

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3019 - L2 Version 3
Chandra X-Ray Center

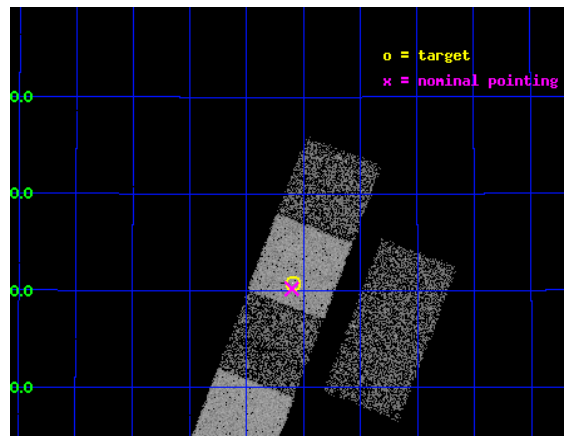
L2 Processing Date : Oct 2 2012

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1 Front

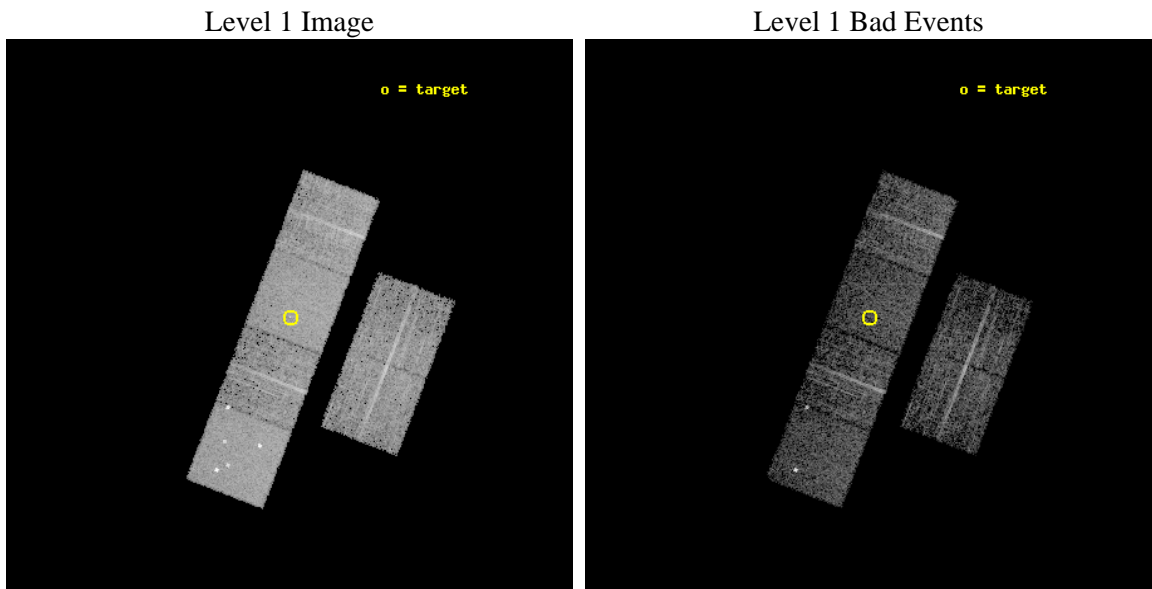
seq_num	700458	Sequence number
obs_id	3019	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	HS0218+3707	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	35.273	Observer's specified target RA [deg]
dec_targ	37.346167	Observer's specified target Dec [deg]
ra_nom	35.275322200399	Nominal RA [deg]
dec_nom	37.336610167322	Nominal Dec [deg]
roll_nom	290.97504219573	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4582.4000042528	Sum of GTIs [s]
livetime	4524.3748962089	Livetime [s]
ontime2	4582.4000042528	Sum of GTIs [s]
ontime3	4582.4000042528	Sum of GTIs [s]
ontime5	4582.4000042528	Sum of GTIs [s]
ontime6	4582.4000042528	Sum of GTIs [s]
ontime7	4582.4000042528	Sum of GTIs [s]
ontime8	4579.1591635793	Sum of GTIs [s]
l2events	45927	Number of level 2 events



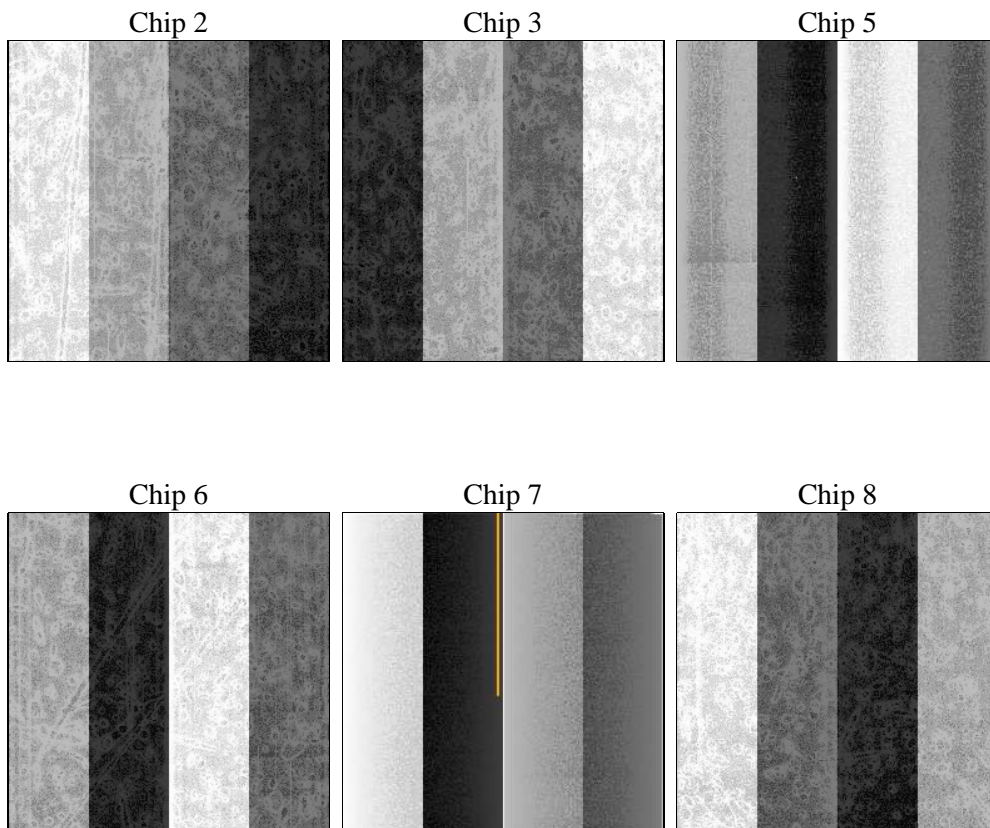
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	4	Obi number	sched_exp_time	4828.133000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4582.4000042528	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4582.4000042528	Sum of GTIs [s]
date	2012-10-02T05:05:43	Date and time of file creation	ontime3	4582.4000042528	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4582.4000042528	Sum of GTIs [s]
			ontime6	4582.4000042528	Sum of GTIs [s]
			ontime7	4582.4000042528	Sum of GTIs [s]
			ontime8	4579.1591635793	Sum of GTIs [s]
			l1events	210232	Number of level 1 events

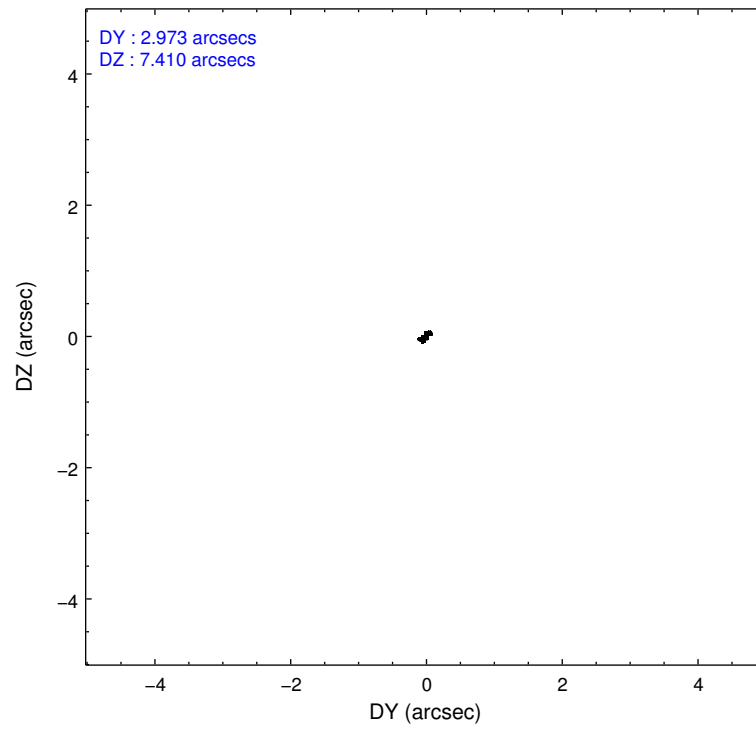
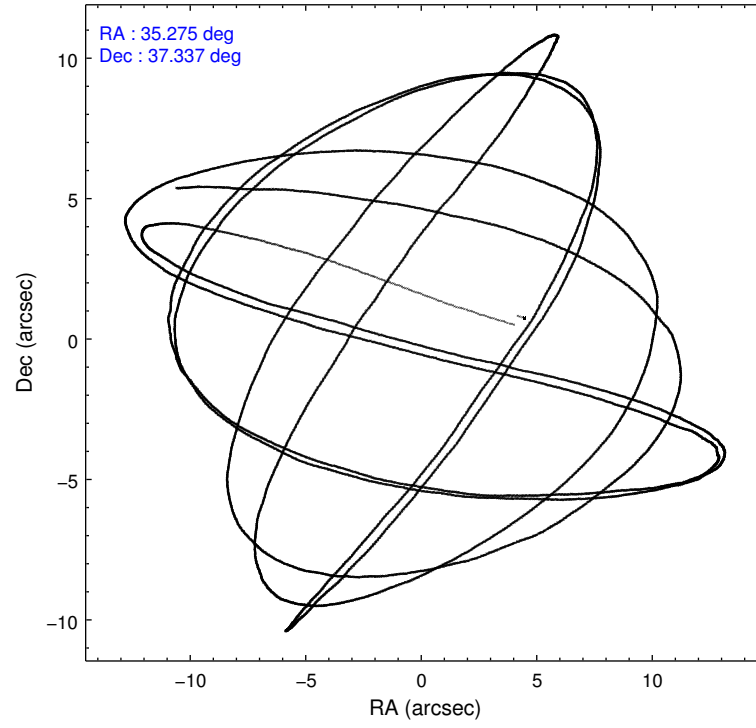
2.1.4 Events

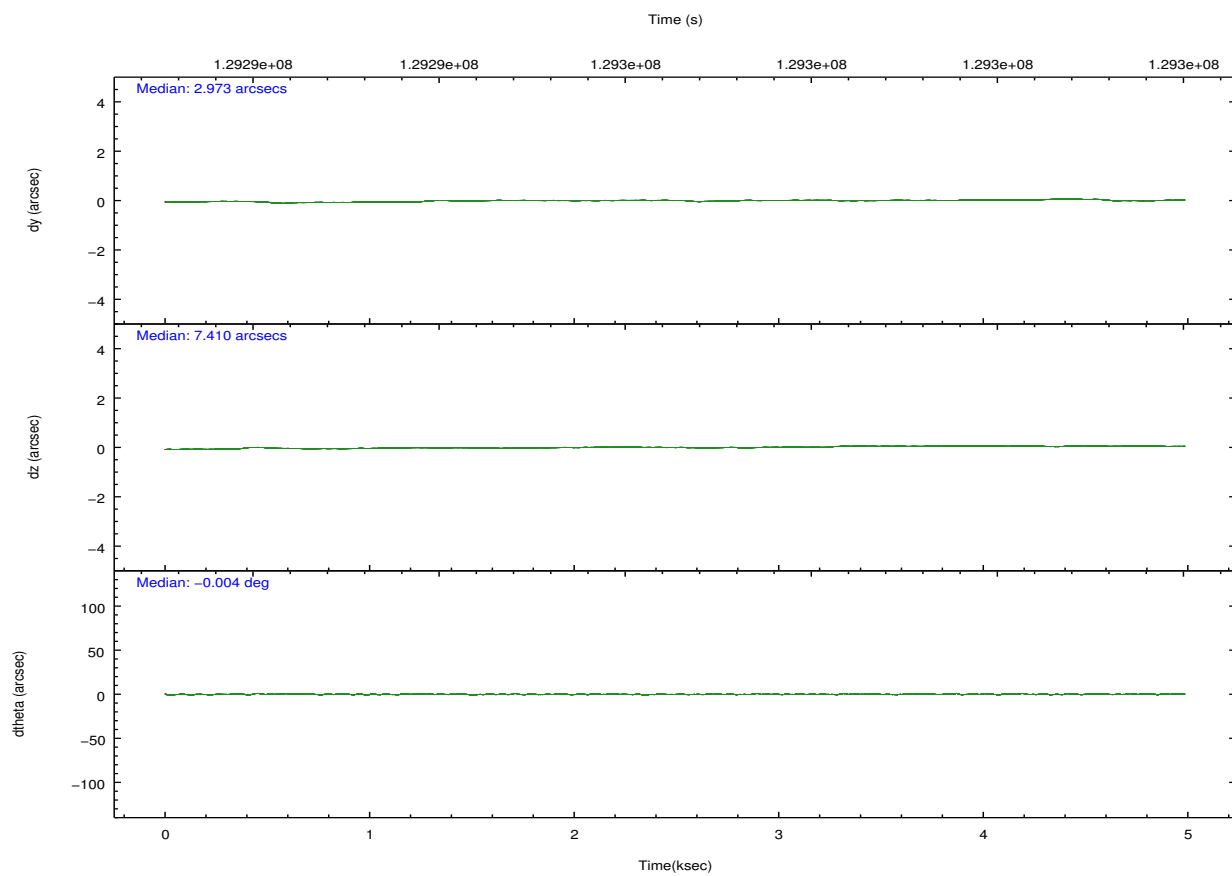
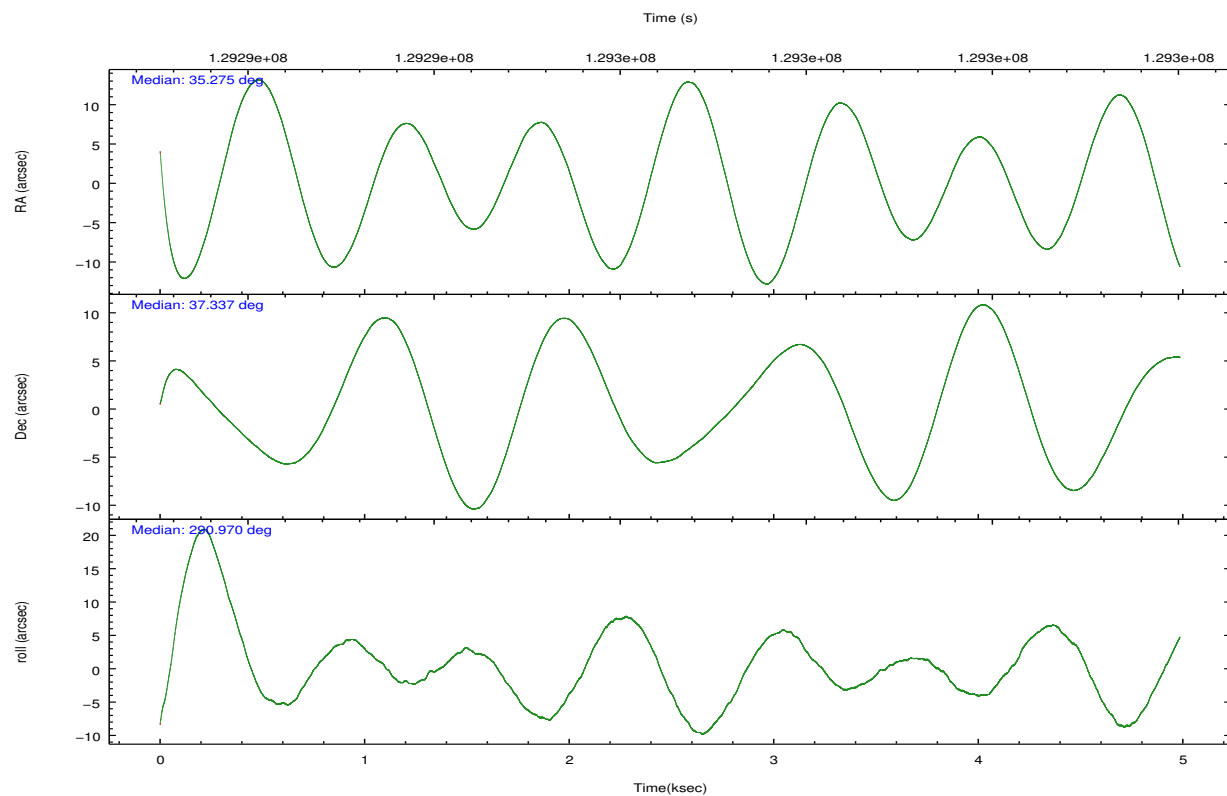
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29479	26620	45913	29095	39506	39619	grade 0 events	1560	1403	3948	1350	1647	2439
rejected events	26002	23306	24080	25732	23062	32033		5%	5%	8%	4%	4%	6%
rejected %	88%	87%	52%	88%	58%	80%	grade 1 events	14	9	198	15	43	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	733	675	6066	675	3277	1661
								2%	2%	13%	2%	8%	4%
							grade 3 events	315	335	838	349	1514	821
								1%	1%	1%	1%	3%	2%
							grade 4 events	272	319	821	336	1439	737
								0%	1%	1%	1%	3%	1%
							grade 5 events	979	1126	3403	1186	3704	1519
								3%	4%	7%	4%	9%	3%
							grade 6 events	601	585	10186	659	8586	1935
								2%	2%	22%	2%	21%	4%
							grade 7 events	25005	22168	20453	24525	19296	30473
								84%	83%	44%	84%	48%	76%

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	35.248391	35.27532220039949	Subarray requested	NONE	NONE
[deg] Pointing Dec	37.353523	37.3366101673225	Alternating exposures requested	N	N
[deg] Pointing Roll	290.834771	290.9750421957286	[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)	129292934.184000	129291934.84756			
Observation start date	2002-02-05T10:41:10	2002-02-05T10:25:34			
[s] Observation end time (MET)	129297762.184000	129298076.64781			
Observation end date	2002-02-05T12:01:38	2002-02-05T12:07:56			
Read mode	TIMED	TIMED			

2.3 Aspect



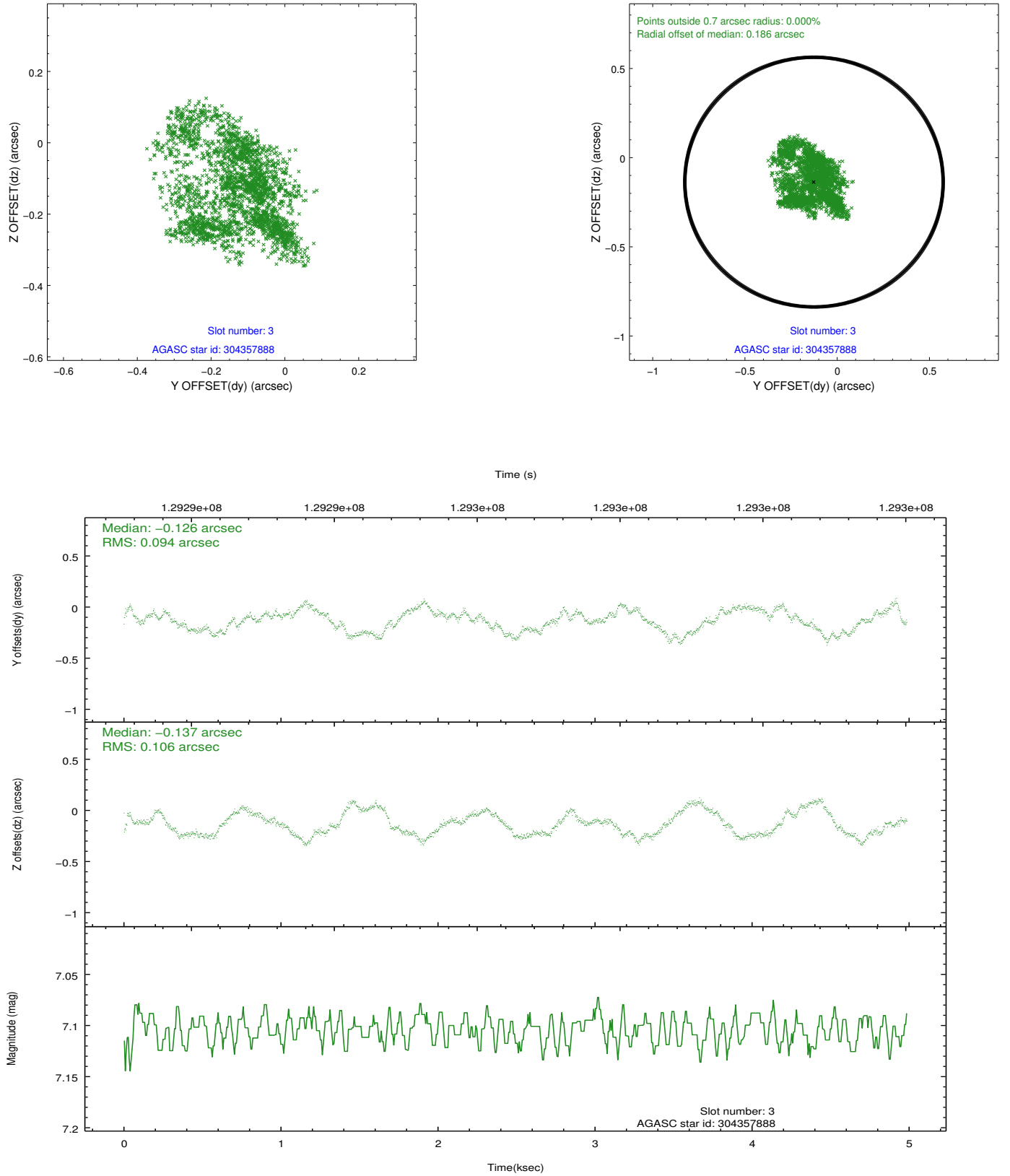


Slot Statistics

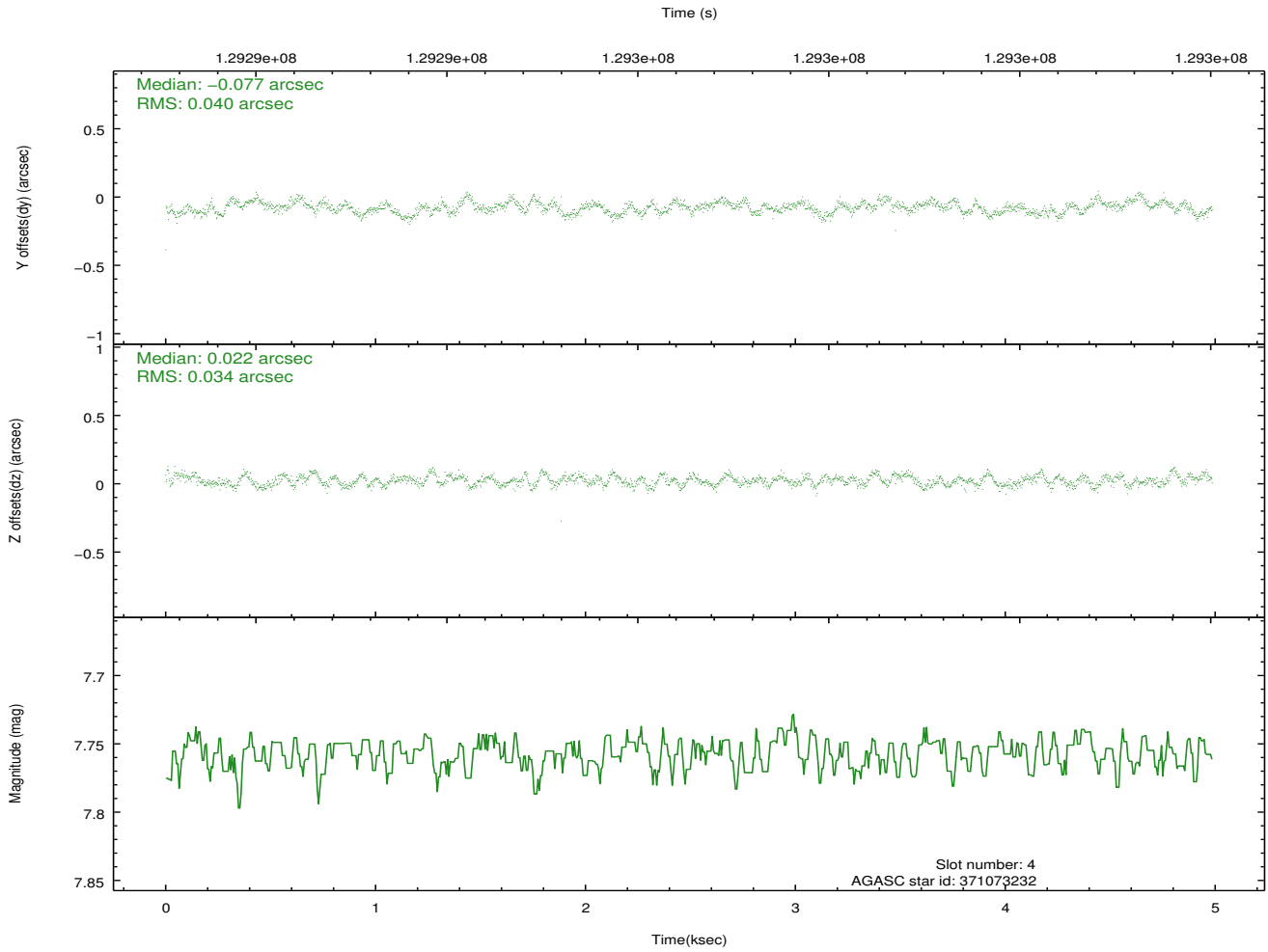
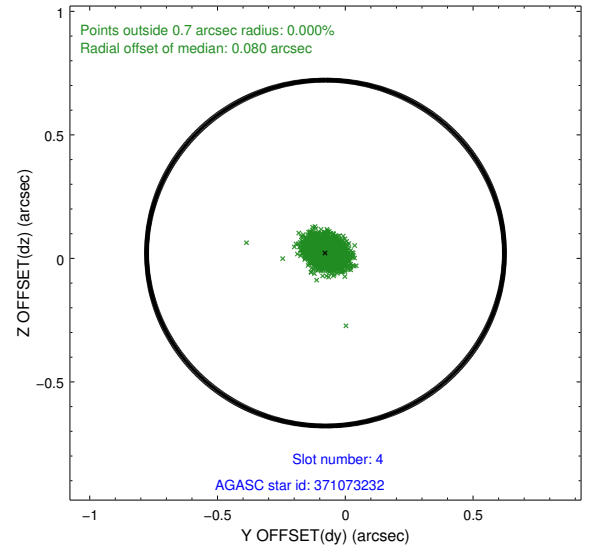
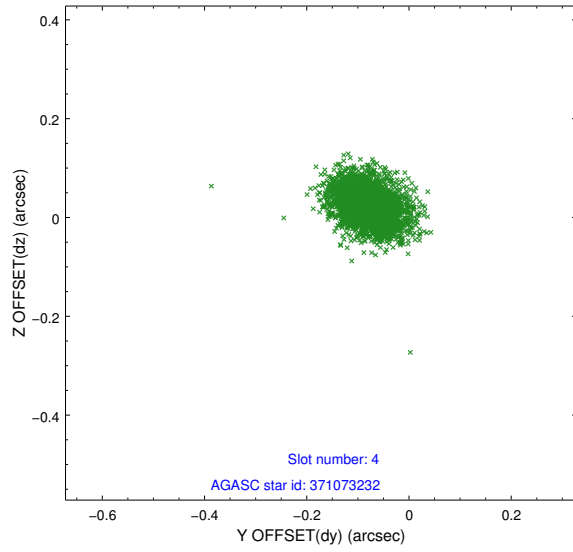
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1217	-0.008	0.002	0.007	0.012	0.000000	0.000000	-755.61	-1728.53
1	FID	ACIS-S-4	7.20	1217	-0.036	0.003	0.005	0.011	0.000000	0.000000	2157.09	178.69
2	FID	ACIS-S-5	7.24	1217	0.013	0.003	0.007	0.012	0.000000	0.000000	-1806.86	173.75
3	GUIDE	304357888	7.10	2433	-0.126	-0.137	0.153	0.240	34.650127	37.067057	348.91	-1970.55
4	GUIDE	371073232	7.76	2433	-0.077	0.022	0.056	0.089	35.597997	37.698775	-807.89	1373.22
5	GUIDE	304356192	7.90	2433	0.155	-0.025	0.061	0.103	35.260114	37.070157	966.72	-329.98
6	GUIDE	371081536	8.81	2433	-0.099	-0.003	0.087	0.148	35.642582	37.930390	-1543.59	1785.93
7	GUIDE	304354912	9.66	2432	0.157	0.144	0.141	0.222	35.936140	37.051881	1711.72	1464.74

2.4 Star Slots

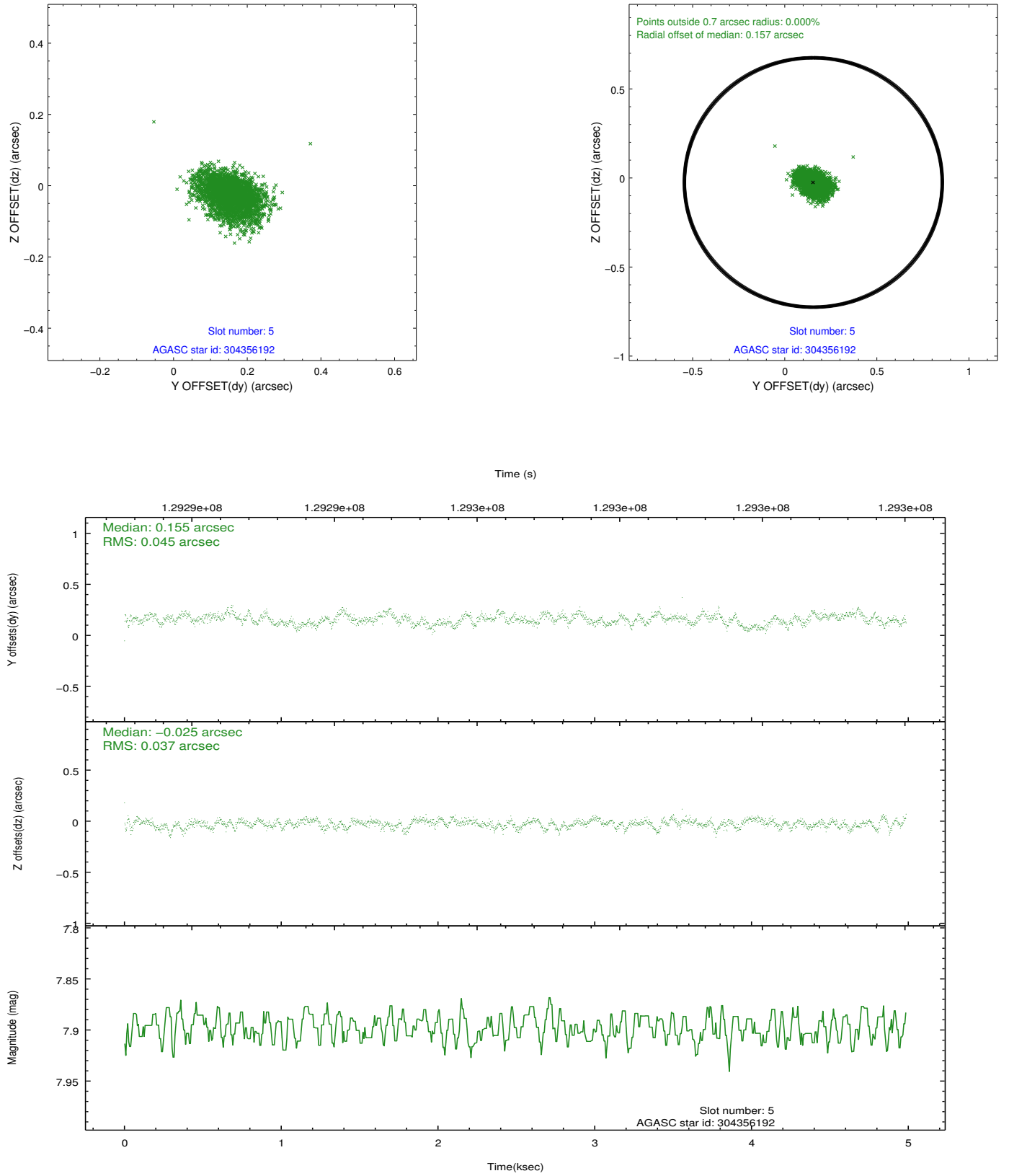
2.4.1 Slot 3



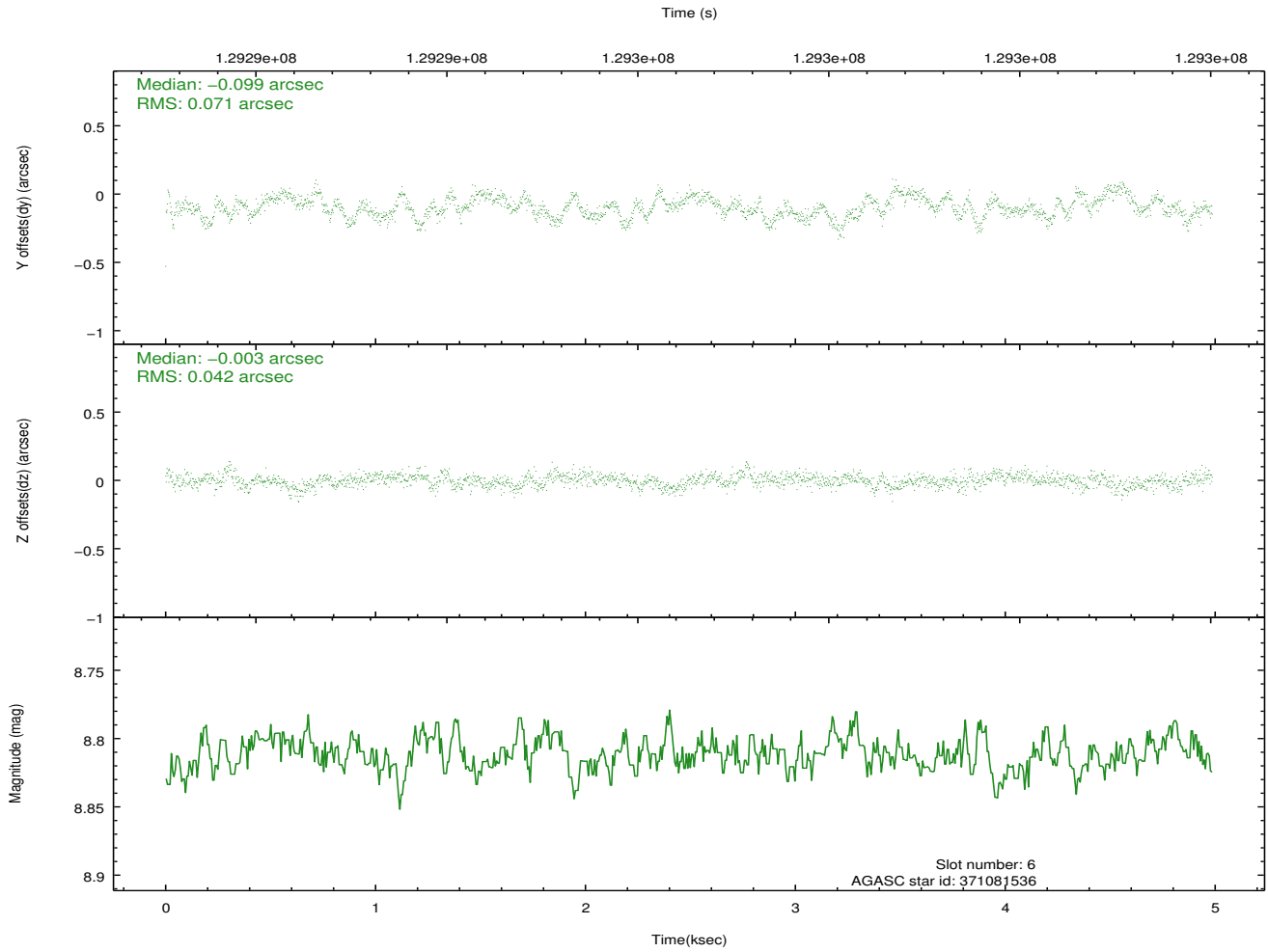
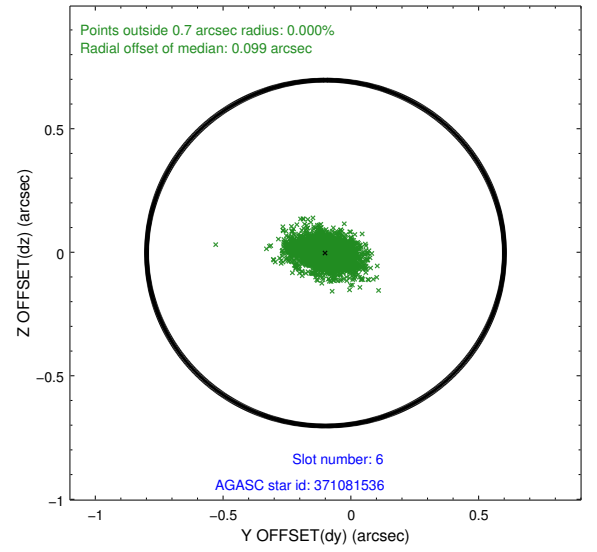
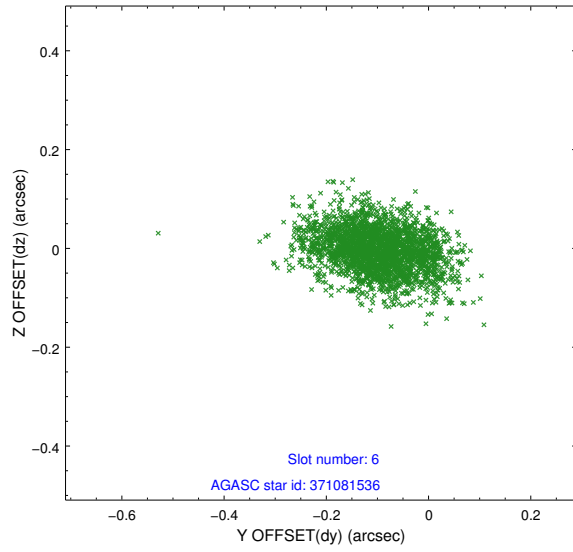
2.4.2 Slot 4



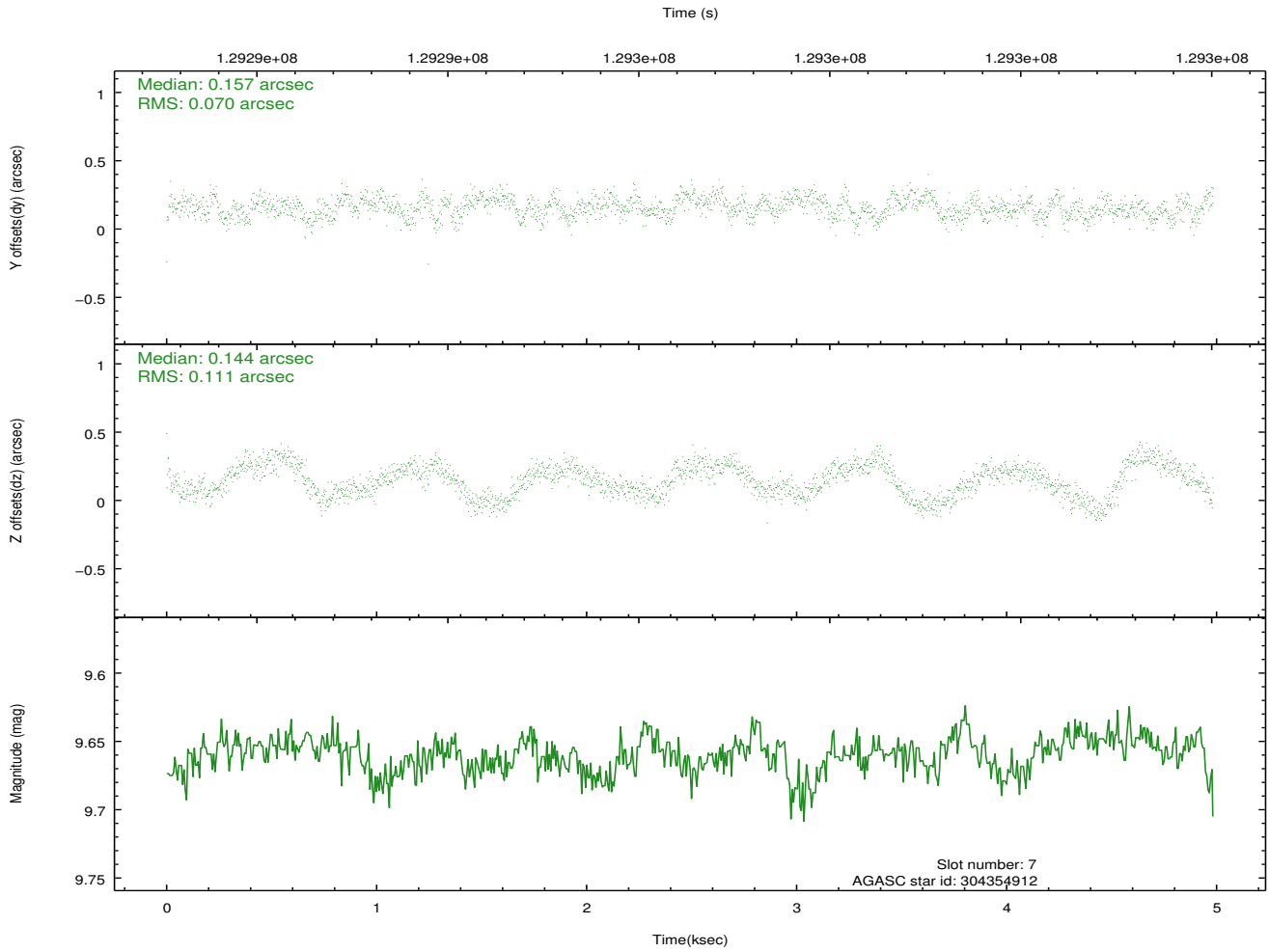
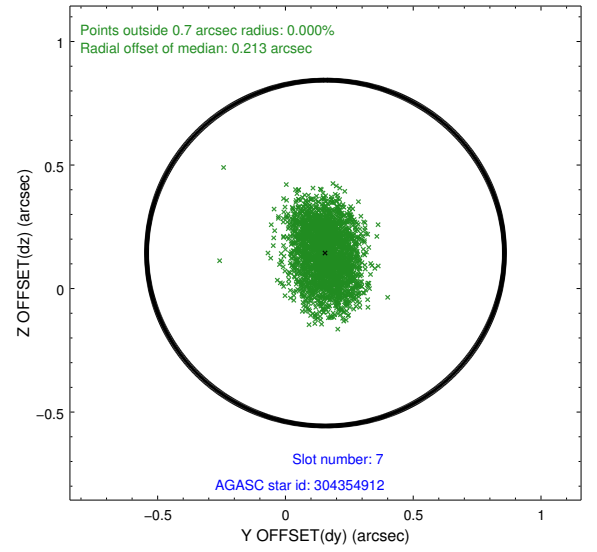
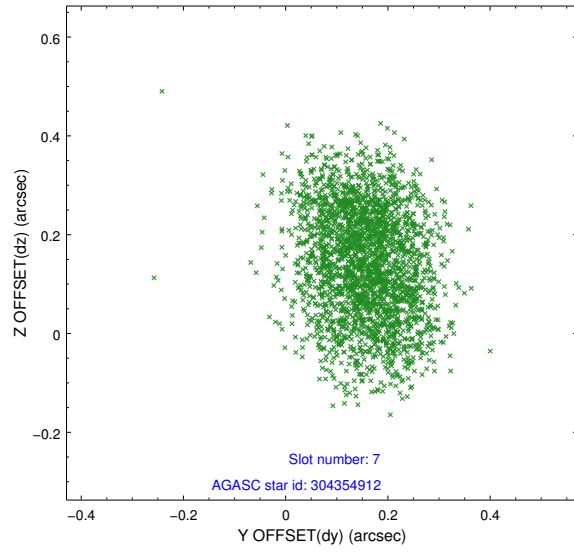
2.4.3 Slot 5



2.4.4 Slot 6

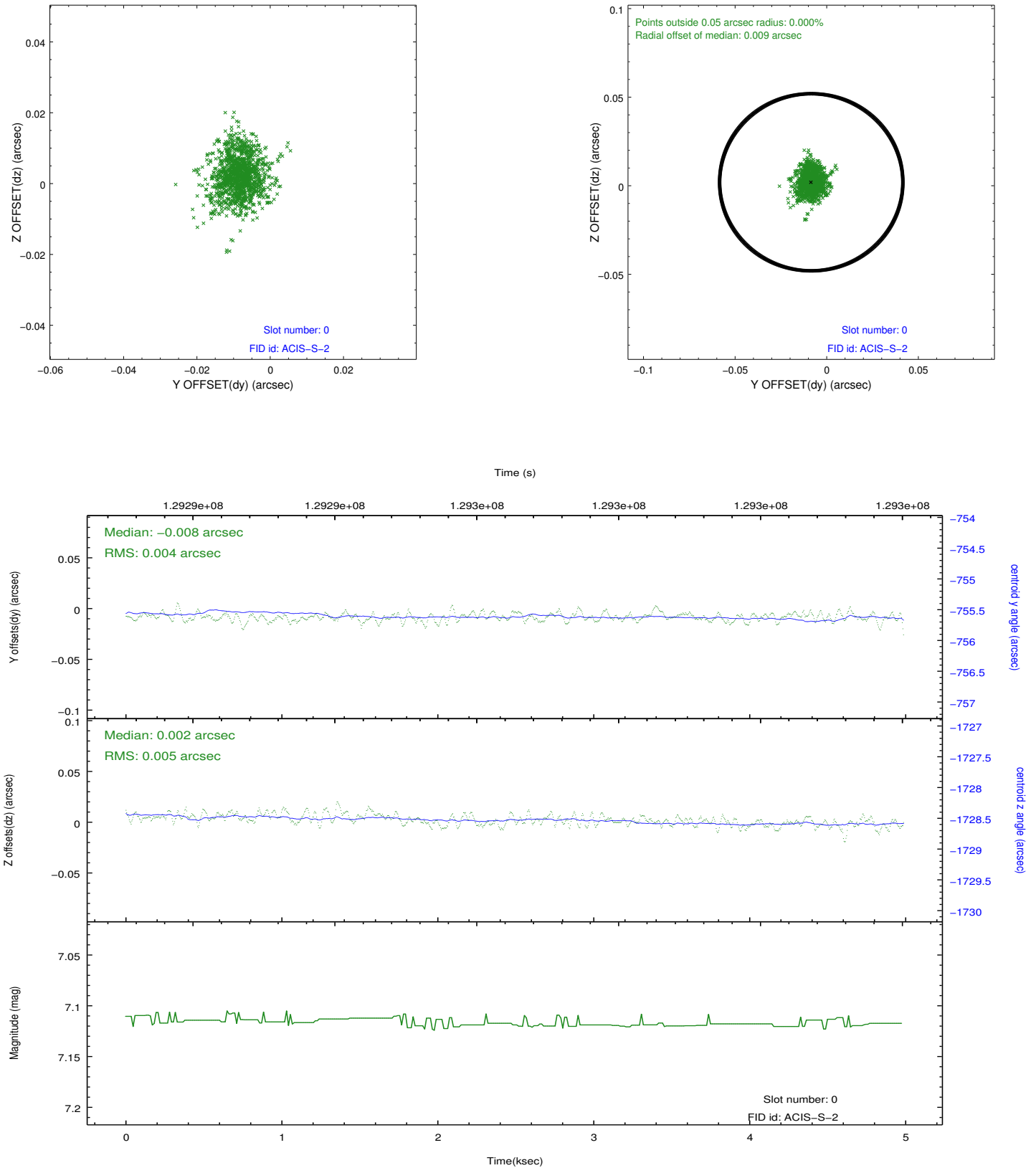


2.4.5 Slot 7

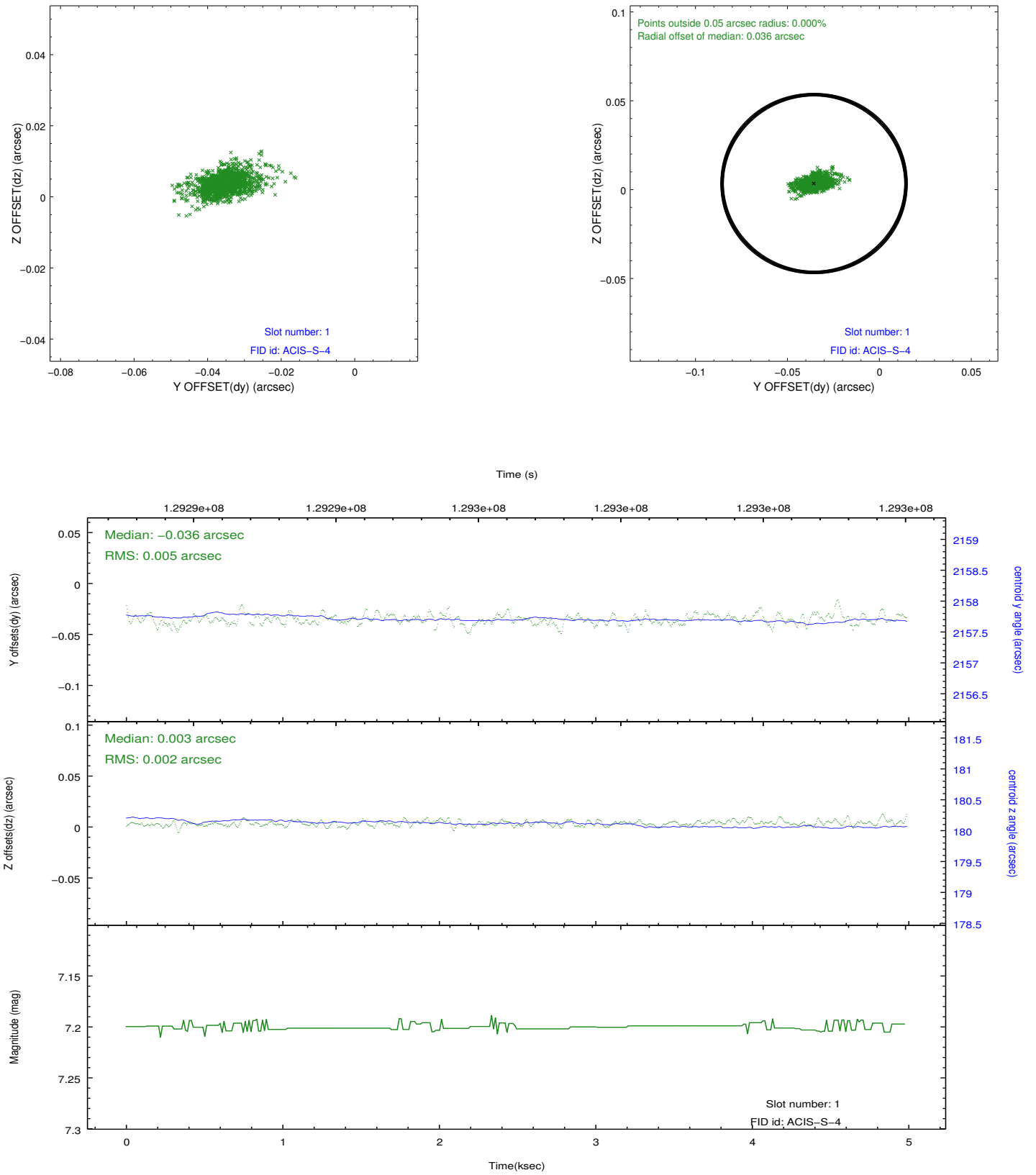


2.5 FID Slots

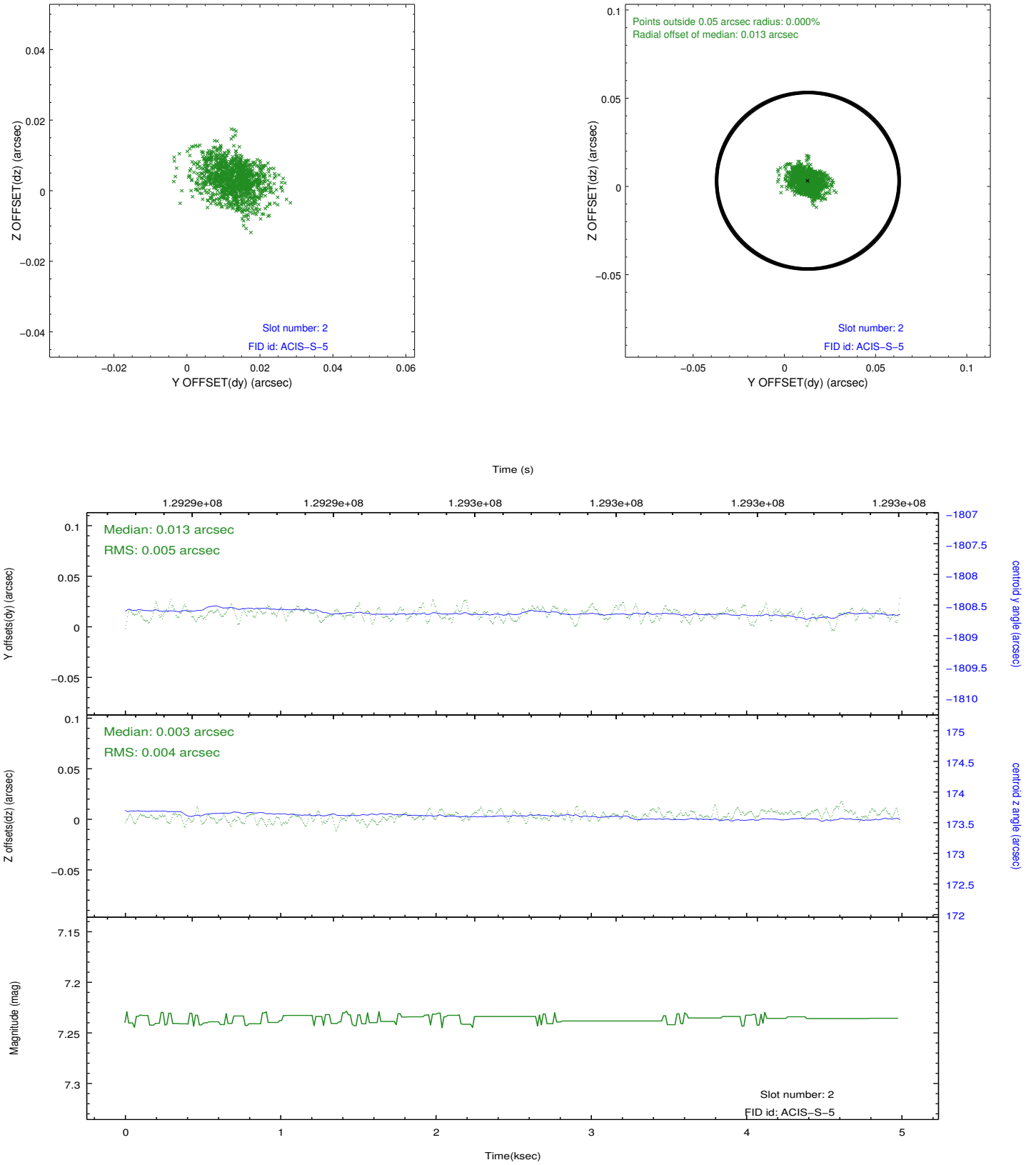
2.5.1 Slot 0



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)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.585

A.2 Comments