

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 14217 - L2 Version 1
Chandra X-Ray Center

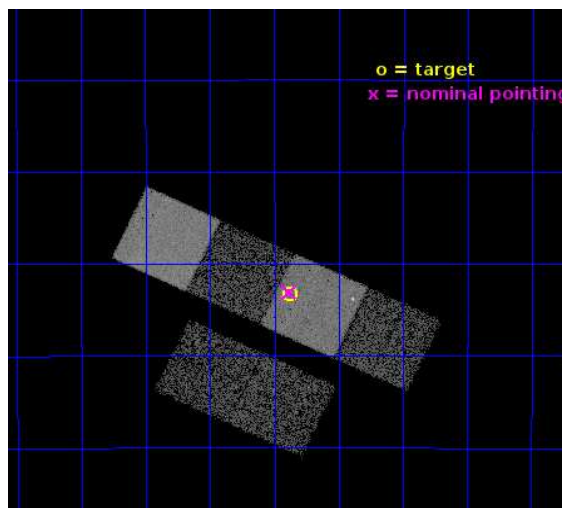
L2 Processing Date : Sep 17 2014

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1 Front

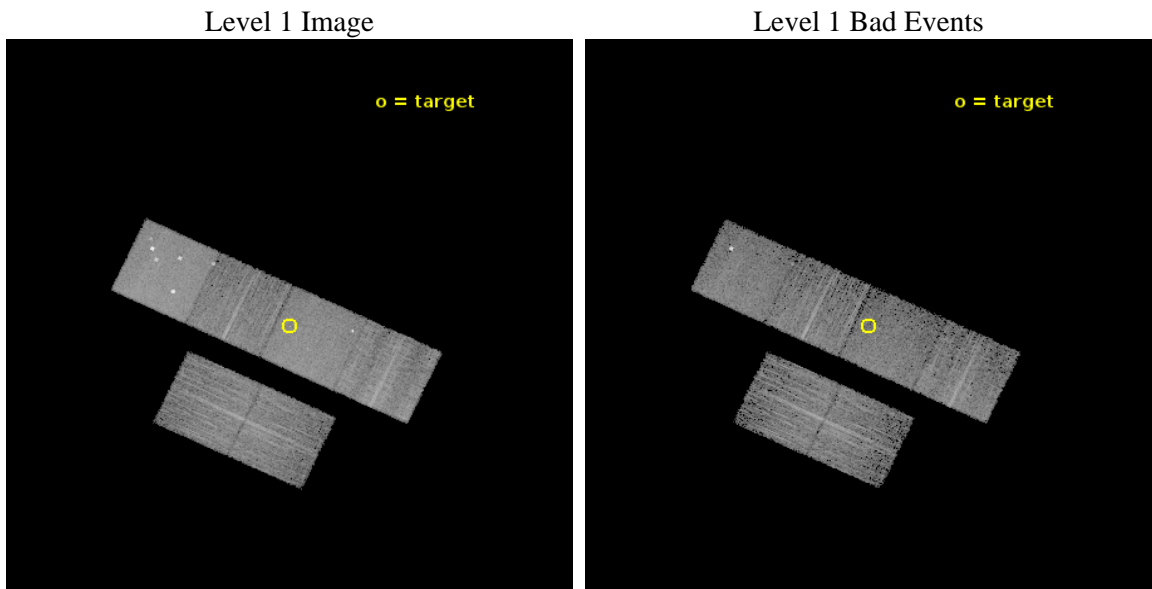
seq_num	702713	Sequence number
obs_id	14217	Observation id
title	Exploratory X-ray Monitoring of $z>4$ Radio-Quiet Quasars	Proposal t
observer	Prof. Ohad Shemmer	Principal investigator
object	Q 0000-263	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.845417	Observer's specified target RA [deg]
dec_targ	-26.054667	Observer's specified target Dec [deg]
ra_nom	0.84583933416474	Nominal RA [deg]
dec_nom	-26.051578979289	Nominal Dec [deg]
roll_nom	25.156765612821	Nominal Roll [deg]
revision	1	Processing version of data
ontime	9462.3999648094	Sum of GTIs [s]
livetime	9342.5813588818	Livetime [s]
ontime2	9462.3999648094	Sum of GTIs [s]
ontime3	9462.3999648094	Sum of GTIs [s]
ontime5	9462.3999648094	Sum of GTIs [s]
ontime6	9462.3999648094	Sum of GTIs [s]
ontime7	9462.3999648094	Sum of GTIs [s]
ontime8	9462.3999648094	Sum of GTIs [s]
l2events	80365	Number of level 2 events



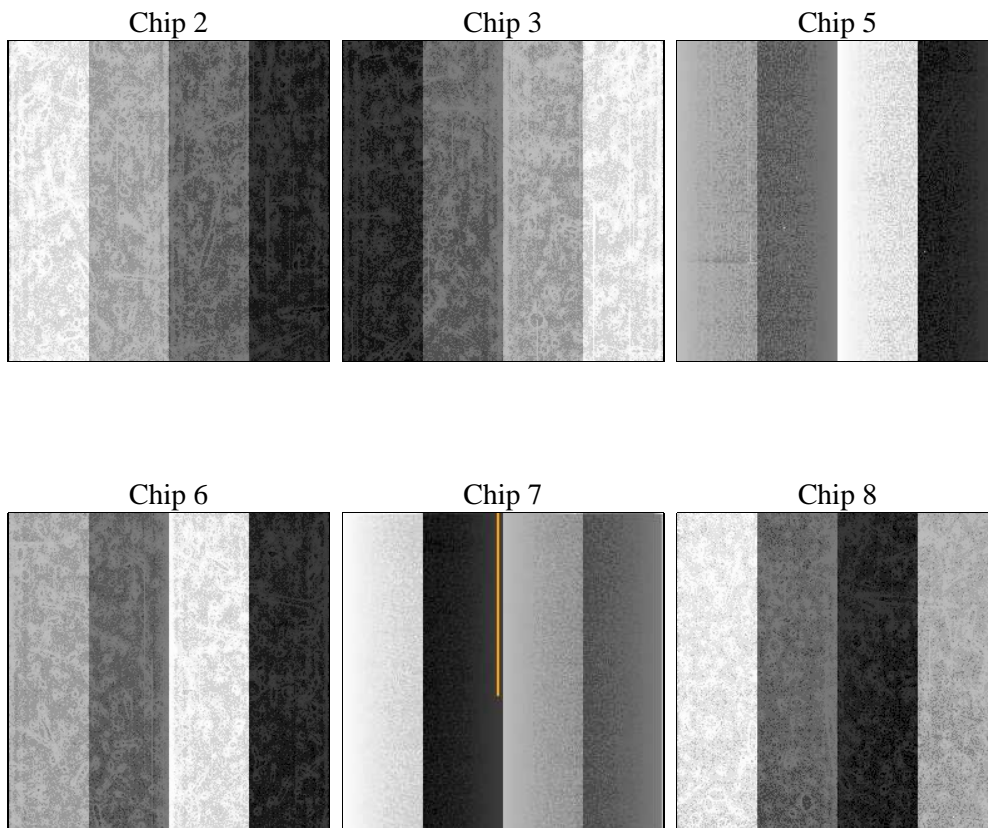
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9500.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	9462.3999648094	Sum of GTIs [s]
caldbver	4.6.3	 	ontime2	9462.3999648094	Sum of GTIs [s]
date	2014-09-17T20:11:10	Date and time of file creation	ontime3	9462.3999648094	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	9462.3999648094	Sum of GTIs [s]
			ontime6	9462.3999648094	Sum of GTIs [s]
			ontime7	9462.3999648094	Sum of GTIs [s]
			ontime8	9462.3999648094	Sum of GTIs [s]
			l1events	346278	Number of level 1 events

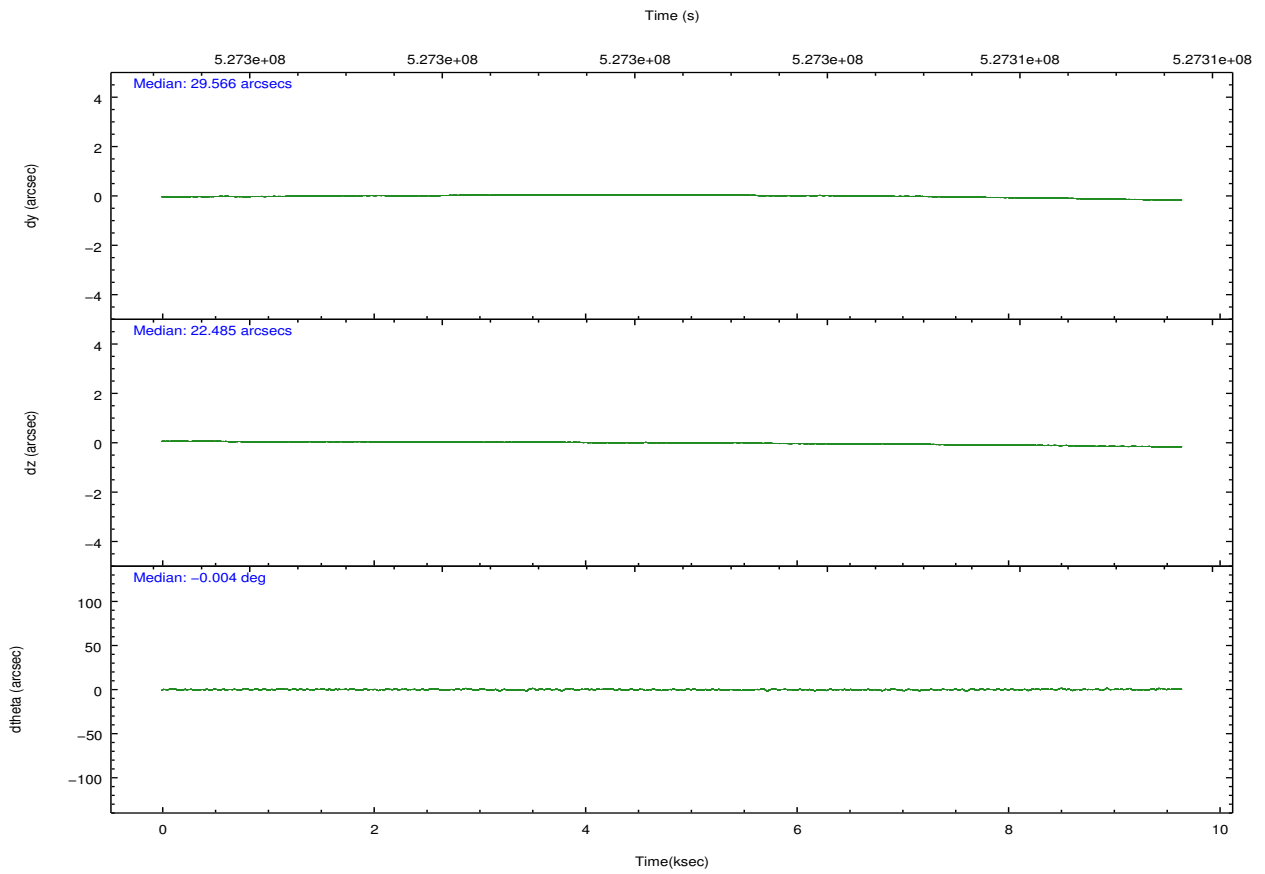
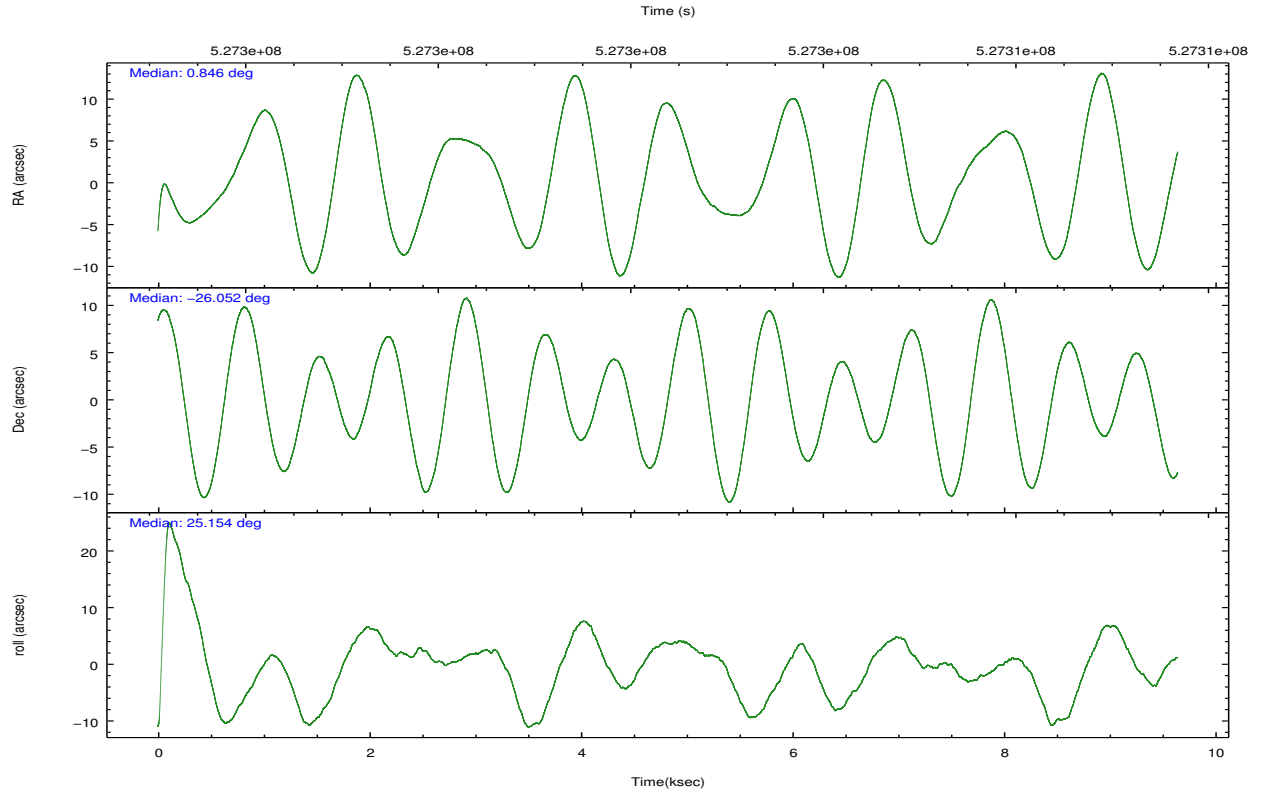
2.1.4 Events

	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	47515	44820	84456	47213	63648	58626	grade 0 events	1845	1734	7925	1736	2594	4509
rejected events	42366	39770	41737	41773	35650	42414		3%	3%	9%	3%	4%	7%
rejected %	89%	88%	49%	88%	56%	72%	grade 1 events	20	22	221	15	83	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	1224	1124	12396	1282	5903	3653
								2%	2%	14%	2%	9%	6%
							grade 3 events	504	566	1217	579	2286	1764
								1%	1%	1%	1%	3%	3%
							grade 4 events	563	535	1051	554	2346	1674
								1%	1%	1%	1%	3%	2%
							grade 5 events	2053	2328	5566	2397	6175	3378
								4%	5%	6%	5%	9%	5%
							grade 6 events	1014	1093	20144	1290	14882	4613
								2%	2%	23%	2%	23%	7%
							grade 7 events	40292	37418	35936	39360	29379	38992
								84%	83%	42%	83%	46%	66%

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	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	0.828804	0.8458393341647366	CCD I2 on	O2	Y
[deg] Pointing Dec	-26.074319	-26.05157897928916	CCD I3 on	O1	Y
[deg] Pointing Roll	24.992693	25.15676561282133	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	527297705.184000	527296130.34221	CCD S5 on	N	N
Observation start date	2014-09-16T23:33:58	2014-09-16T23:08:50	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	527307205.184000	527307958.84286	On-chip summing requested	N	N
Observation end date	2014-09-17T02:12:18	2014-09-17T02:25:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



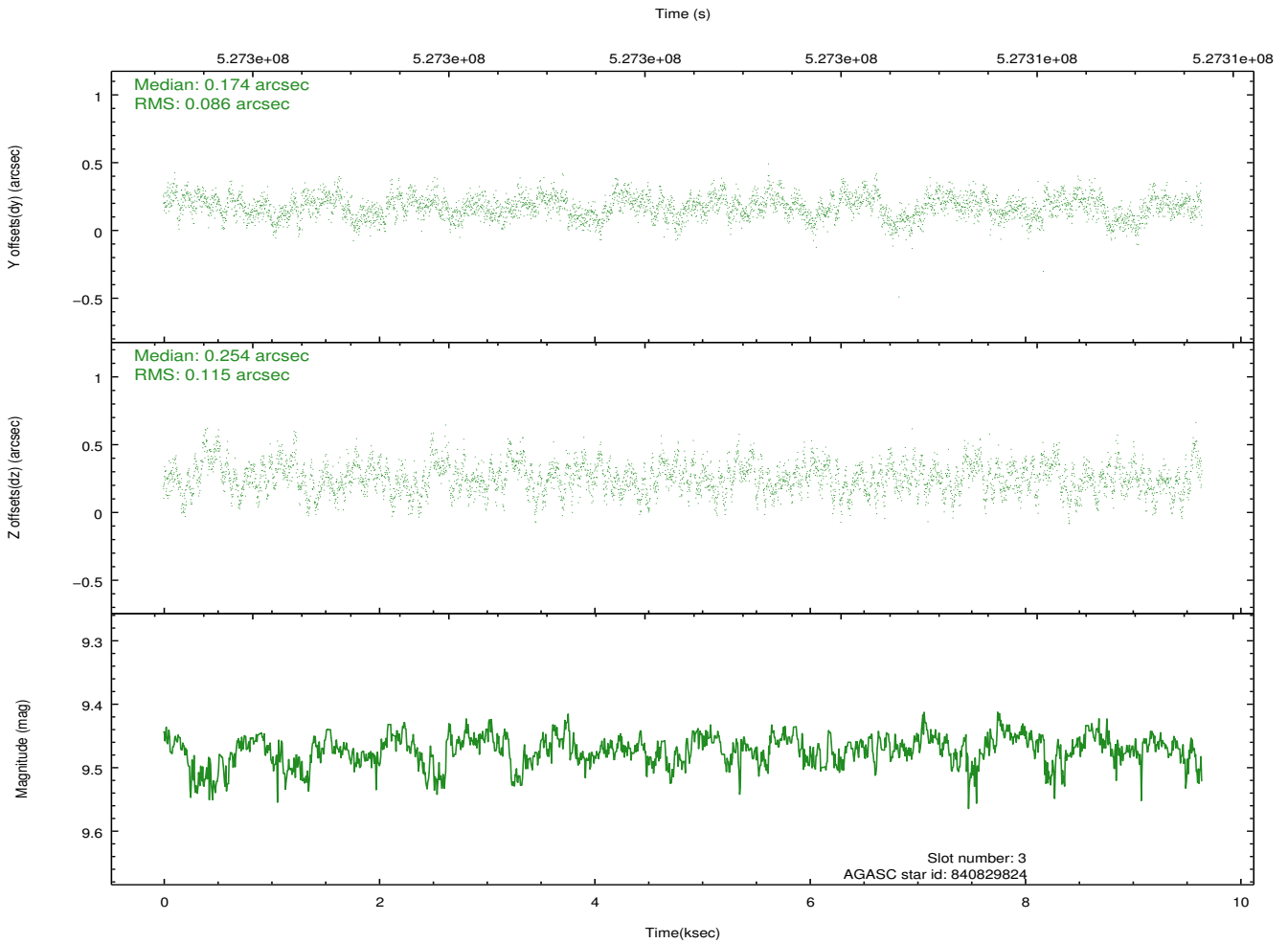
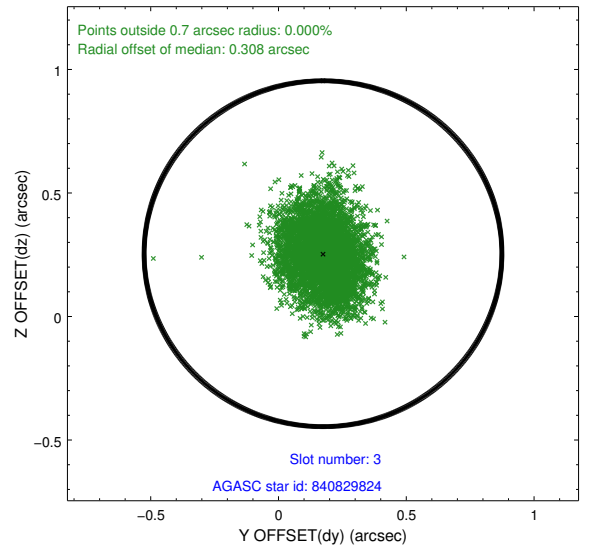
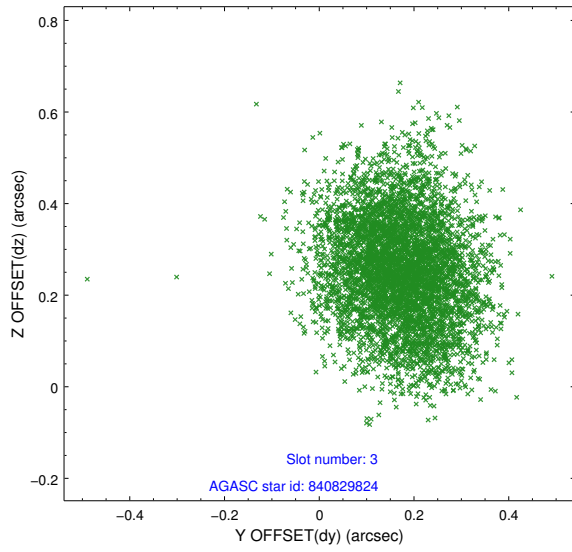
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	2353	-0.082	-0.053	0.007	0.012	0.000000	0.000000	913.00	-1739.69
1	FID	ACIS-S-4	7.20	2353	0.200	0.056	0.006	0.010	0.000000	0.000000	2131.02	163.98
2	FID	ACIS-S-6	7.34	2353	-0.141	0.008	0.007	0.012	0.000000	0.000000	379.63	801.95
3	GUIDE	840829824	9.47	4701	0.174	0.254	0.154	0.248	0.562188	-26.678555	-1695.14	-1610.42
4	GUIDE	840831008	8.72	4703	0.257	-0.027	0.108	0.182	0.855542	-26.415181	-439.84	-1148.98
5	GUIDE	840831296	9.01	4706	-0.294	-0.326	0.099	0.158	1.032971	-25.892665	876.68	311.08
6	GUIDE	840833168	9.30	4703	0.106	0.290	0.204	0.327	0.400325	-26.469934	-1853.30	-709.66
7	GUIDE	840833360	9.18	4701	-0.266	-0.183	0.285	0.398	0.455843	-25.798534	-680.99	1404.89

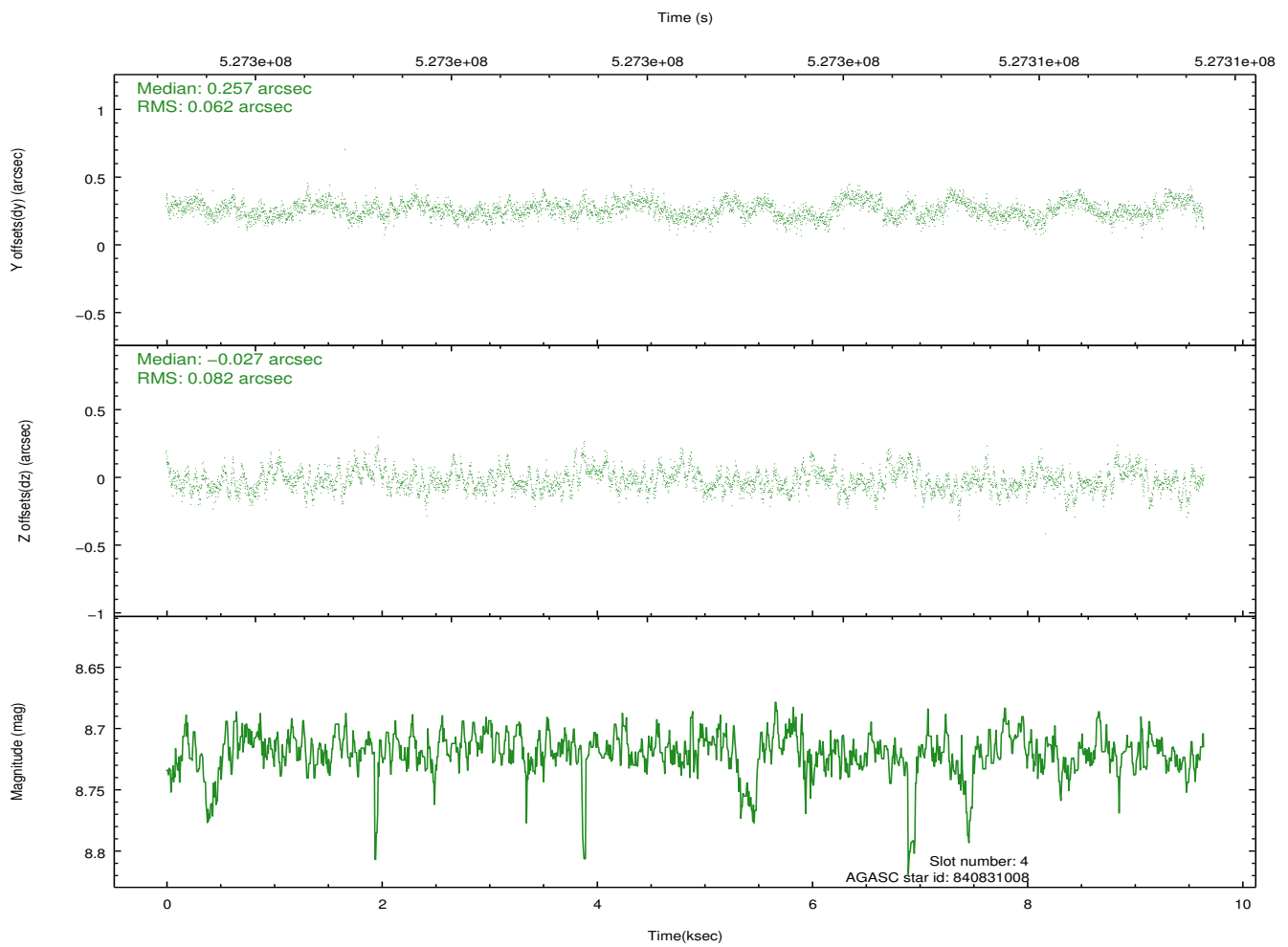
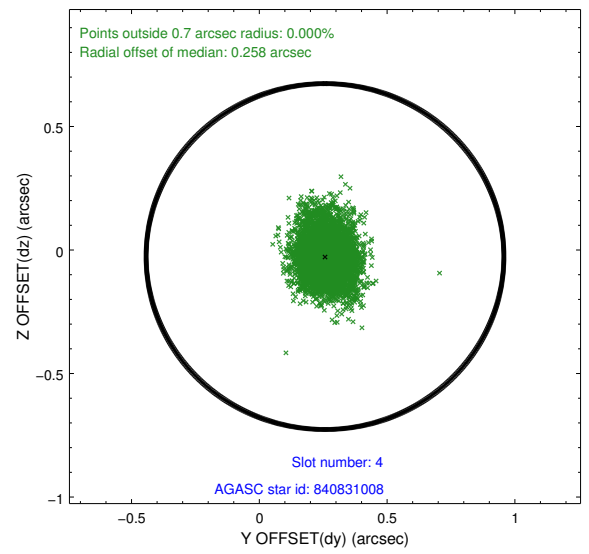
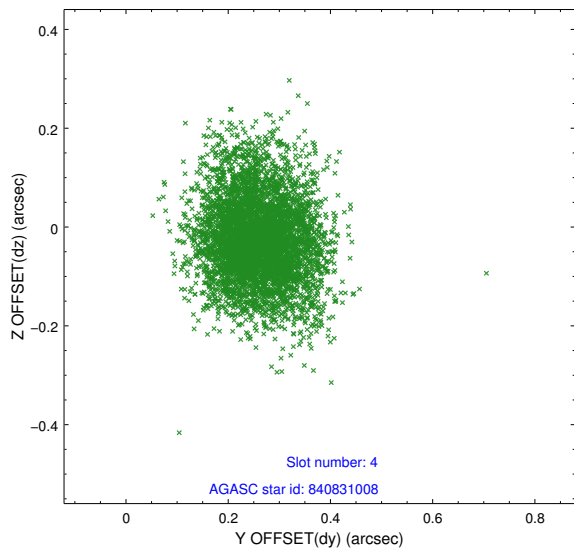
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2.4 Star Slots

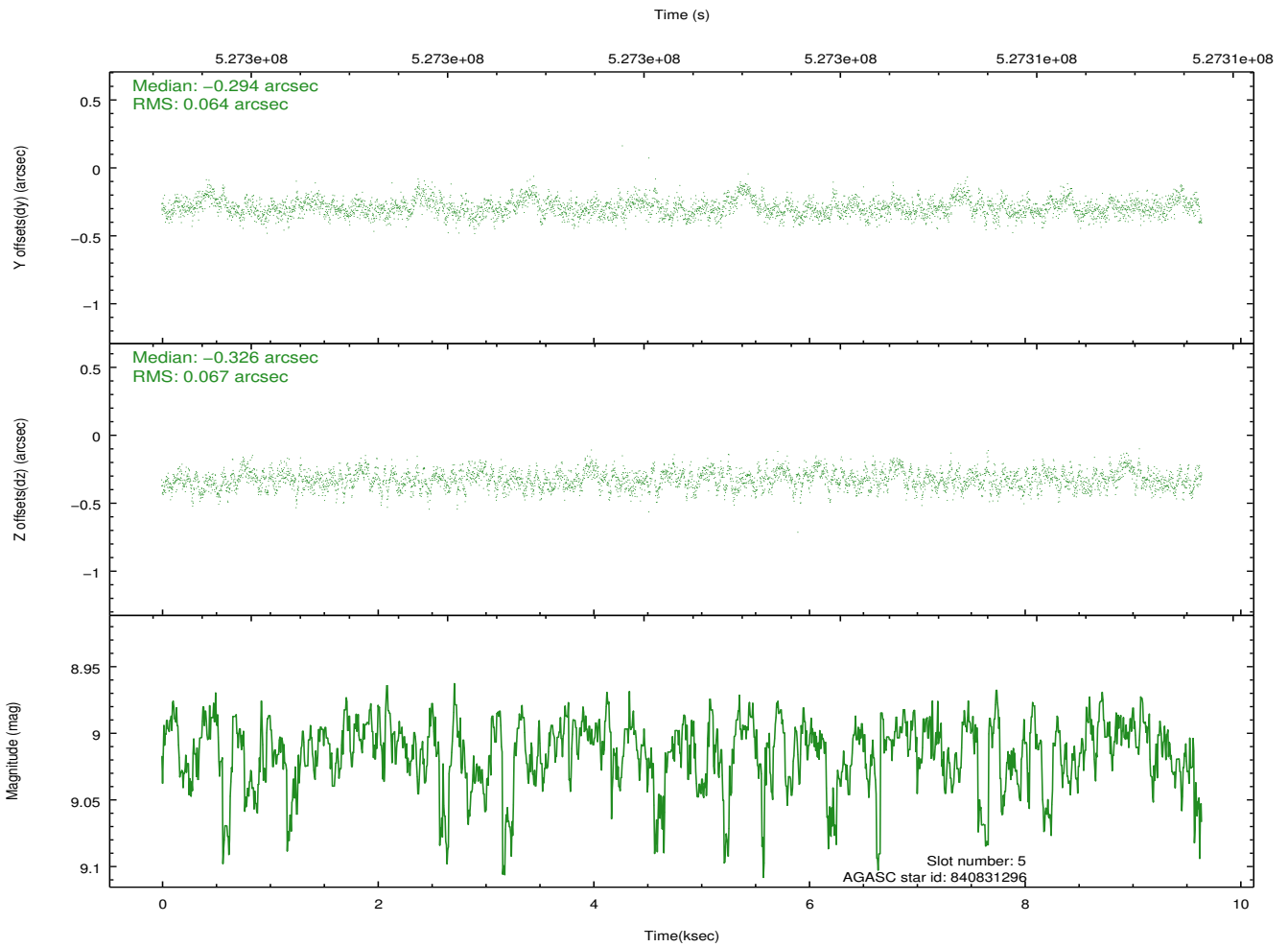
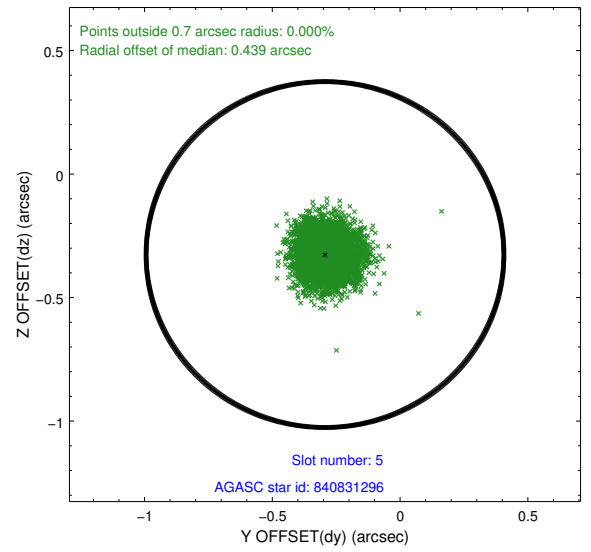
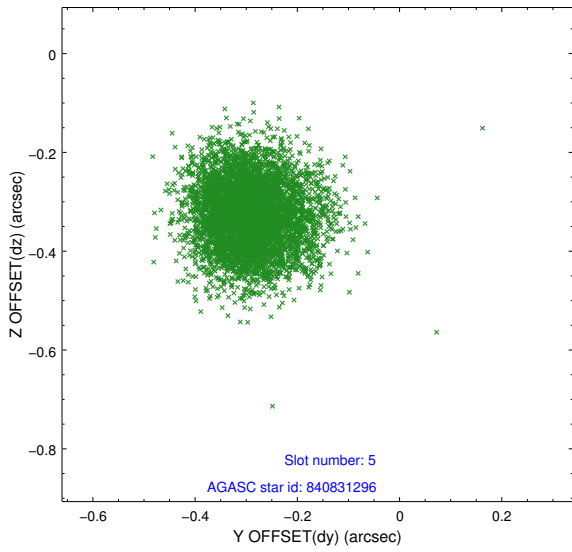
2.4.1 Slot 3



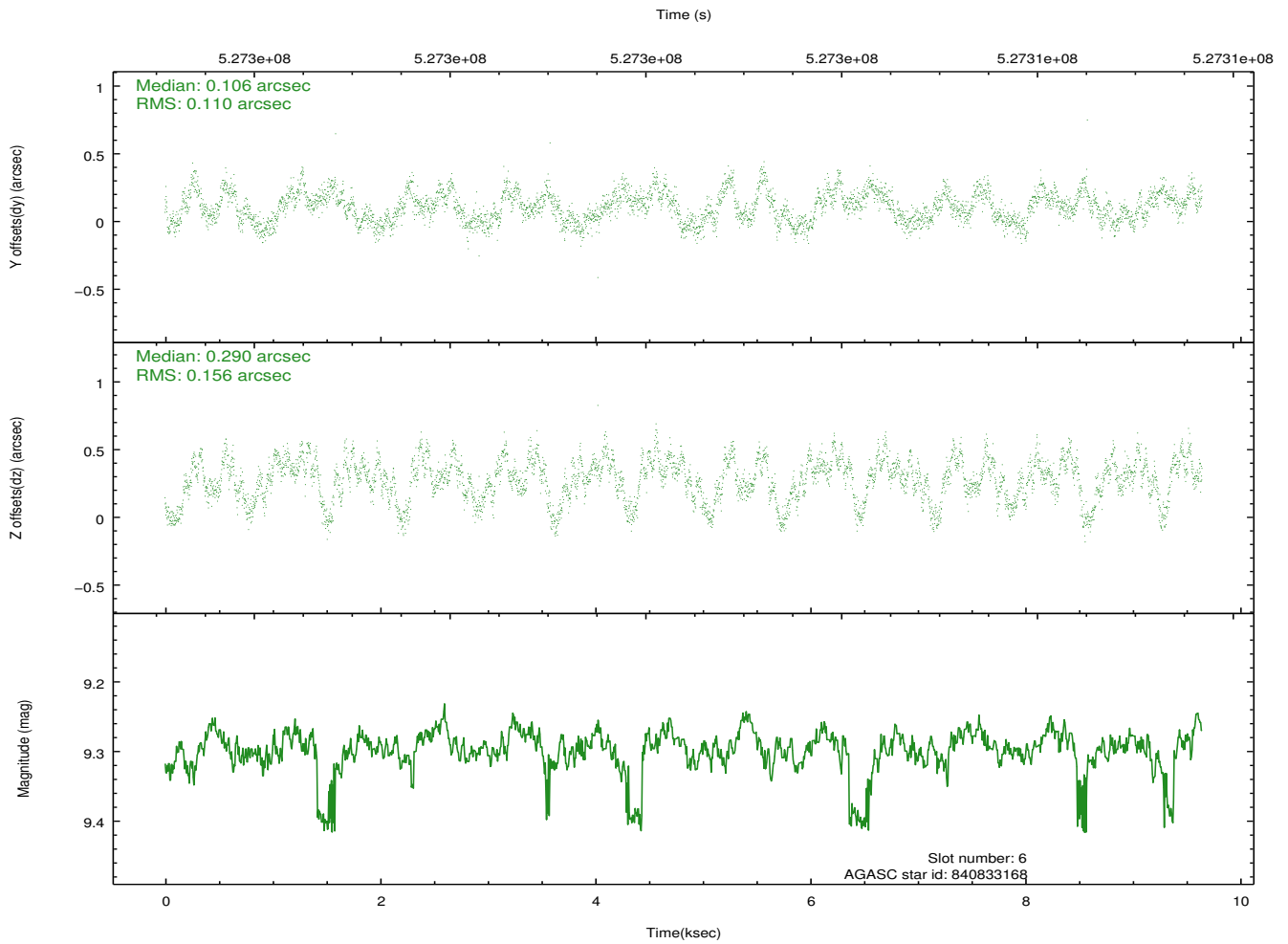
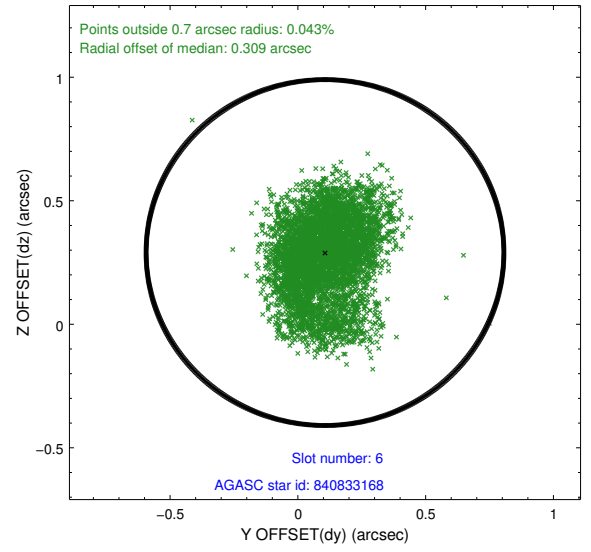
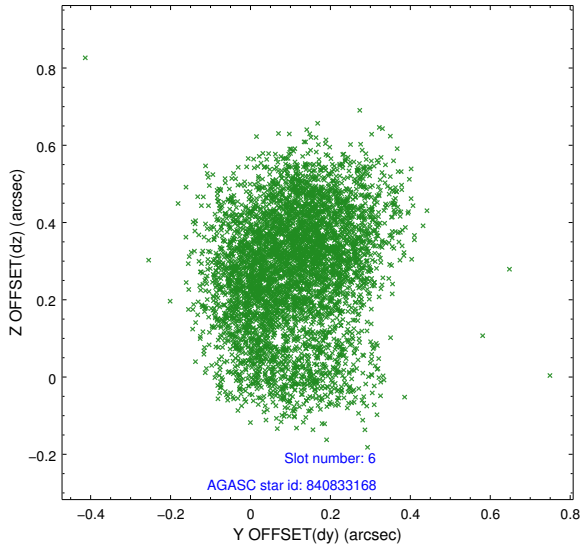
2.4.2 Slot 4



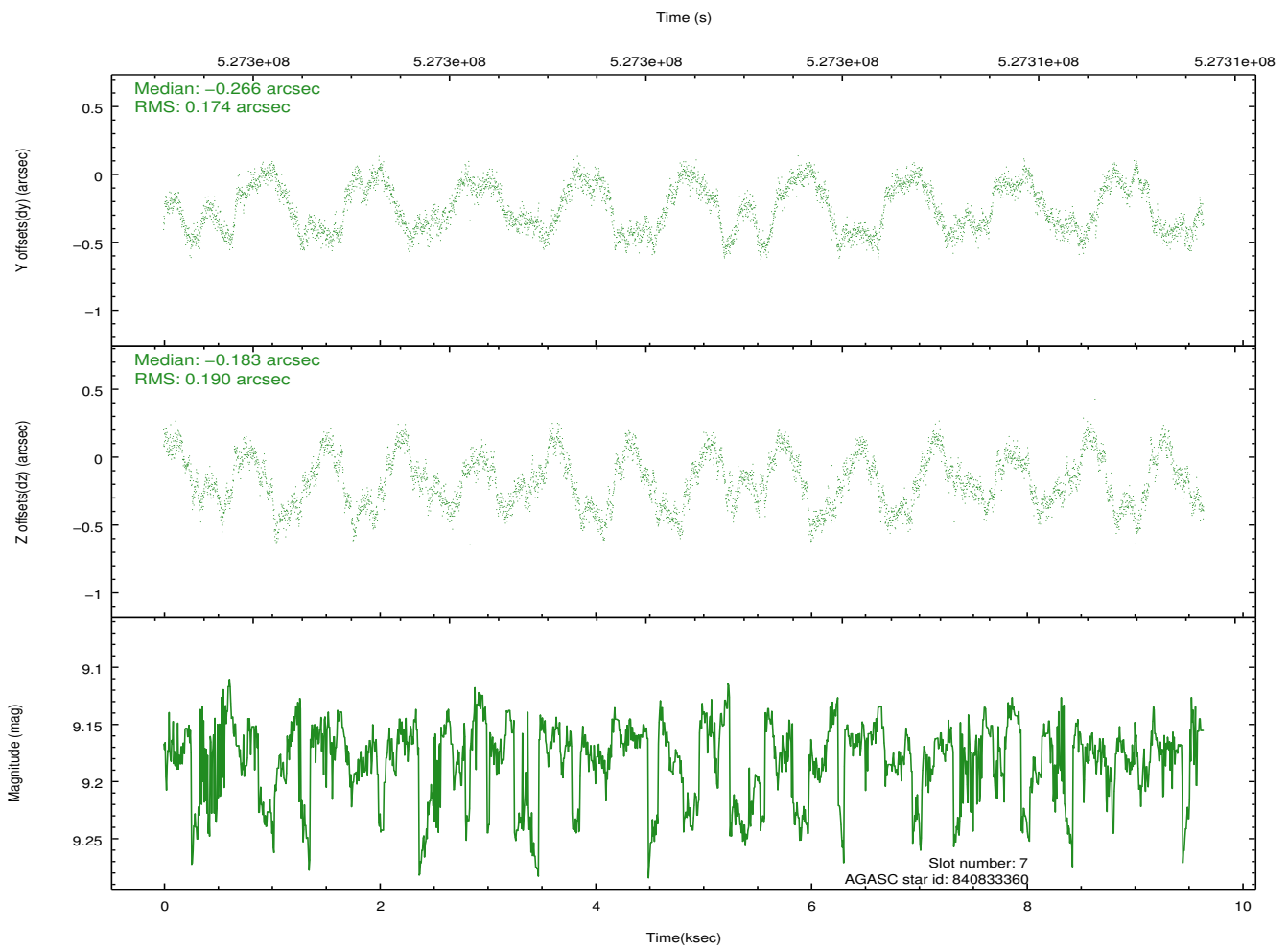
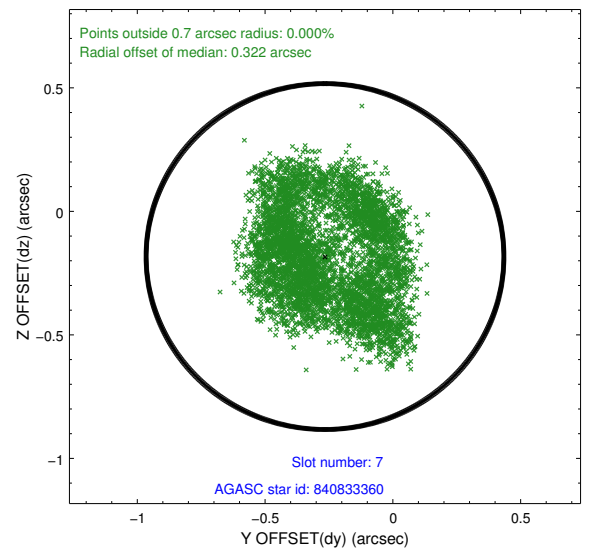
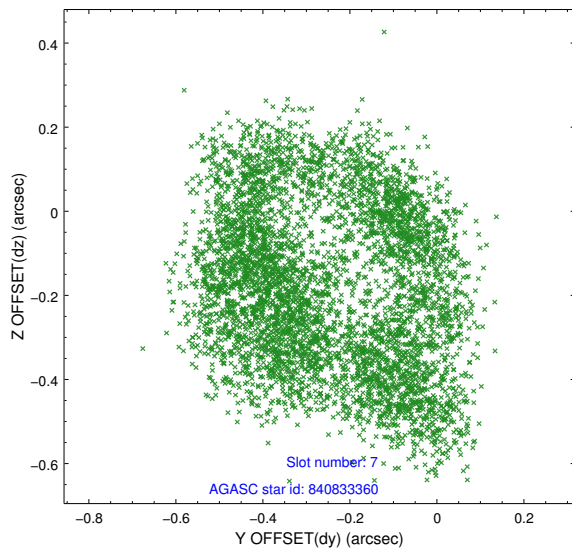
2.4.3 Slot 5



2.4.4 Slot 6

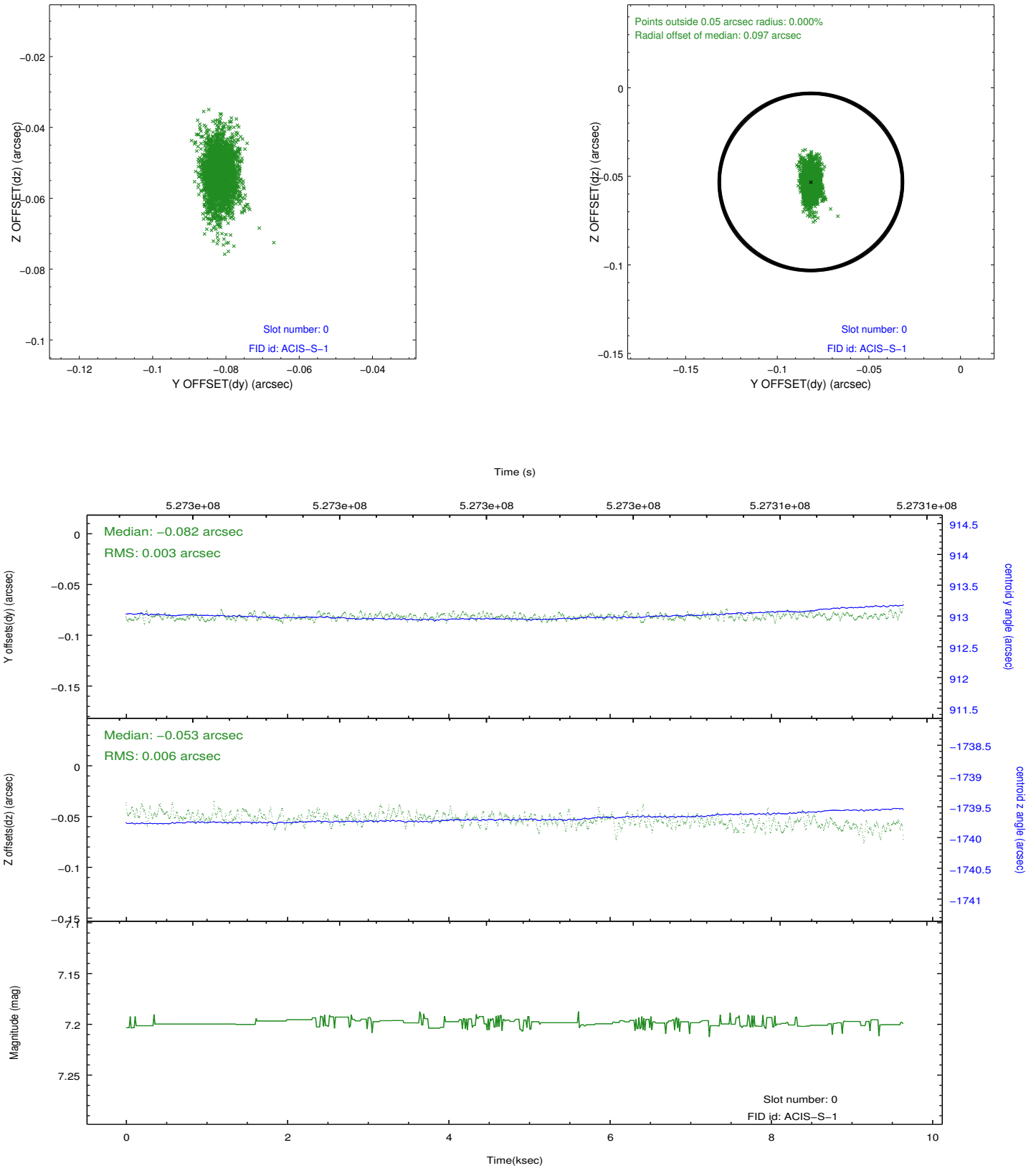


2.4.5 Slot 7

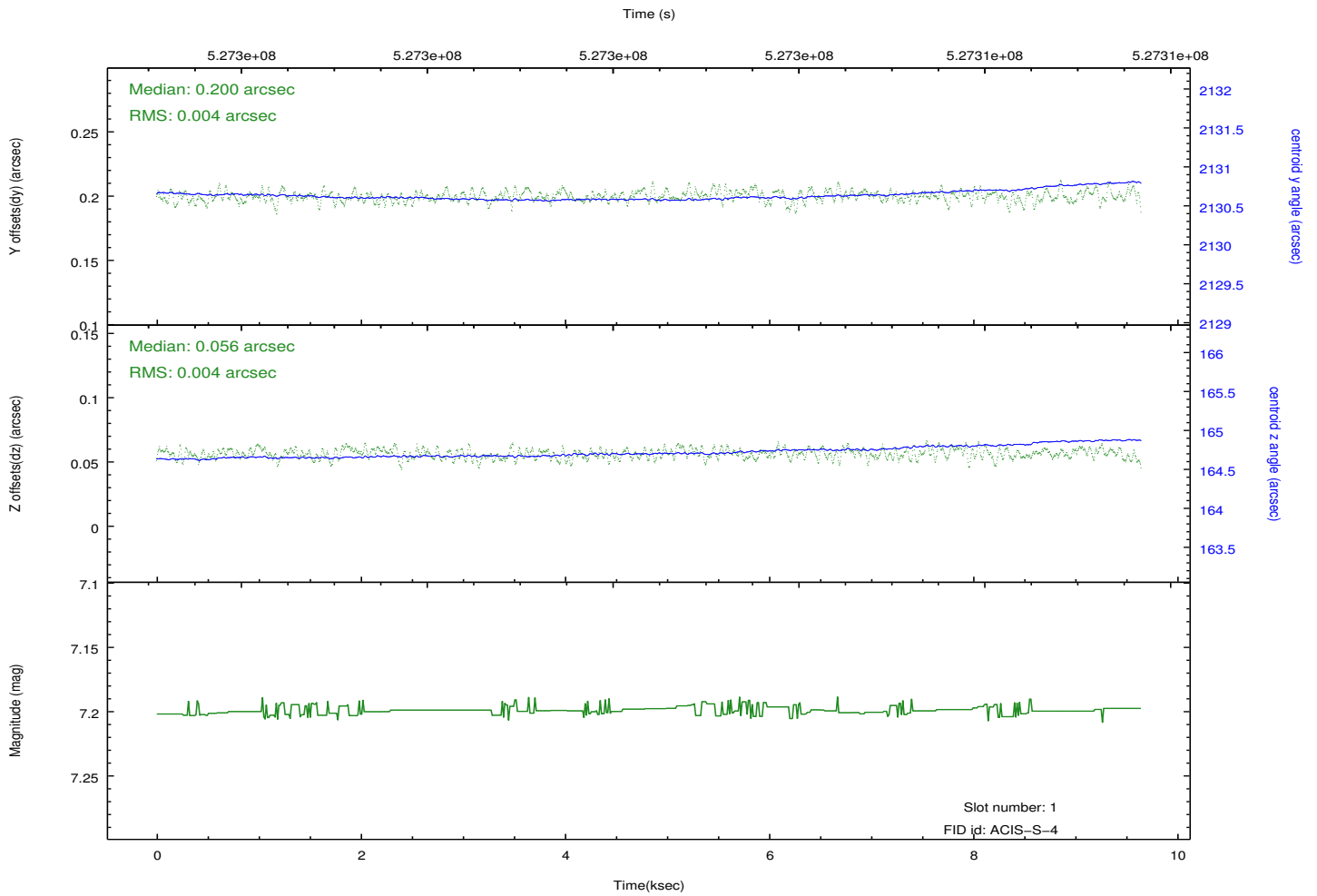
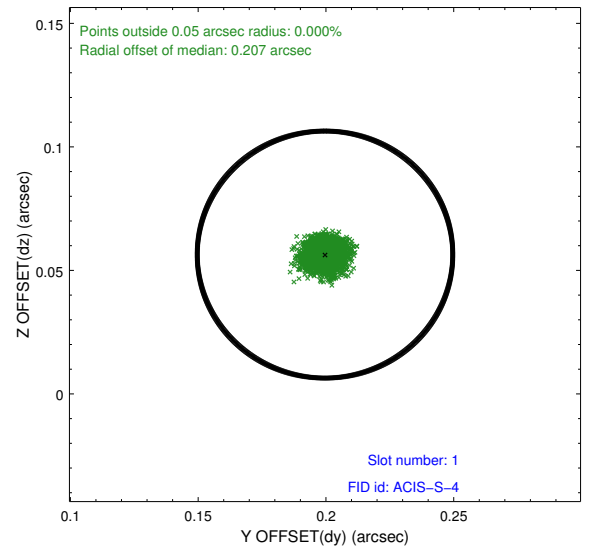
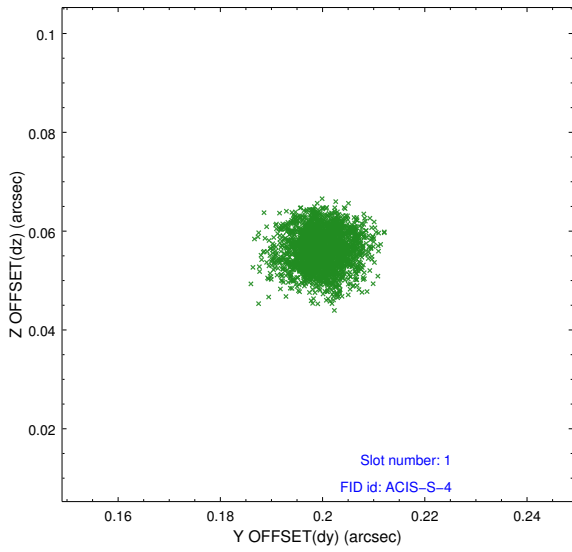


2.5 FID Slots

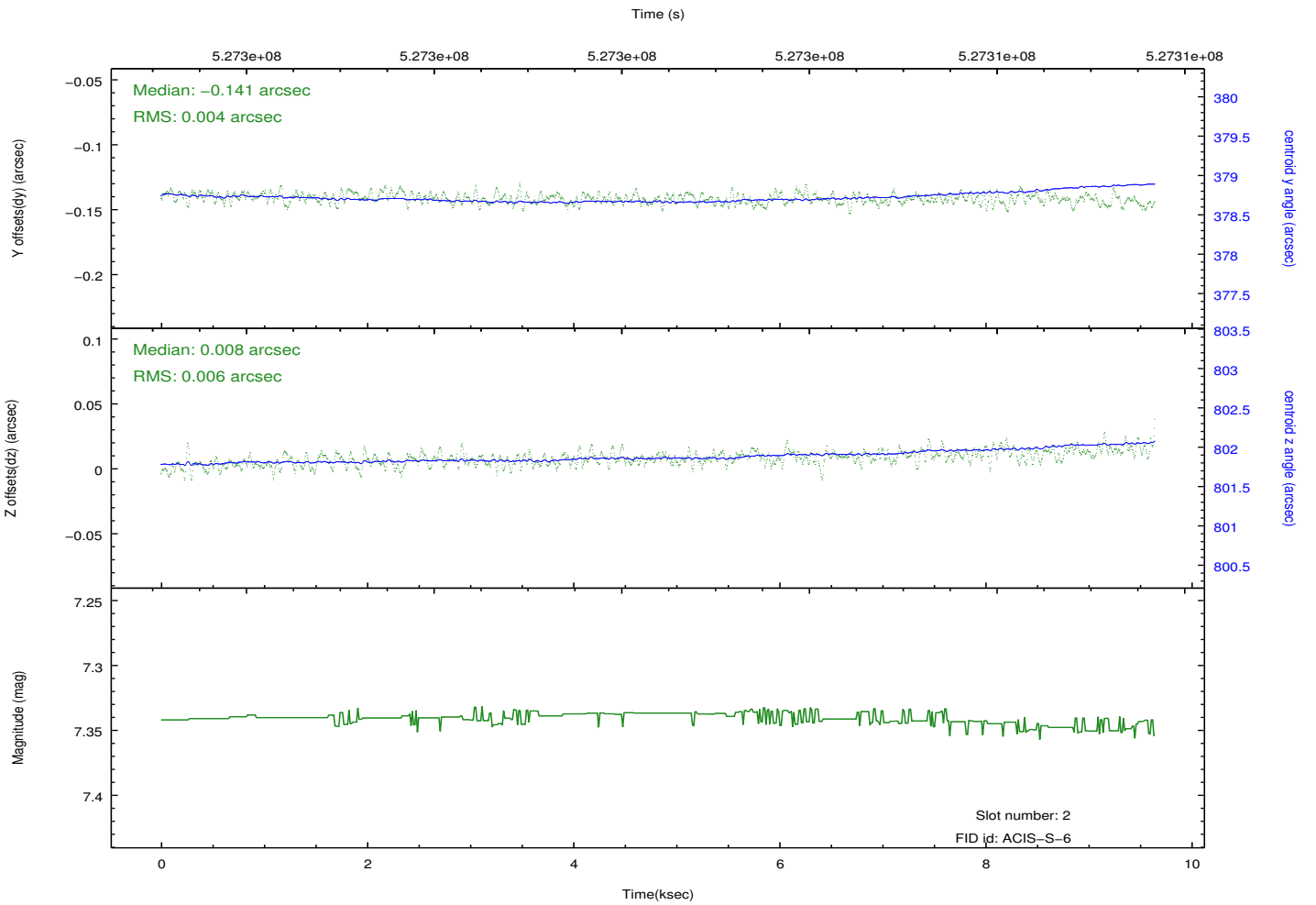
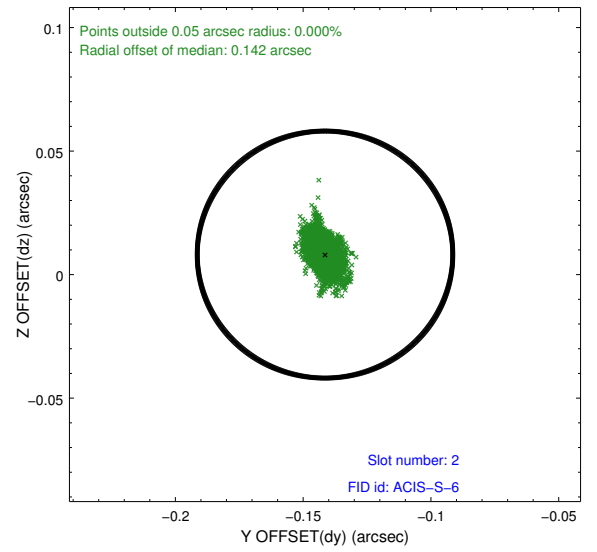
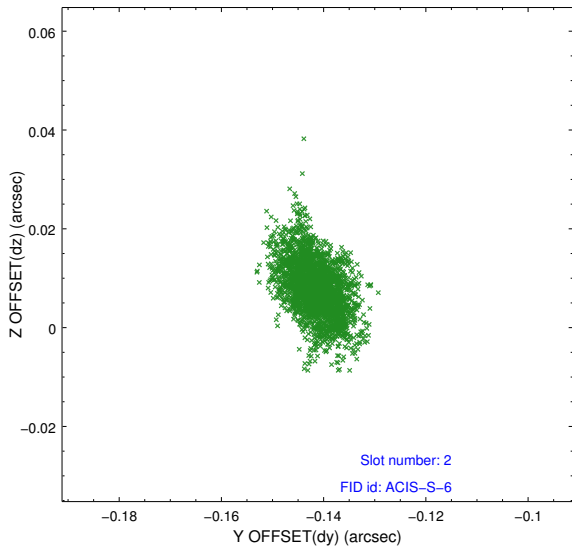
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.4623999648094

A.2 Comments