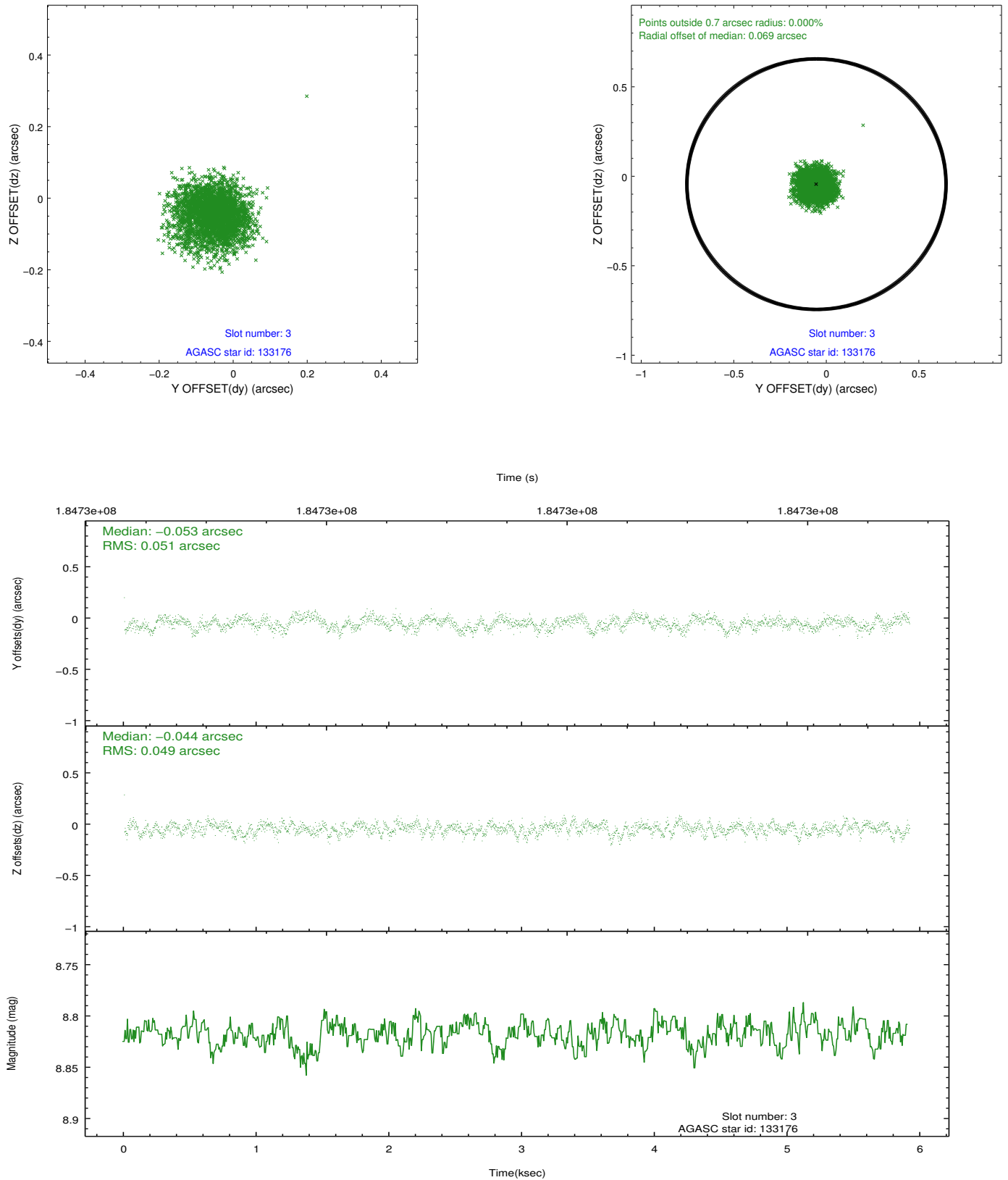


Slot Statistics

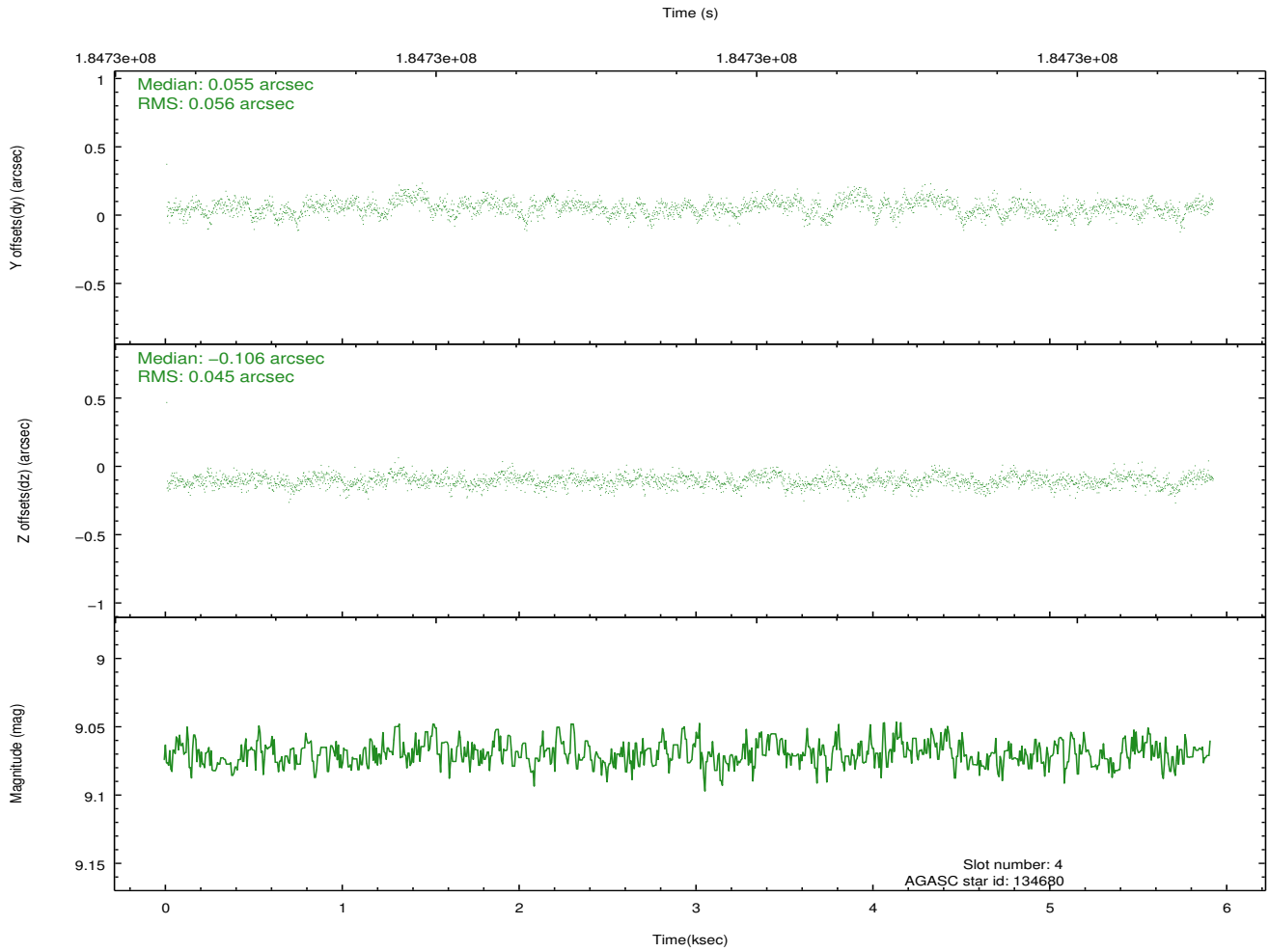
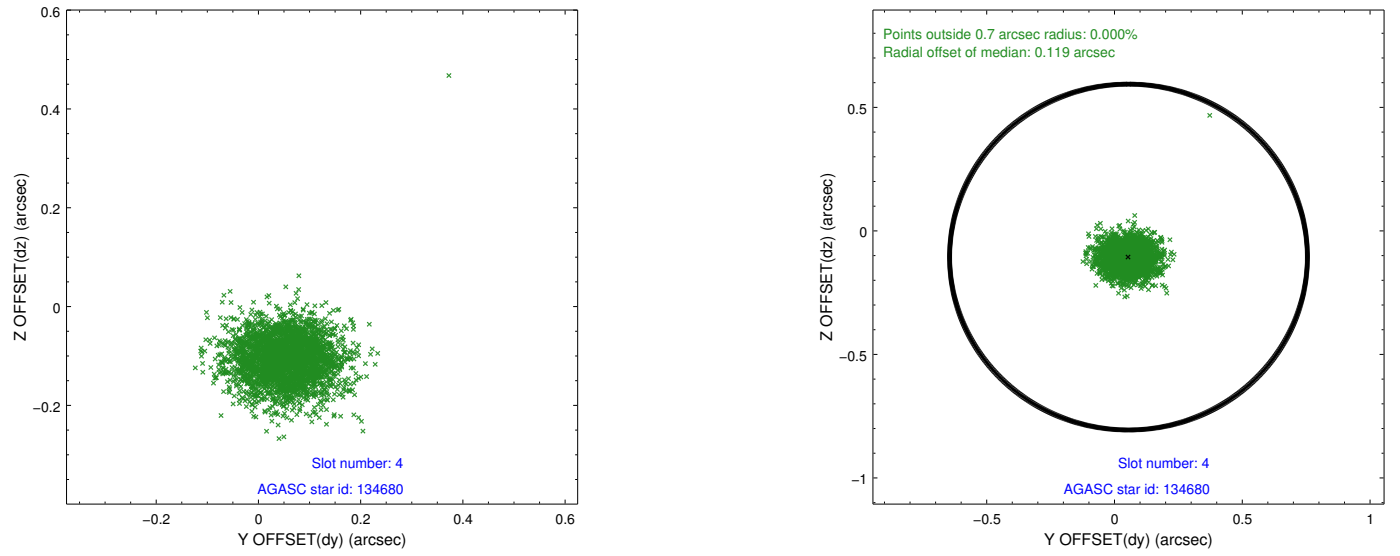
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1443	-0.035	-0.046	0.006	0.011	0.000000	0.000000	-759.03	-1729.62
1	FID	ACIS-S-4	7.21	1443	0.067	0.029	0.005	0.011	0.000000	0.000000	2153.91	177.87
2	FID	ACIS-S-5	7.23	1443	-0.063	0.026	0.006	0.011	0.000000	0.000000	-1810.59	172.73
3	GUIDE	133176	8.82	2887	-0.053	-0.044	0.076	0.121	0.143410	1.066215	-1403.26	-1221.44
4	GUIDE	134680	9.07	2886	0.055	-0.106	0.074	0.125	0.365086	0.301584	1442.23	-1561.68
5	GUIDE	135536	9.40	2886	0.148	0.094	0.093	0.150	0.959742	0.617998	1229.84	853.92
6	GUIDE	137624	8.93	2886	-0.160	0.099	0.084	0.138	0.912395	1.586158	-2046.30	2057.69
7	GUIDE	139192	7.80	2886	0.003	-0.039	0.063	0.102	0.162932	0.222932	1418.74	-2340.90

2.4 Star Slots

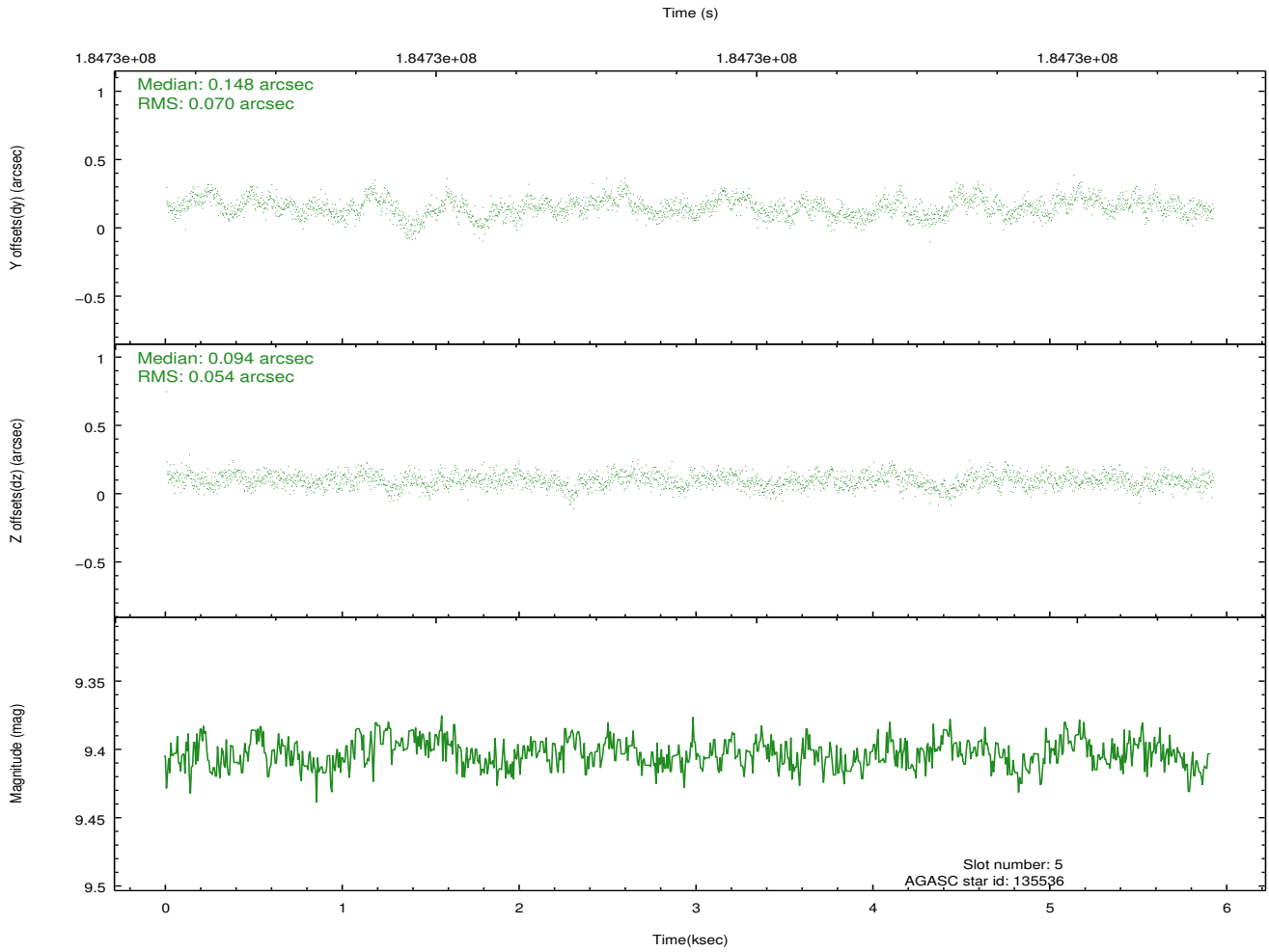
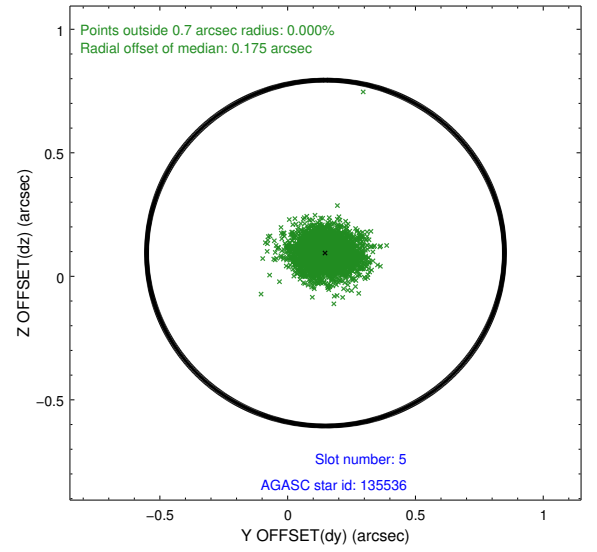
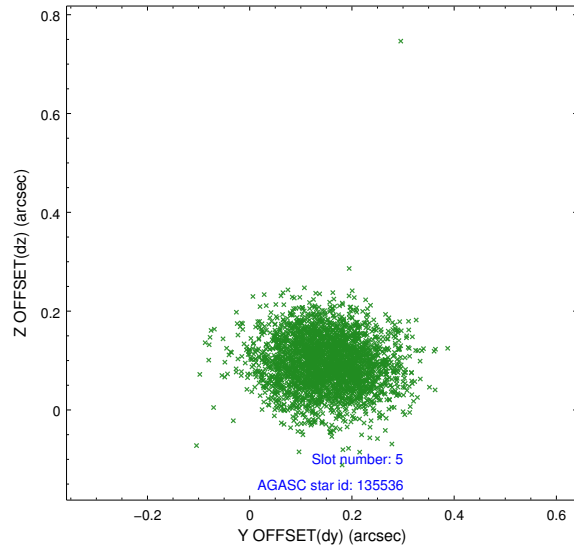
2.4.1 Slot 3



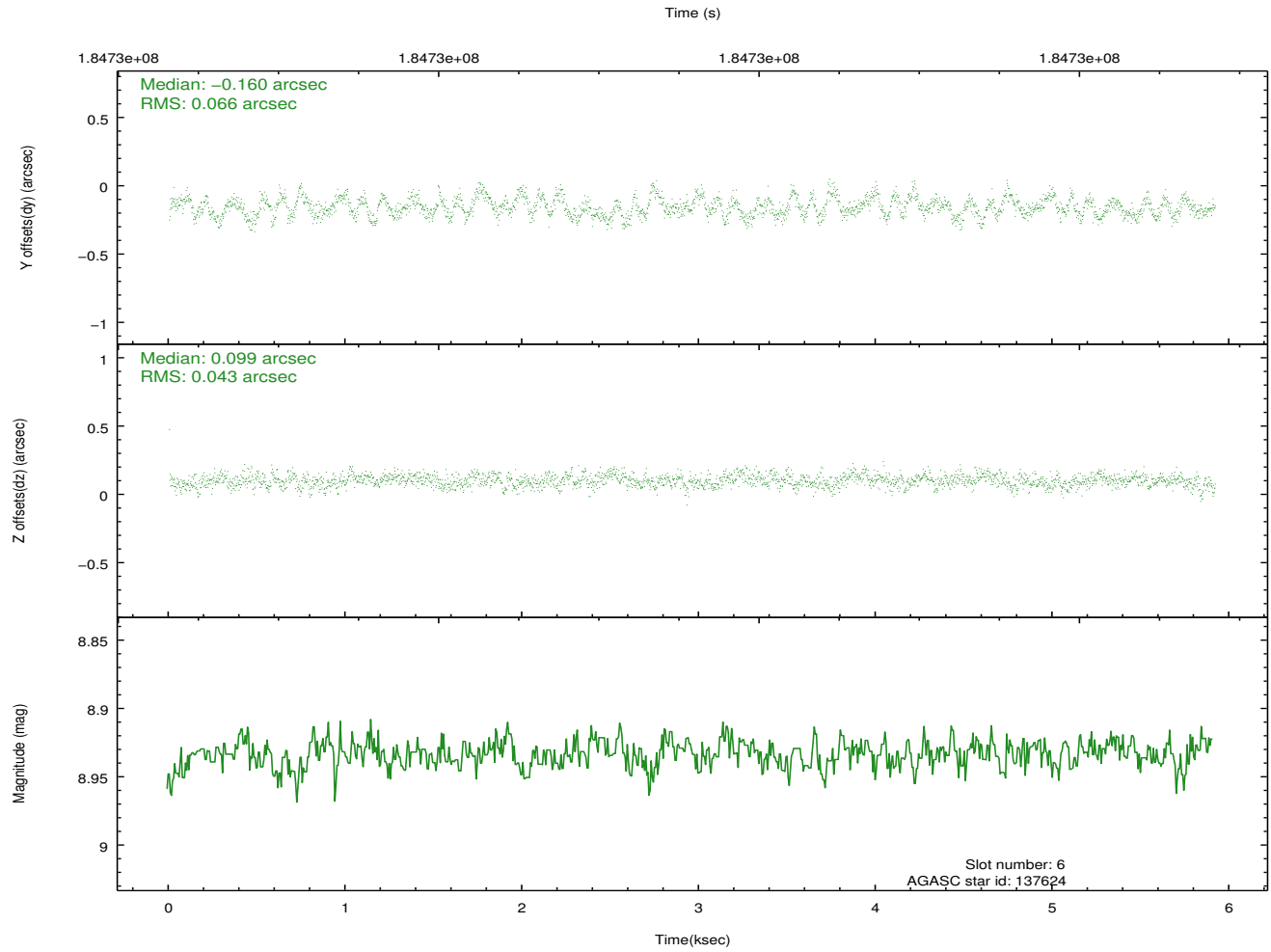
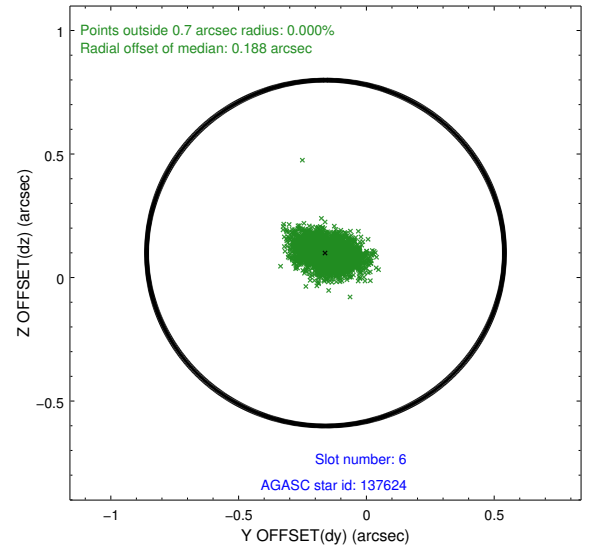
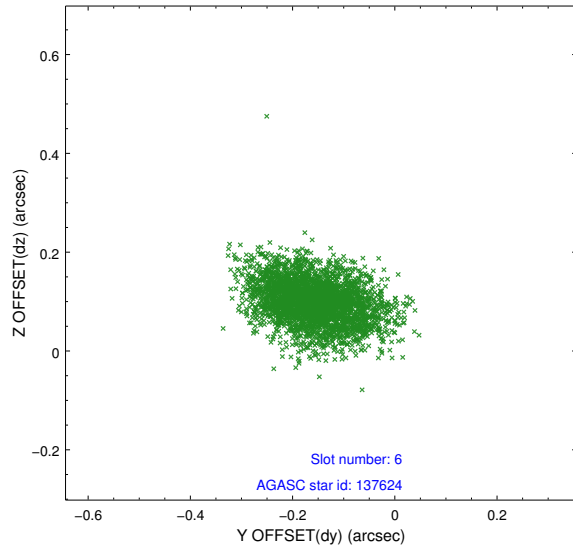
2.4.2 Slot 4



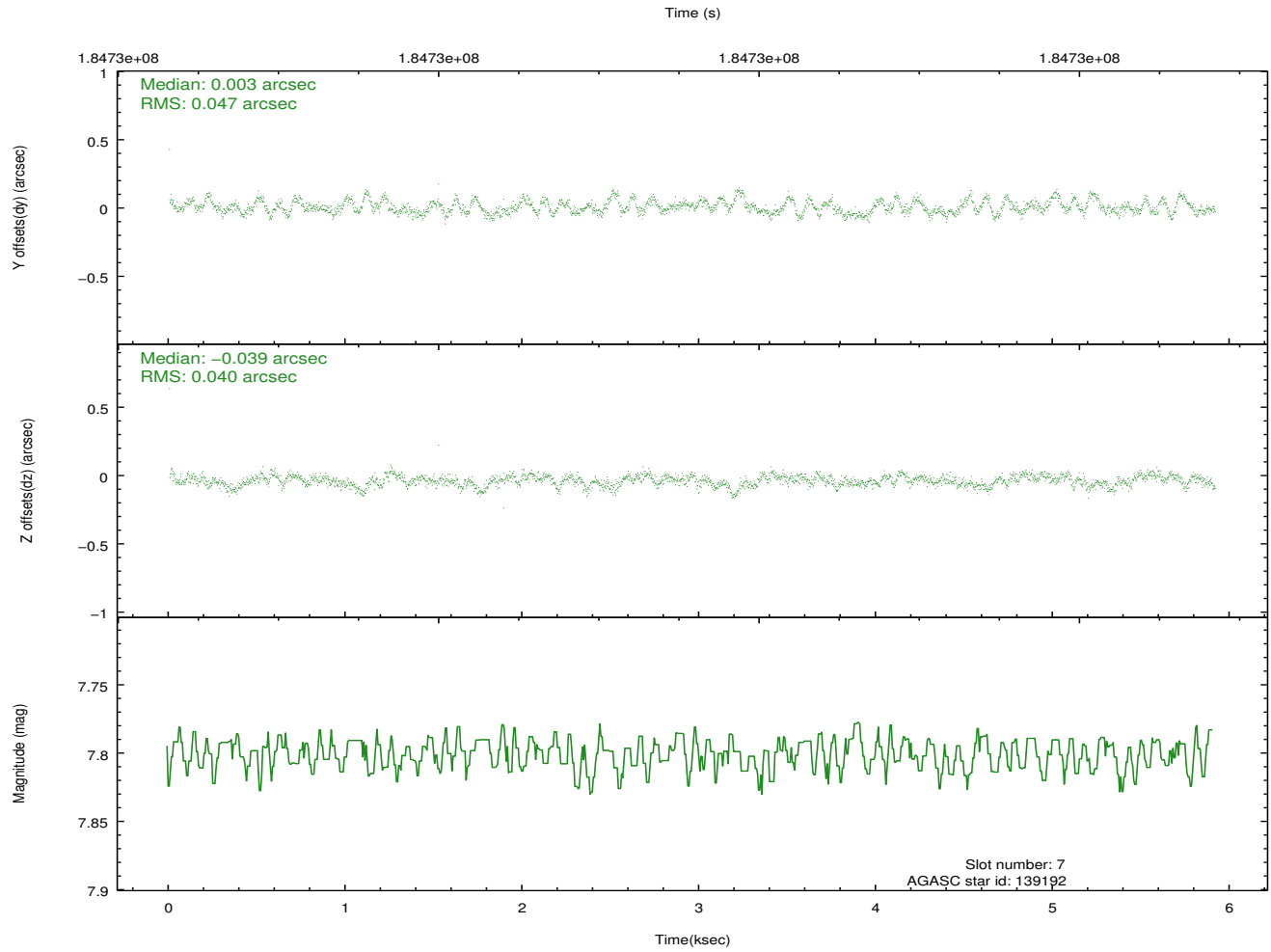
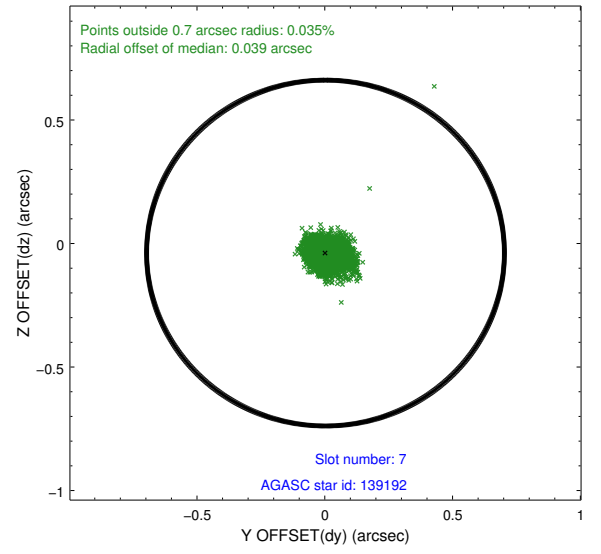
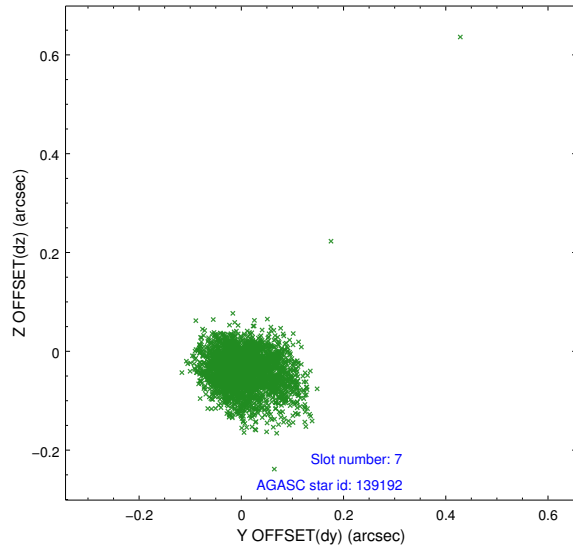
2.4.3 Slot 5



2.4.4 Slot 6

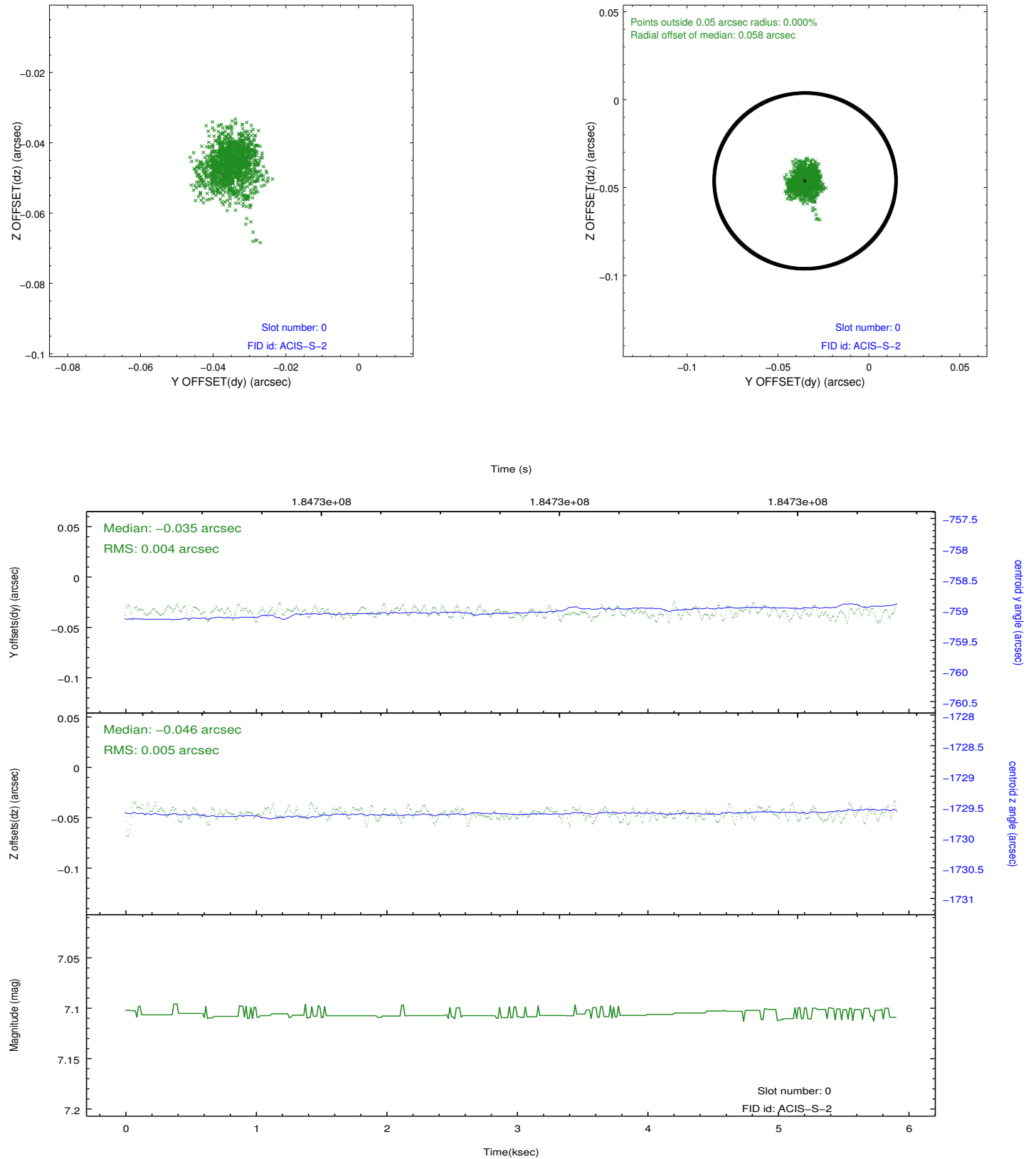


2.4.5 Slot 7

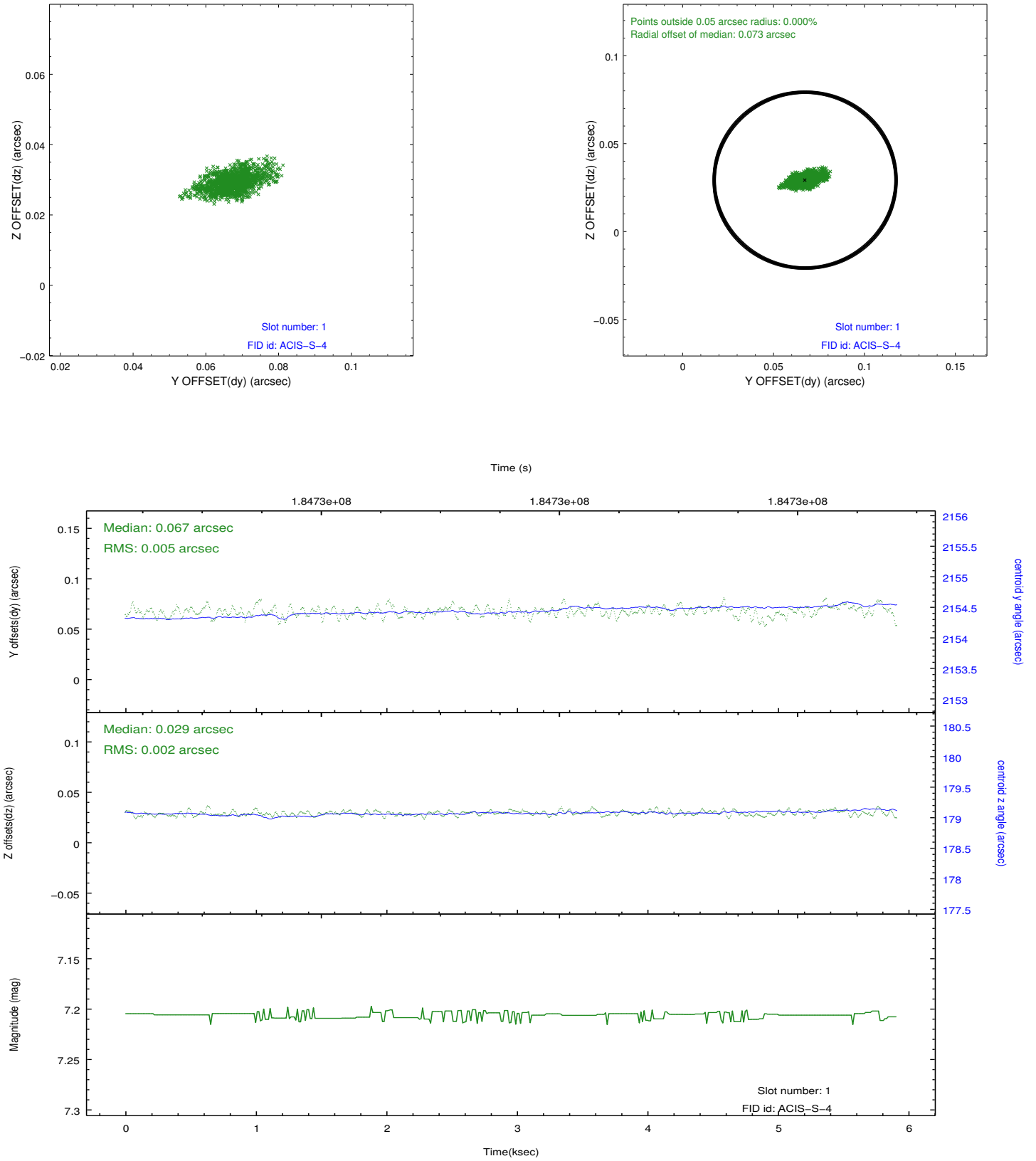


2.5 FID Slots

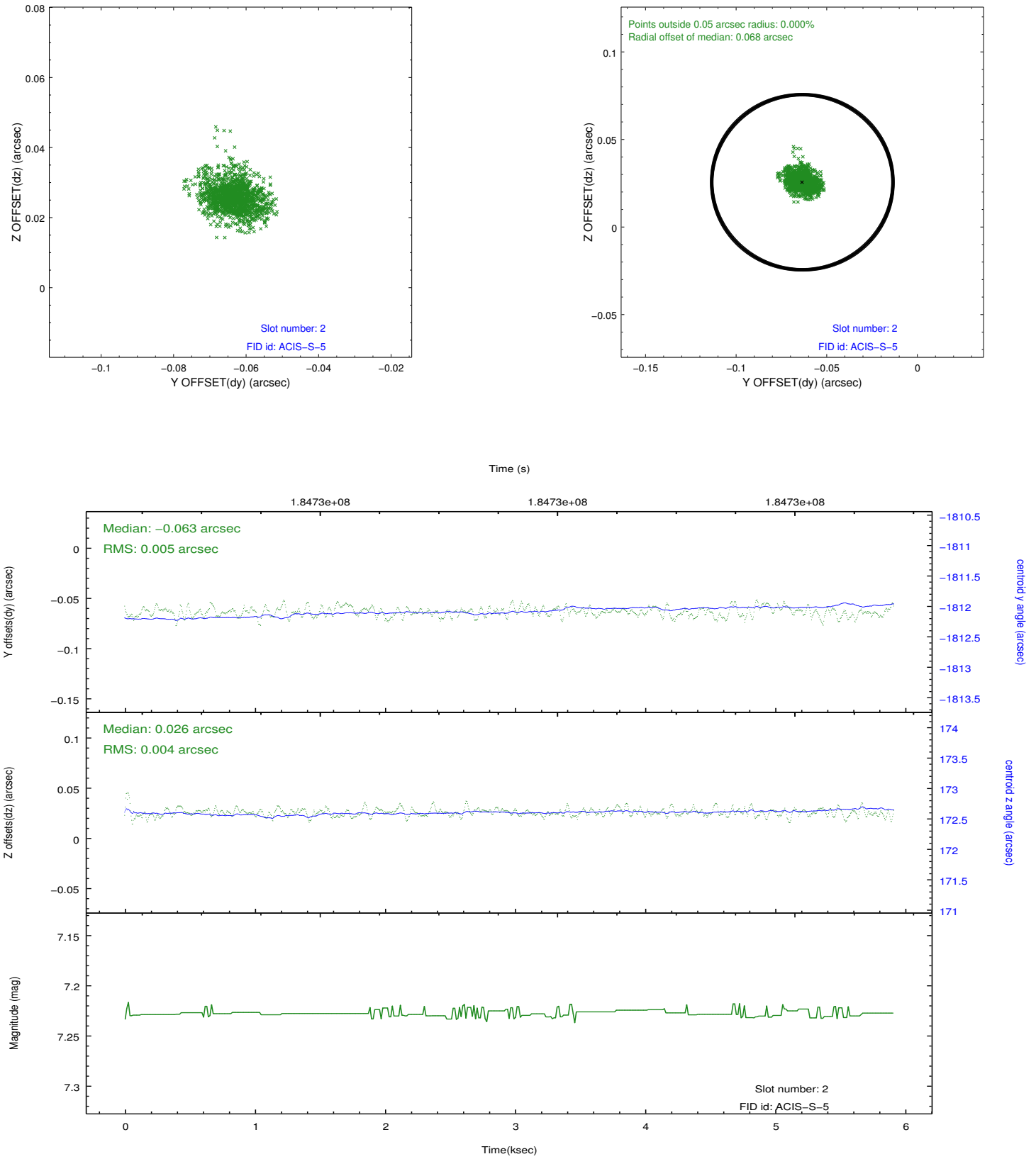
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.743

A.2 Comments