

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4857 - L2 Version 3
Chandra X-Ray Center

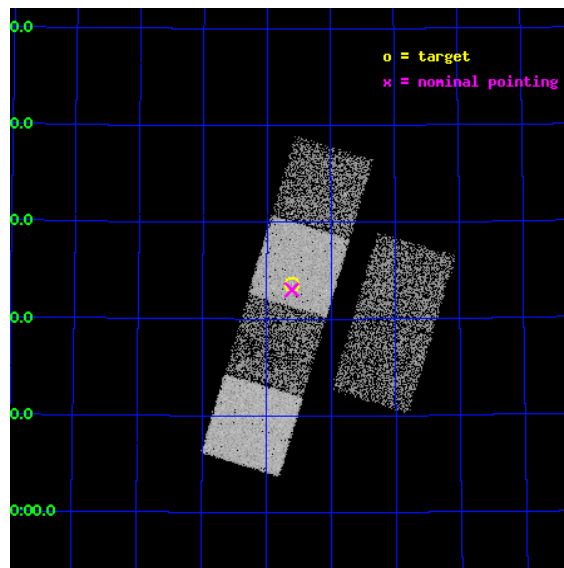
L2 Processing Date : Dec 9 2012

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1 Front

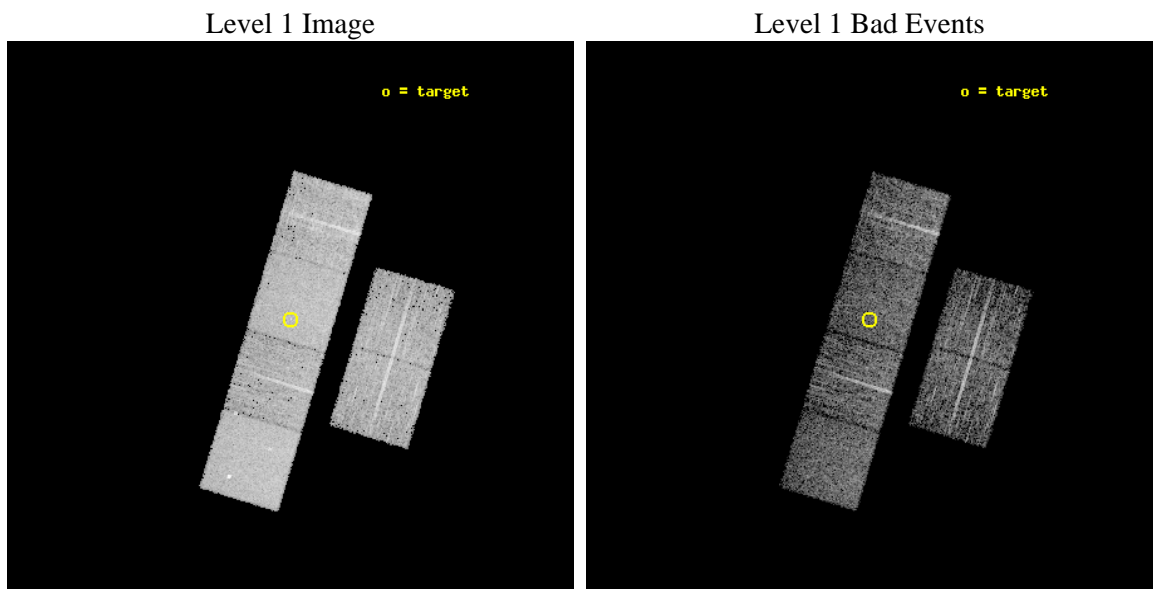
seq_num	700939	Sequence number
obs_id	4857	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J171535.96+632336.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.9	Observer's specified target RA [deg]
dec_targ	63.393333	Observer's specified target Dec [deg]
ra_nom	258.90244121914	Nominal RA [deg]
dec_nom	63.383669288211	Nominal Dec [deg]
roll_nom	286.75065226424	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4307.1999839544	Sum of GTIs [s]
livetime	4252.6596242731	Livetime [s]
ontime2	4307.1999839544	Sum of GTIs [s]
ontime3	4307.1999839544	Sum of GTIs [s]
ontime5	4307.1999839544	Sum of GTIs [s]
ontime6	4307.1999839544	Sum of GTIs [s]
ontime7	4307.1999839544	Sum of GTIs [s]
ontime8	4307.1999839544	Sum of GTIs [s]
l2events	52420	Number of level 2 events



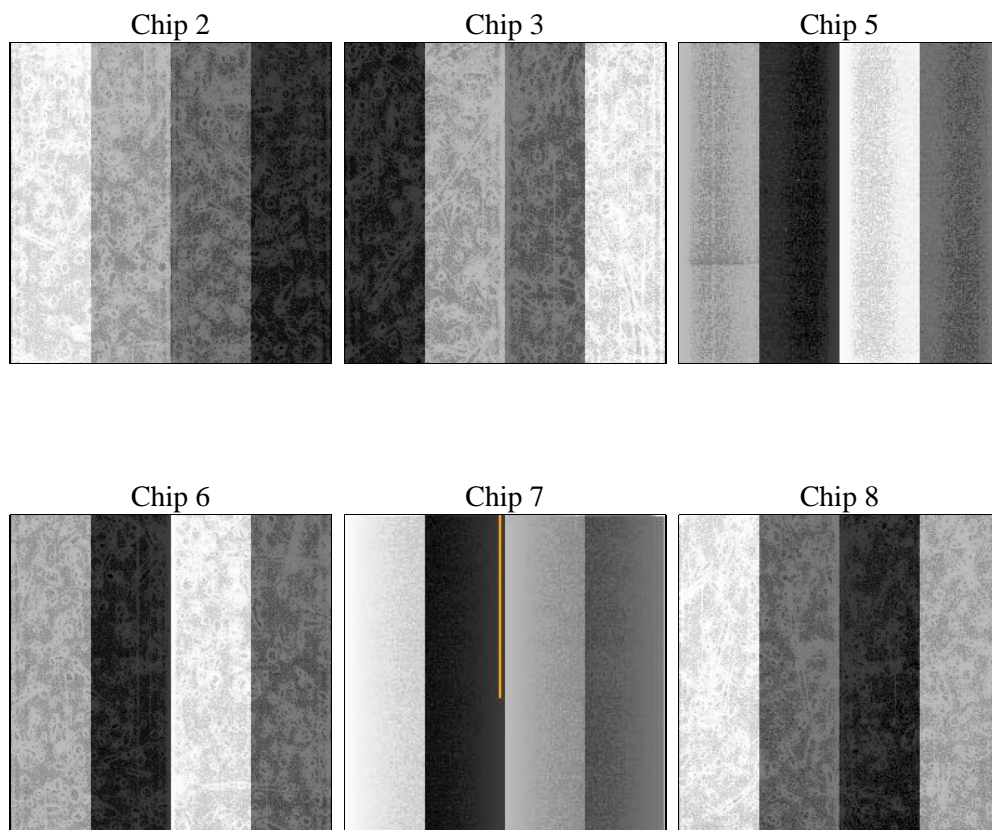
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	4350.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	4307.1999839544	Sum of GTIs [s]
caldbver	4.5.4	 	ontime2	4307.1999839544	Sum of GTIs [s]
date	2012-12-09T07:23:55	Date and time of file creation	ontime3	4307.1999839544	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4307.1999839544	Sum of GTIs [s]
			ontime6	4307.1999839544	Sum of GTIs [s]
			ontime7	4307.1999839544	Sum of GTIs [s]
			ontime8	4307.1999839544	Sum of GTIs [s]
			l1events	231930	Number of level 1 events

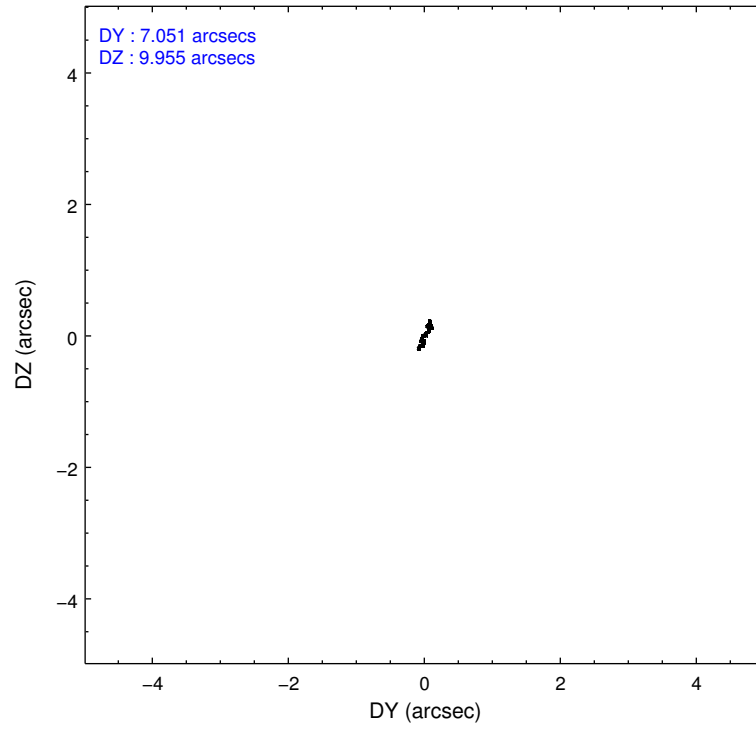
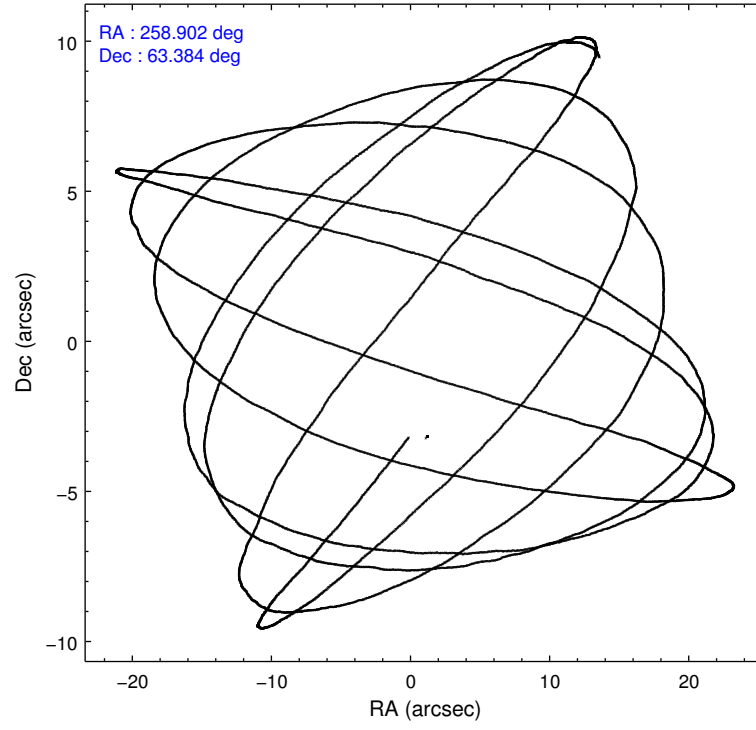
2.1.4 Events

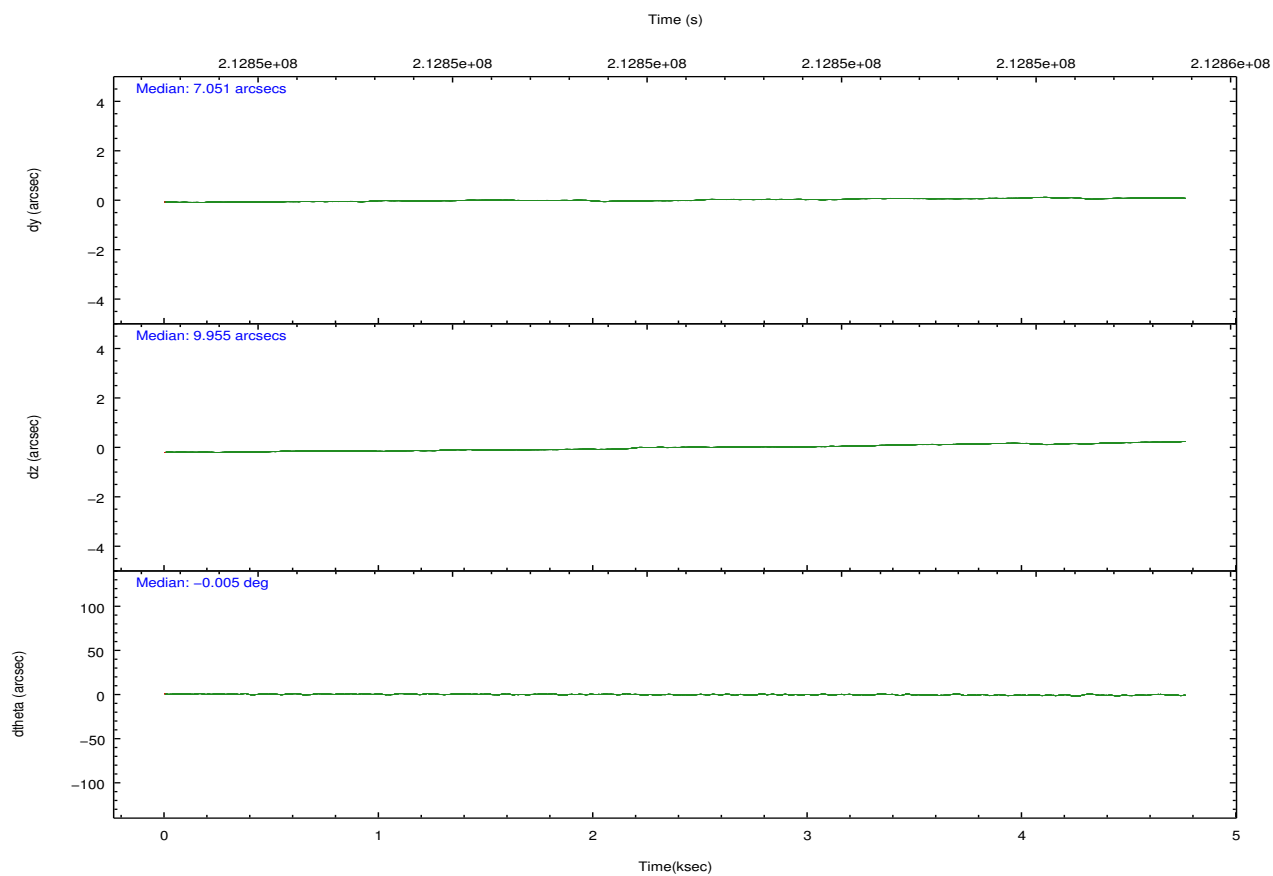
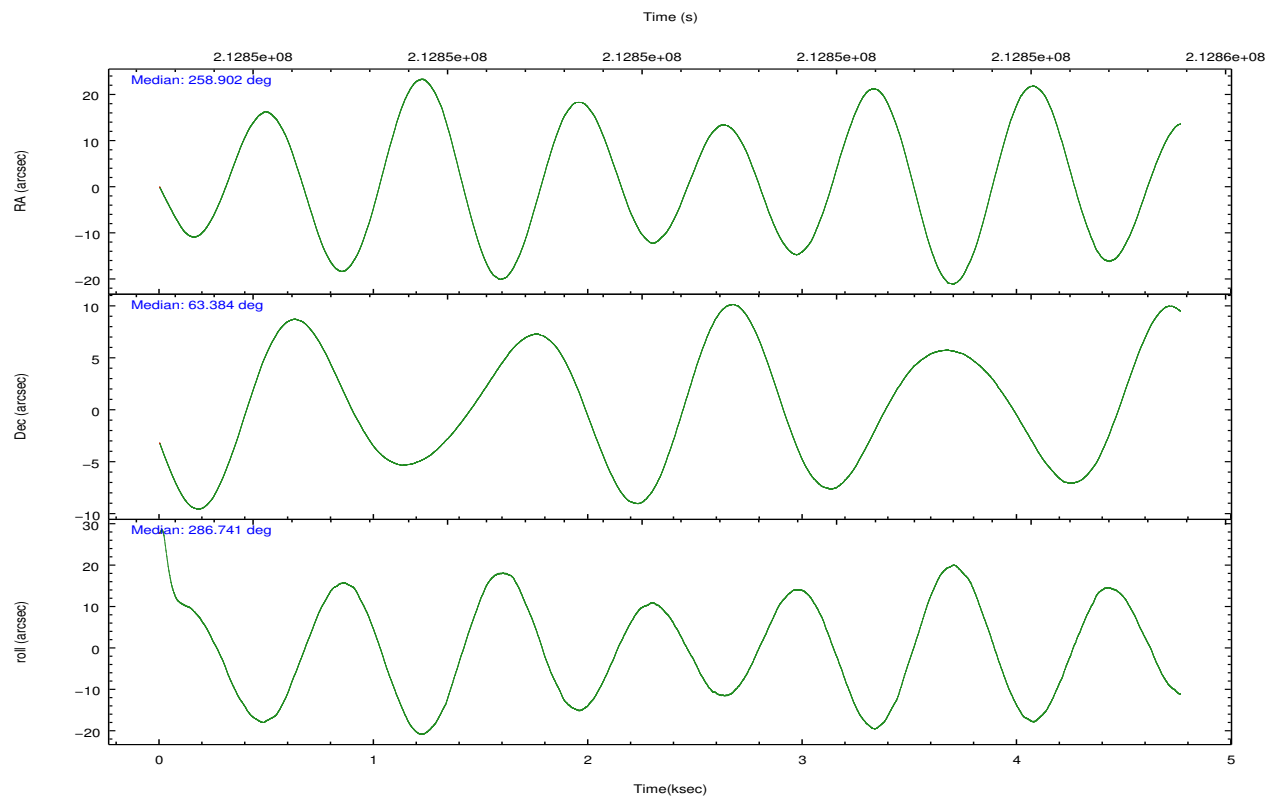
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32782	31395	49031	32980	44325	41417	grade 0 events	1665	1671	2094	1521	1623	2843
rejected events	29047	27598	26805	29134	25962	32515		5%	5%	4%	4%	3%	6%
rejected %	88%	87%	54%	88%	58%	78%	grade 1 events	28	15	123	12	45	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	753	738	6601	754	3678	1970
								2%	2%	13%	2%	8%	4%
							grade 3 events	354	389	841	379	1624	888
								1%	1%	1%	1%	3%	2%
							grade 4 events	345	357	788	389	1638	837
								1%	1%	1%	1%	3%	2%
							grade 5 events	1286	1478	3606	1587	4175	1909
								3%	4%	7%	4%	9%	4%
							grade 6 events	622	649	11928	811	9826	2381
								1%	2%	24%	2%	22%	5%
							grade 7 events	27729	26098	23050	27527	21716	30569
								84%	83%	47%	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	258.857654	258.9024412191383	Subarray requested	NONE	NONE
[deg] Pointing Dec	63.402110	63.38366928821121	Alternating exposures requested	N	N
[deg] Pointing Roll	286.634005	286.750652264241	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	212850174.184000	212849103.02461			
Observation start date	2004-09-29T13:01:50	2004-09-29T12:45:03			
[s] Observation end time (MET)	212854524.184000	212855011.63738			
Observation end date	2004-09-29T14:14:20	2004-09-29T14:23:31			
Read mode	TIMED	TIMED			

2.3 Aspect



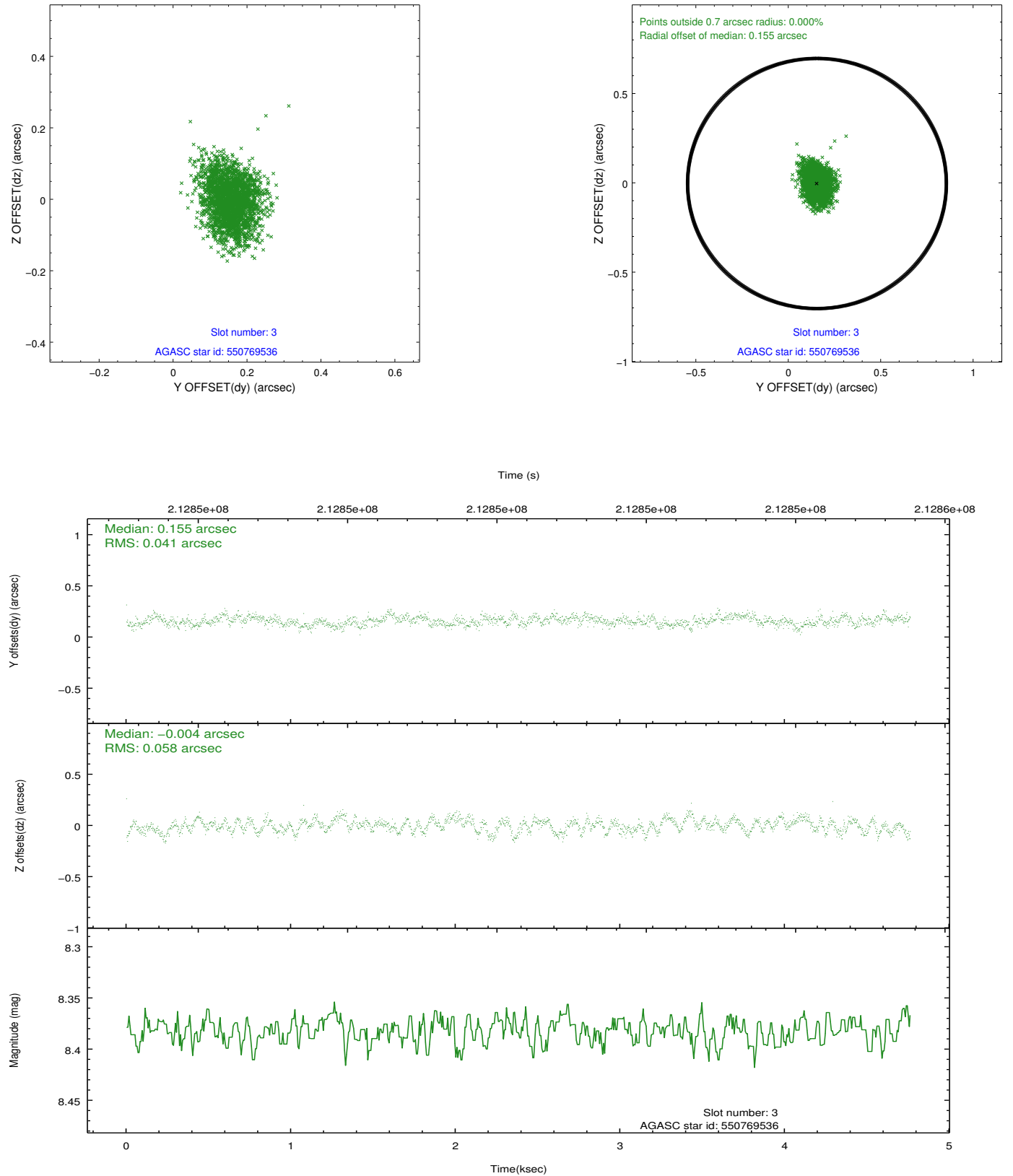


Slot Statistics

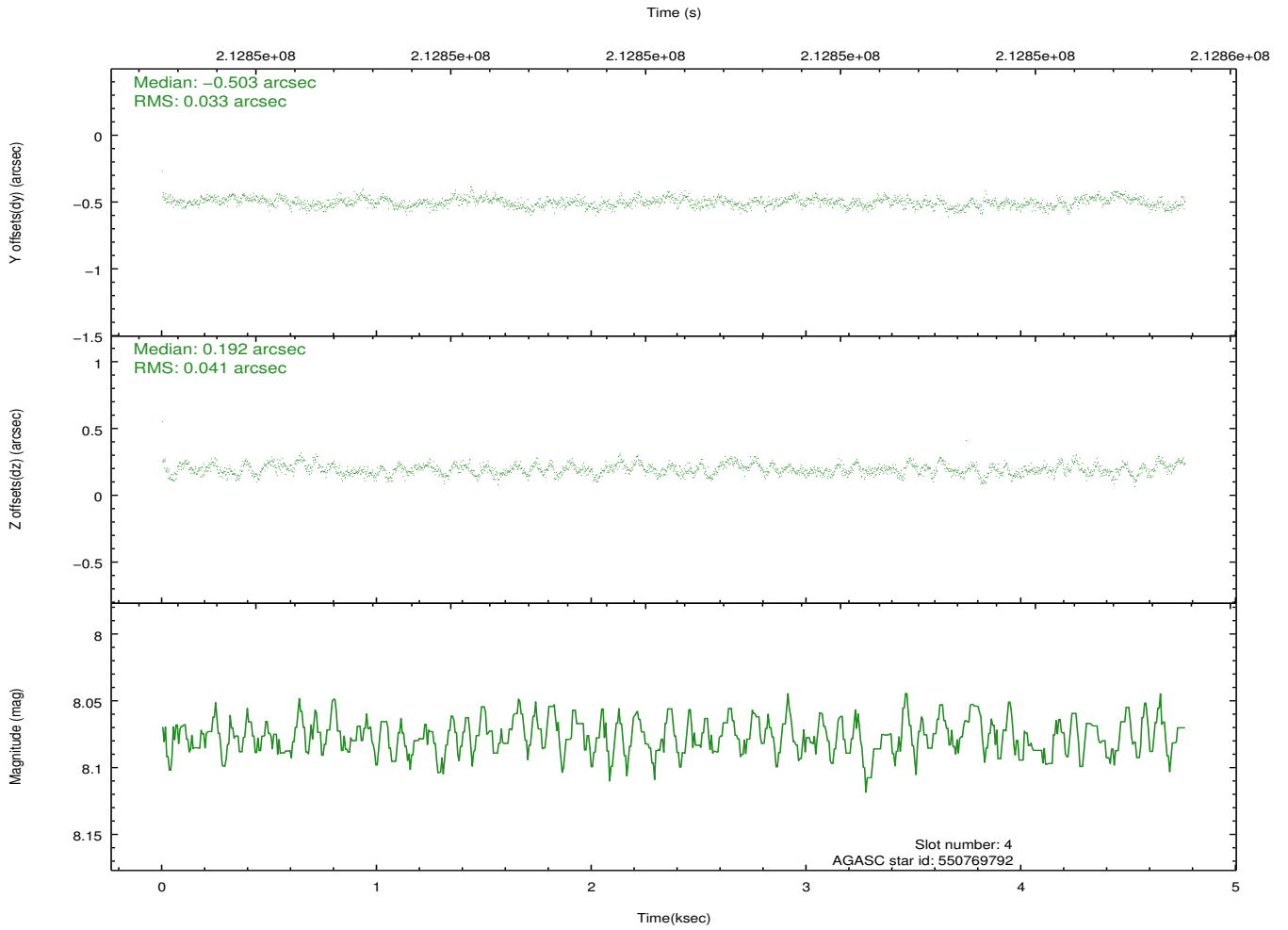
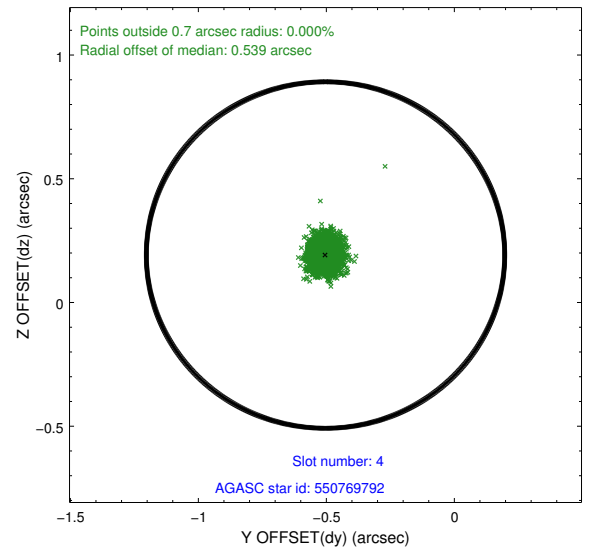
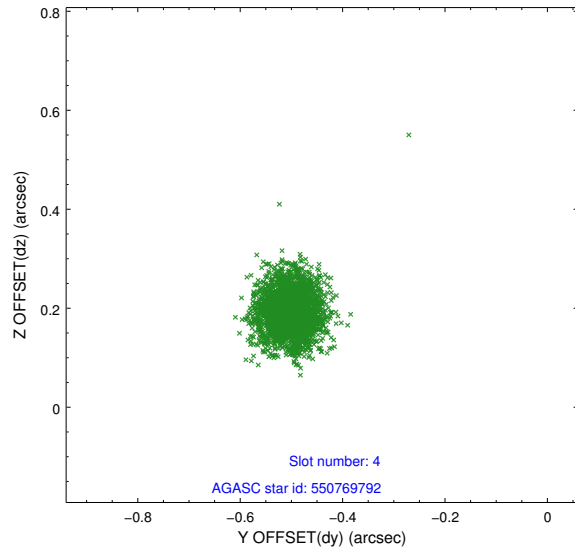
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1162	0.004	-0.027	0.008	0.014	0.000000	0.000000	936.23	-1726.79
1	FID	ACIS-S-4	7.20	1162	0.072	0.022	0.008	0.012	0.000000	0.000000	2154.41	176.10
2	FID	ACIS-S-5	7.23	1162	-0.103	0.019	0.006	0.010	0.000000	0.000000	-1811.11	171.12
3	GUIDE	550769536	8.38	2324	0.155	-0.004	0.075	0.120	257.982354	63.126720	533.37	-1644.89
4	GUIDE	550769792	8.08	2323	-0.503	0.192	0.056	0.089	258.096675	63.352089	-186.20	-1226.51
5	GUIDE	550769896	8.63	2324	0.183	-0.029	0.064	0.105	257.787710	63.467361	-730.97	-1577.14
6	GUIDE	551288960	7.61	2323	0.069	-0.064	0.060	0.101	259.407558	64.033161	-1932.90	1481.62
7	GUIDE	551298432	8.47	2321	0.098	-0.095	0.062	0.096	259.325450	64.084337	-2146.07	1410.03

2.4 Star Slots

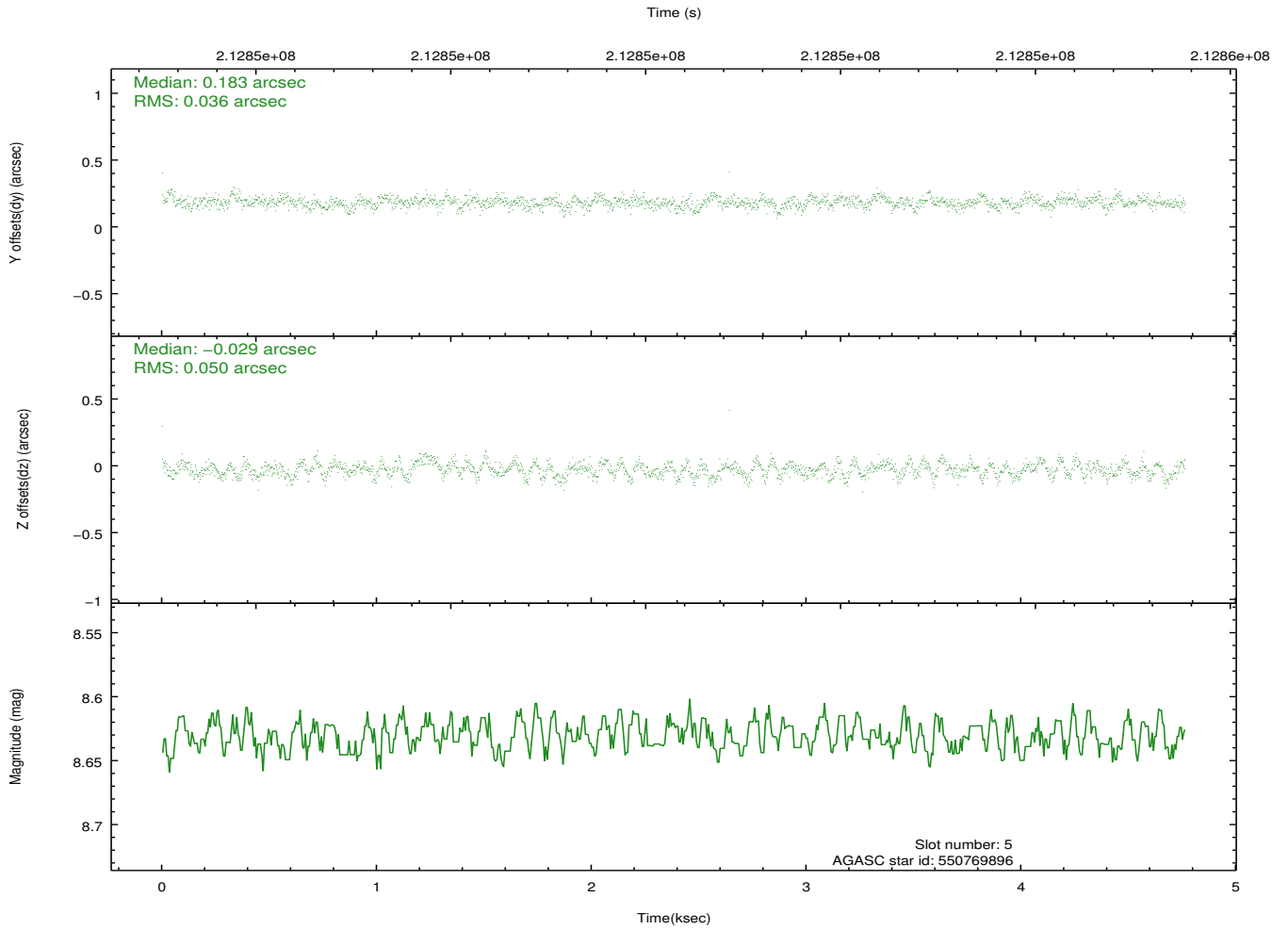
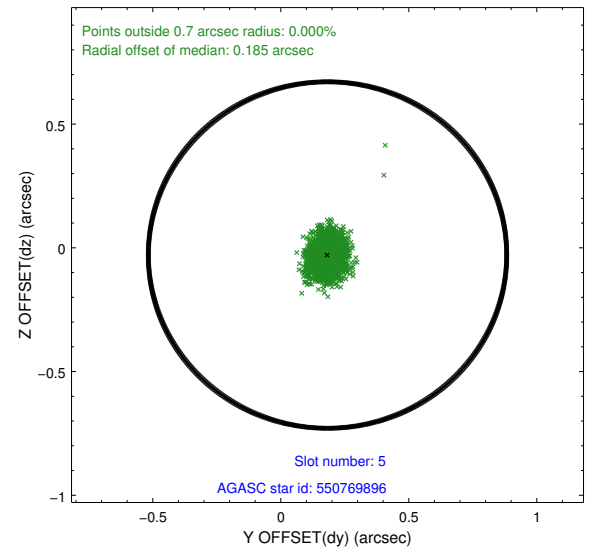
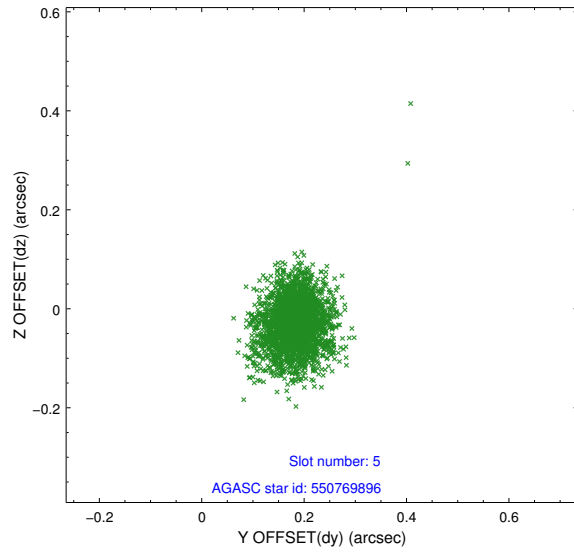
2.4.1 Slot 3



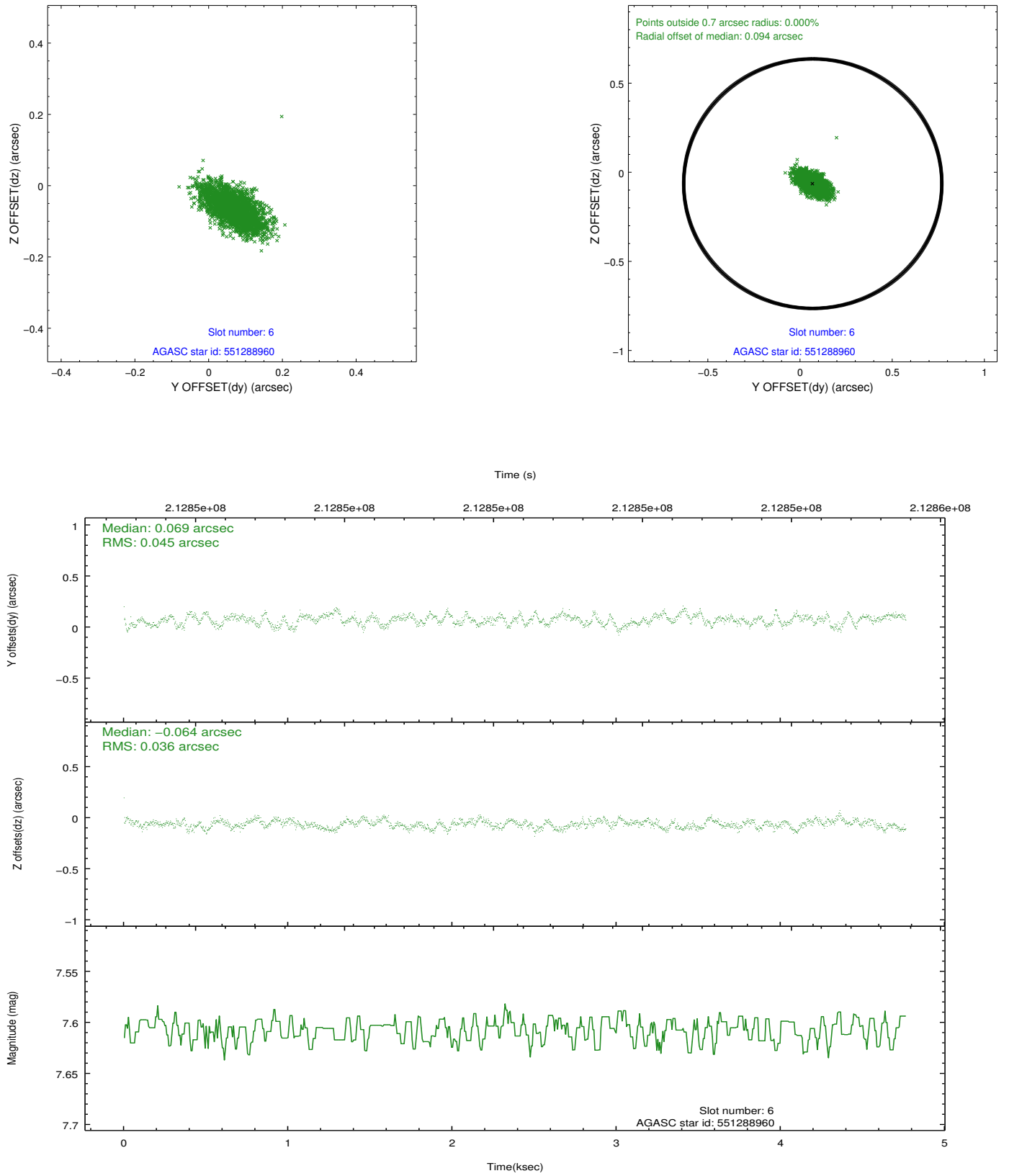
2.4.2 Slot 4



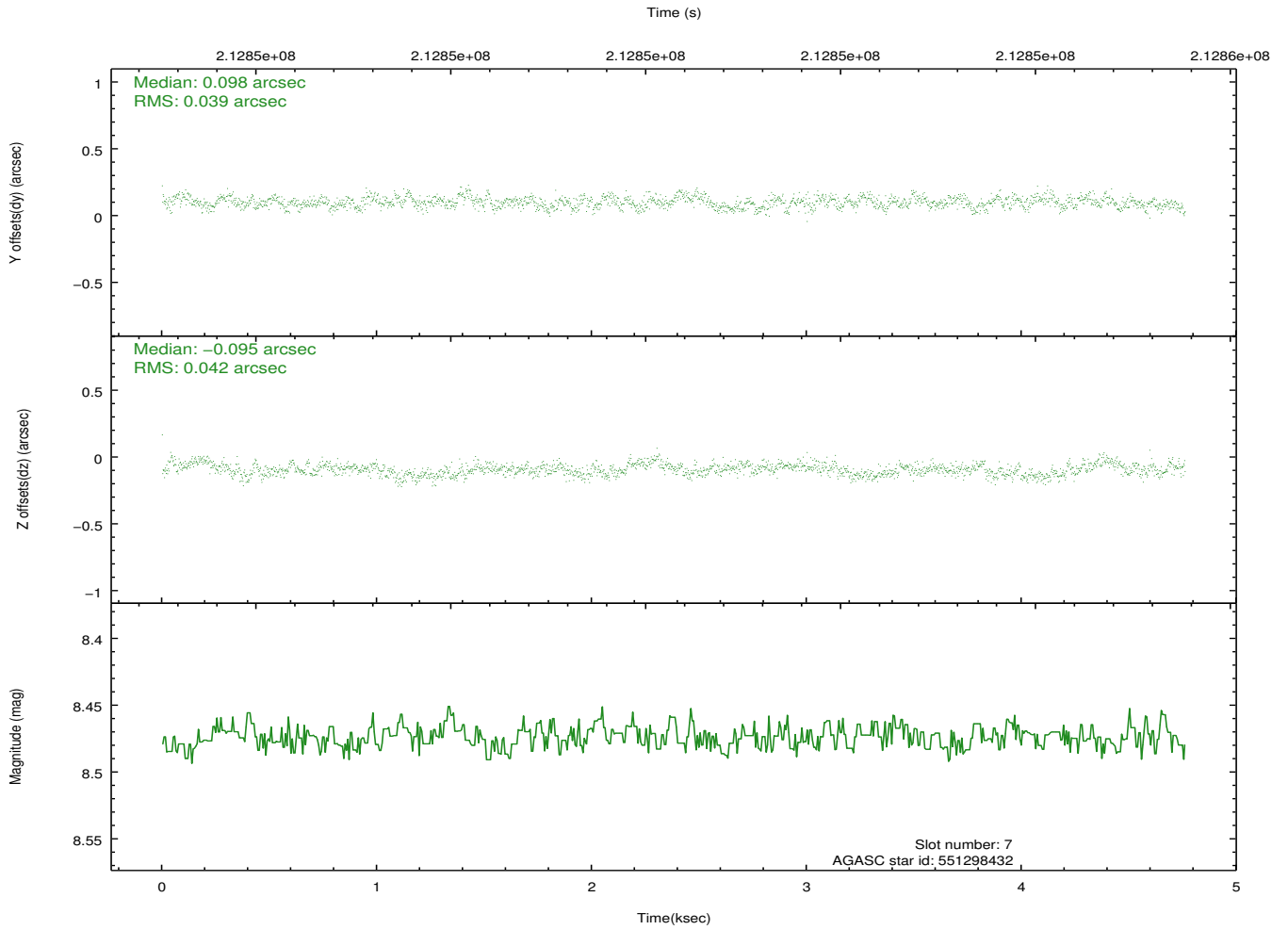
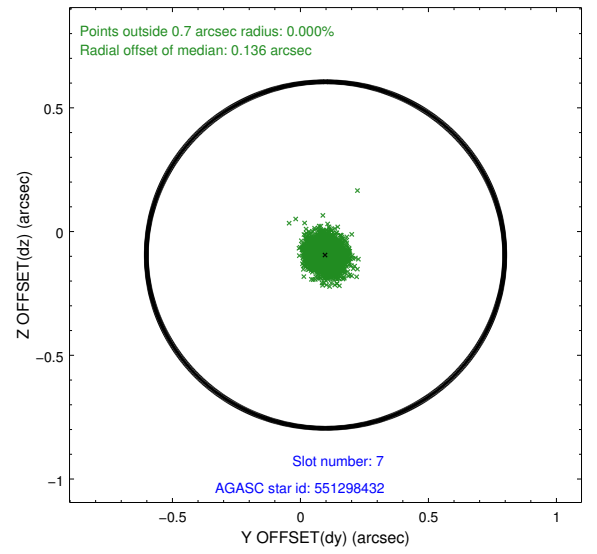
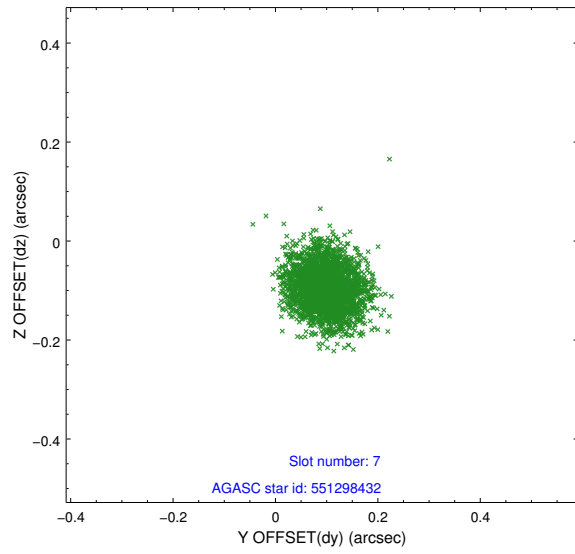
2.4.3 Slot 5



2.4.4 Slot 6

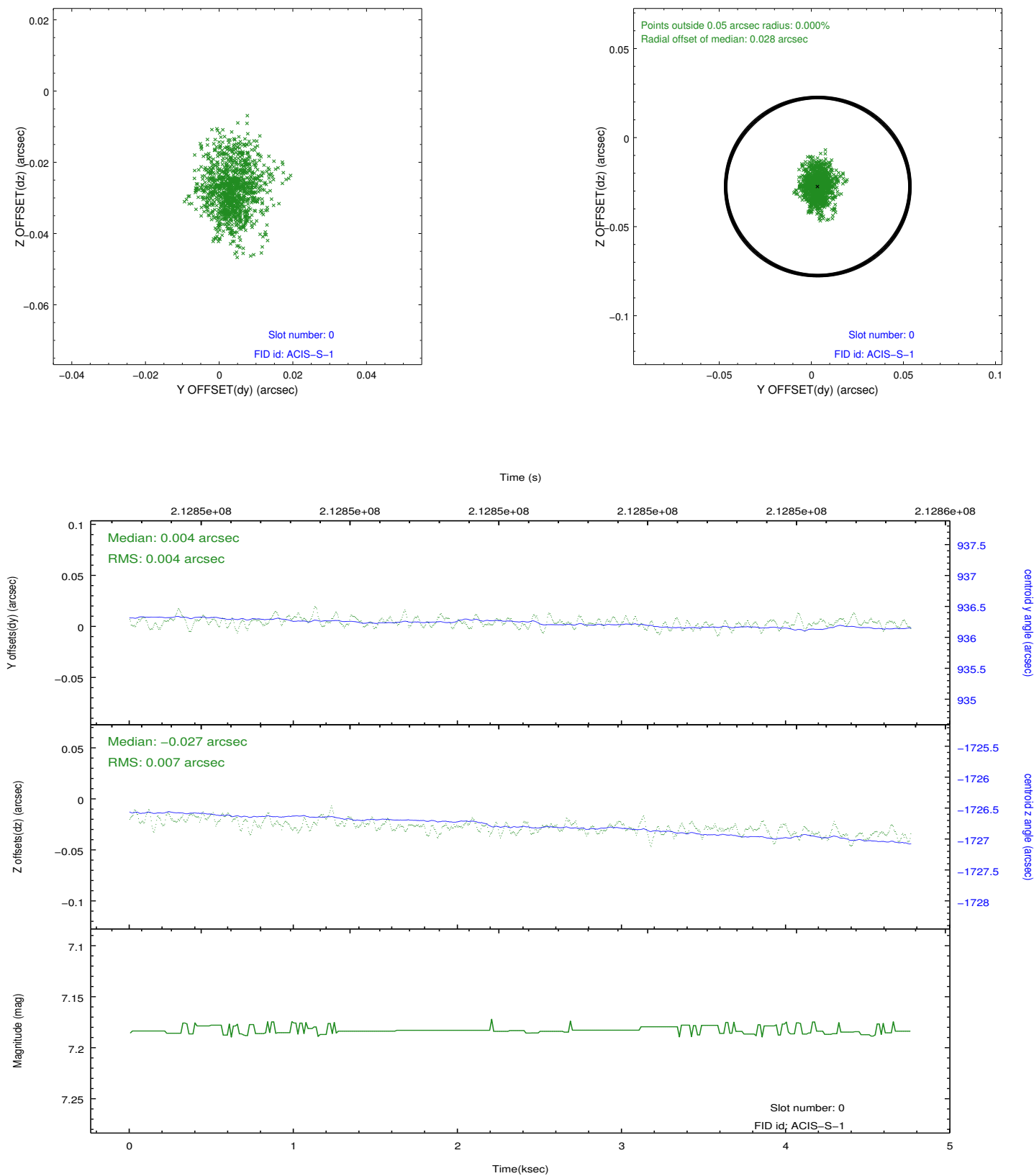


2.4.5 Slot 7

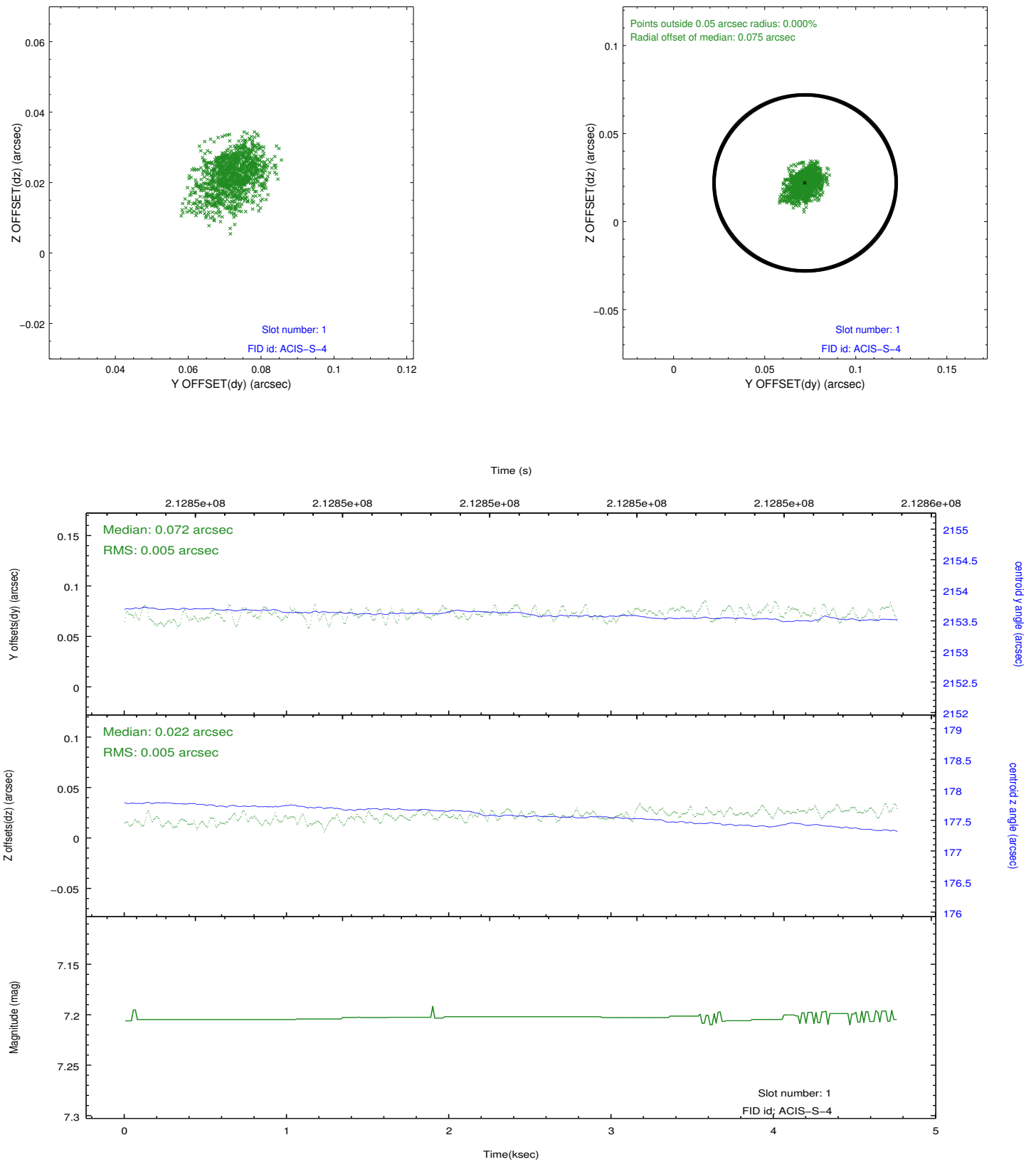


2.5 FID Slots

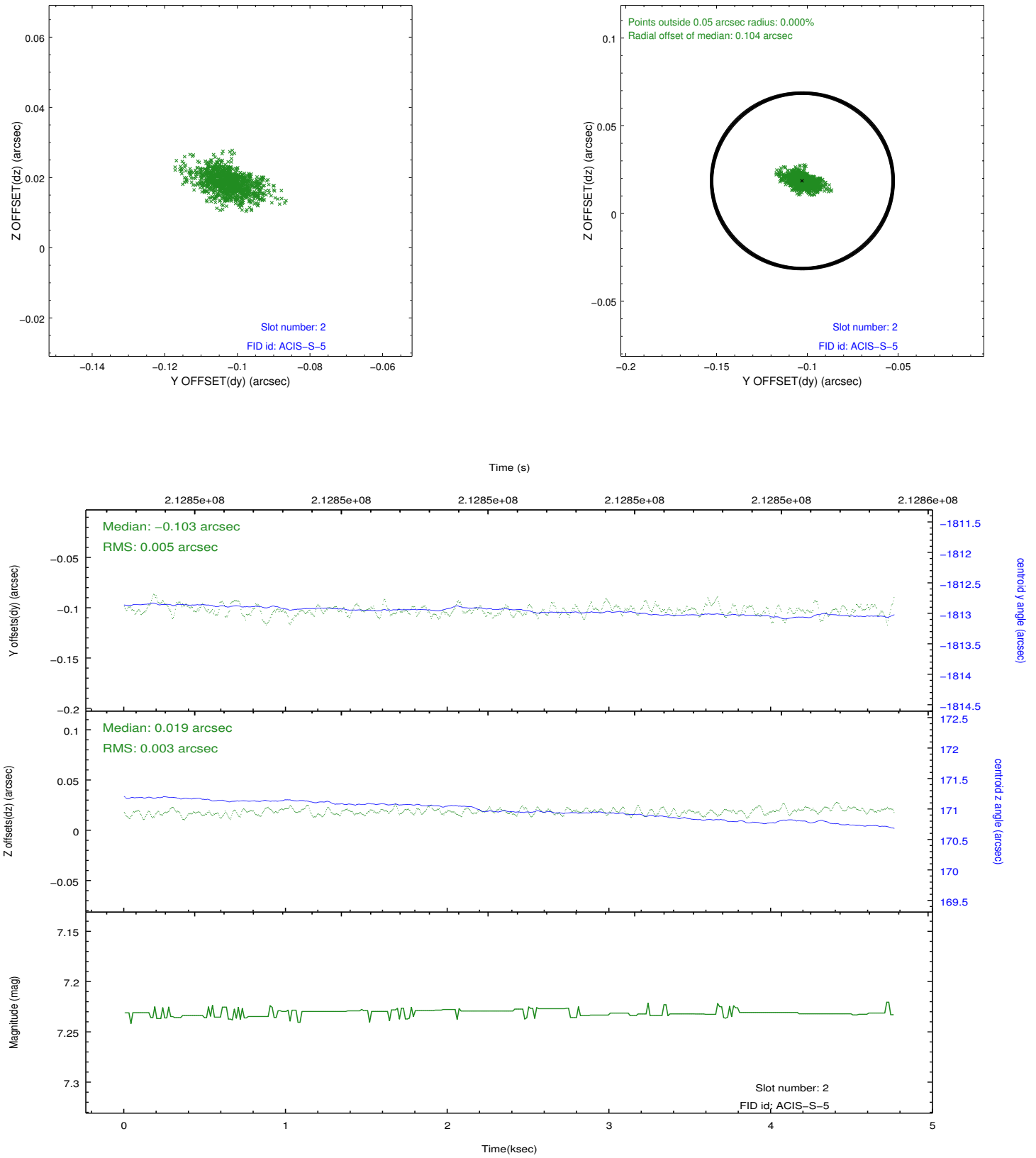
2.5.1 Slot 0



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)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.307

A.2 Comments