

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4102 - L2 Version 3
Chandra X-Ray Center

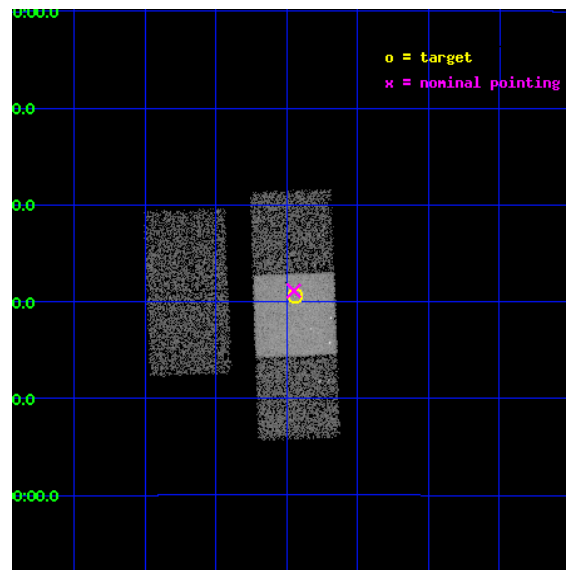
L2 Processing Date : Nov 3 2012

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1 Front

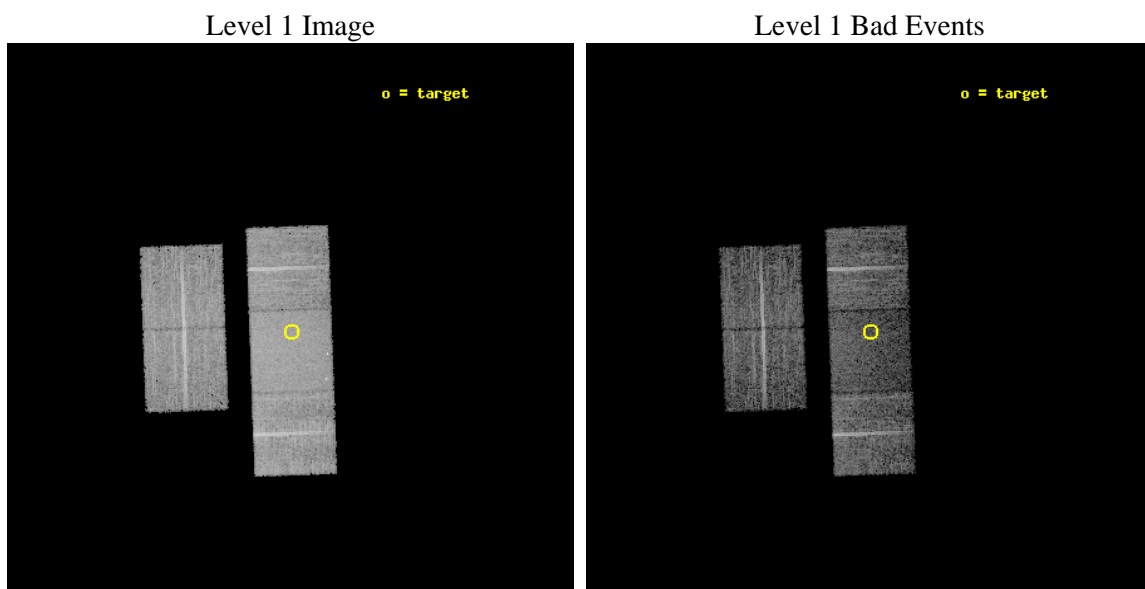
seq_num	700781	Sequence number
obs_id	4102	Observation id
title	THE X-RAY PROPERTIES OF ULTRALUMINOUS INFRARED GALAXIES (ULIGS)	Pr
observer	Professor Andrew Wilson	Principal investigator
object	F00188-0856	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.360417	Observer's specified target RA [deg]
dec_targ	-8.657528	Observer's specified target Dec [deg]
ra_nom	5.3624914165909	Nominal RA [deg]
dec_nom	-8.6480905240707	Nominal Dec [deg]
roll_nom	87.930993548375	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10105.999980539	Sum of GTIs [s]
livetime	9973.9576508644	Livetime [s]
ontime2	10102.859000325	Sum of GTIs [s]
ontime3	10105.999980539	Sum of GTIs [s]
ontime6	10105.999980539	Sum of GTIs [s]
ontime7	10105.999980539	Sum of GTIs [s]
ontime8	10102.859000325	Sum of GTIs [s]
l2events	55269	Number of level 2 events



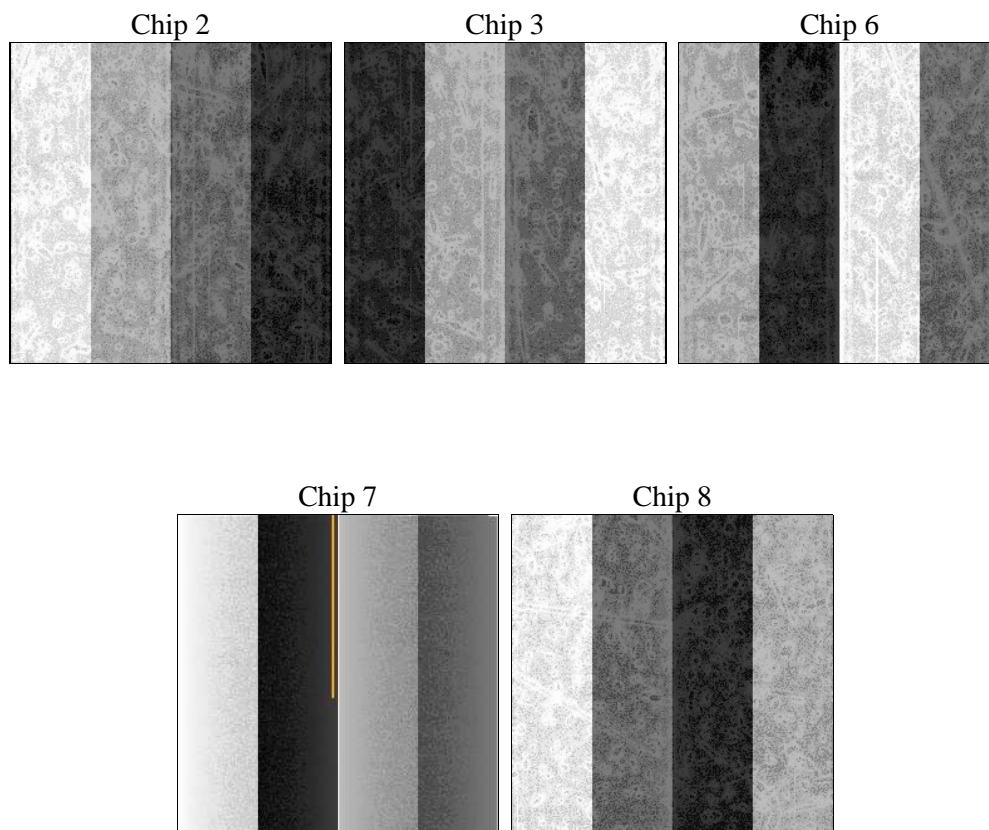
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10105.999980539	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	10102.859000325	Sum of GTIs [s]
date	2012-11-03T19:20:01	Date and time of file creation	ontime3	10105.999980539	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	10105.999980539	Sum of GTIs [s]
			ontime7	10105.999980539	Sum of GTIs [s]
			ontime8	10102.859000325	Sum of GTIs [s]
			l1events	289985	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	52268	49959	54119	68768	64871
rejected events	47107	44988	48265	32075	50143
rejected %	90%	90%	89%	46%	77%

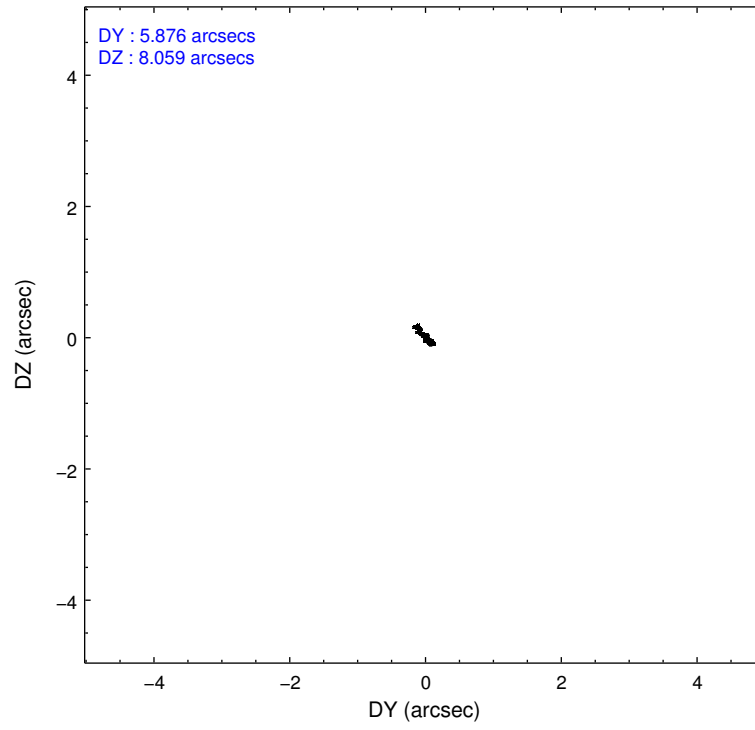
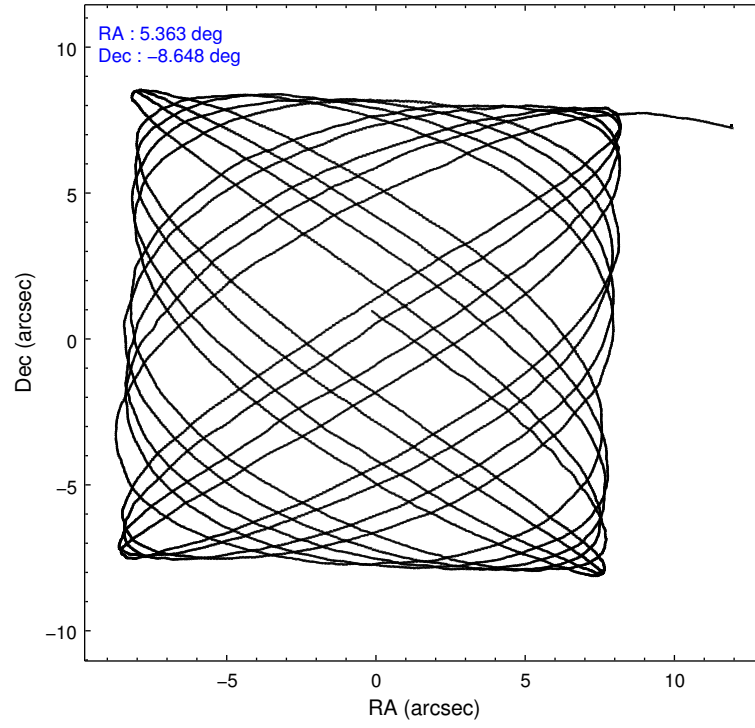
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1888	1795	2314	3868	4718
	3%	3%	4%	5%	7%
grade 1 events	26	21	38	46	45
	0%	0%	0%	0%	0%
grade 2 events	1207	995	1134	7291	3166
	2%	1%	2%	10%	4%
grade 3 events	534	603	633	3318	1565
	1%	1%	1%	4%	2%
grade 4 events	616	598	670	3392	1426
	1%	1%	1%	4%	2%
grade 5 events	1656	1938	2177	6140	2913
	3%	3%	4%	8%	4%
grade 6 events	917	981	1104	18829	3854
	1%	1%	2%	27%	5%
grade 7 events	45424	43028	46049	25884	47184
	86%	86%	85%	37%	72%

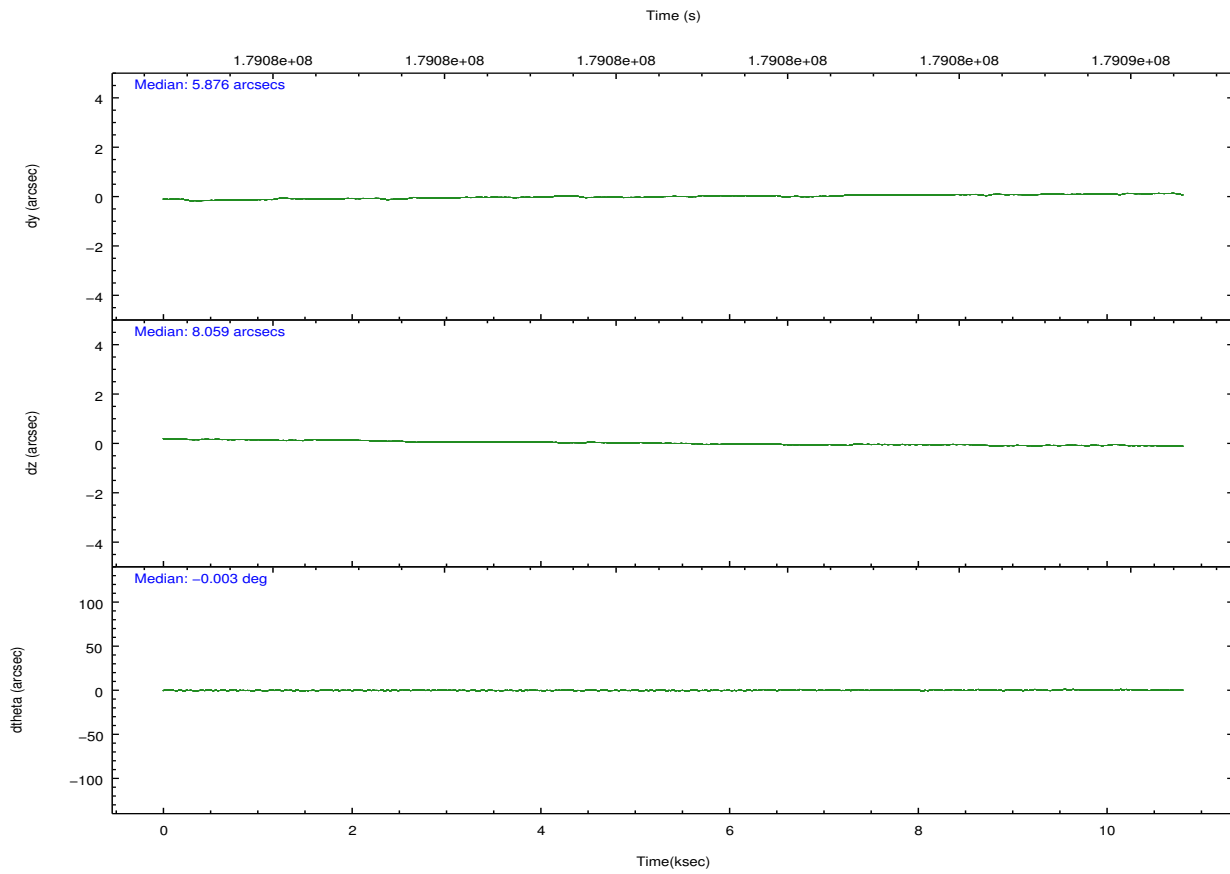
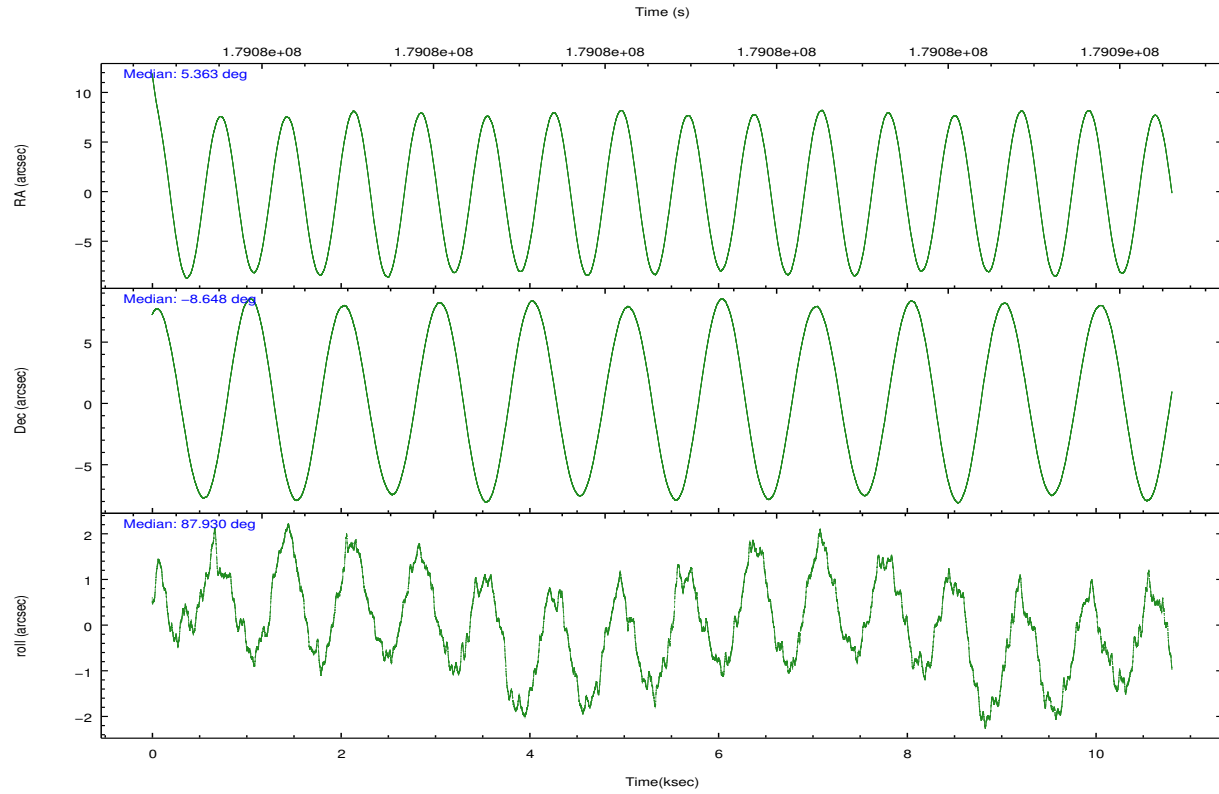
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	5.375704	5.362491416590876
[deg] Pointing Dec	-8.671959	-8.648090524070717
[deg] Pointing Roll	87.776355	87.93099354837538
[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)	179076068.184000	179074797.5314
Observation start date	2003-09-04T15:20:04	2003-09-04T14:59:57
[s] Observation end time (MET)	179086068.184000	179086487.1444
Observation end date	2003-09-04T18:06:44	2003-09-04T18:14:47
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



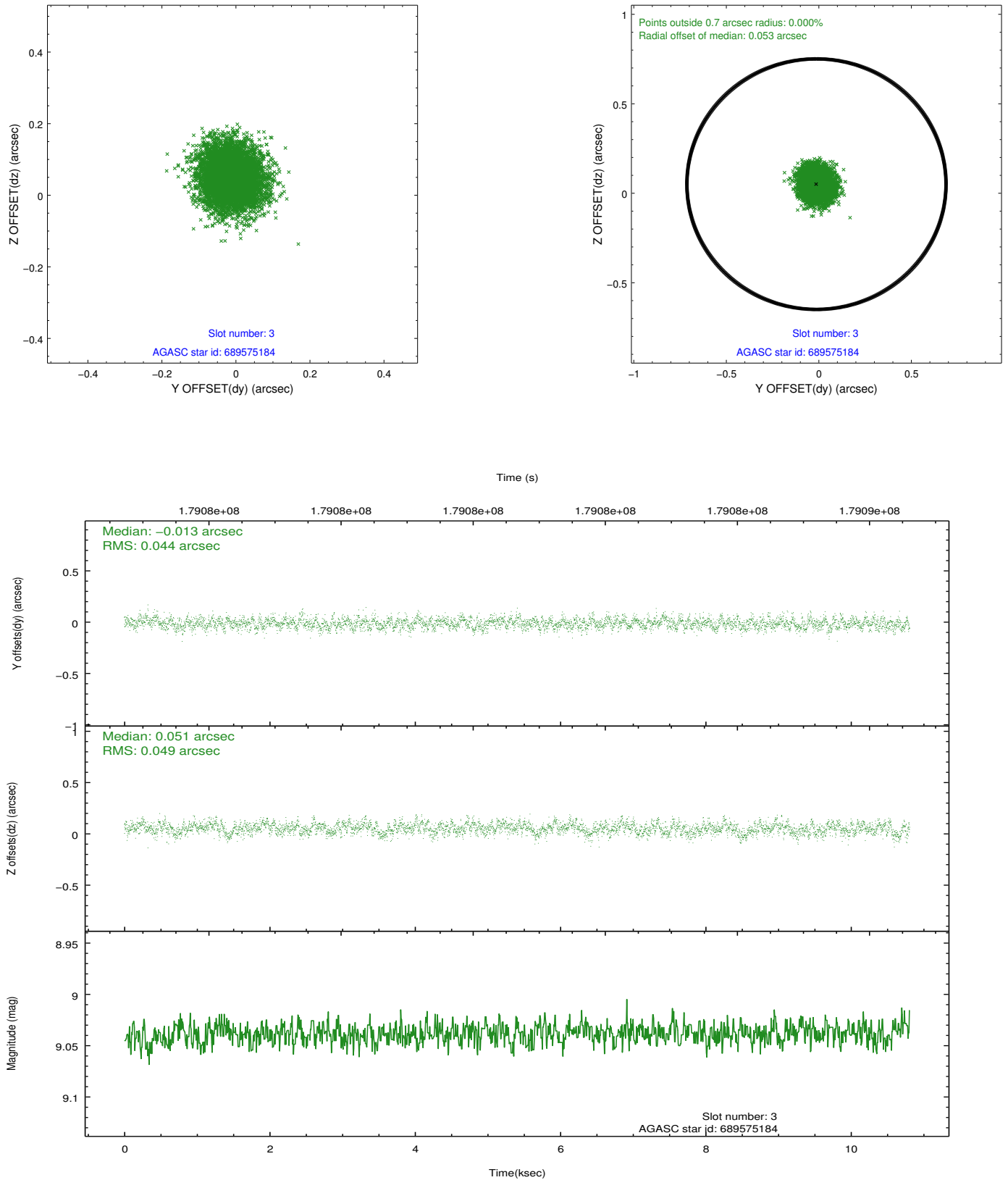


Slot Statistics

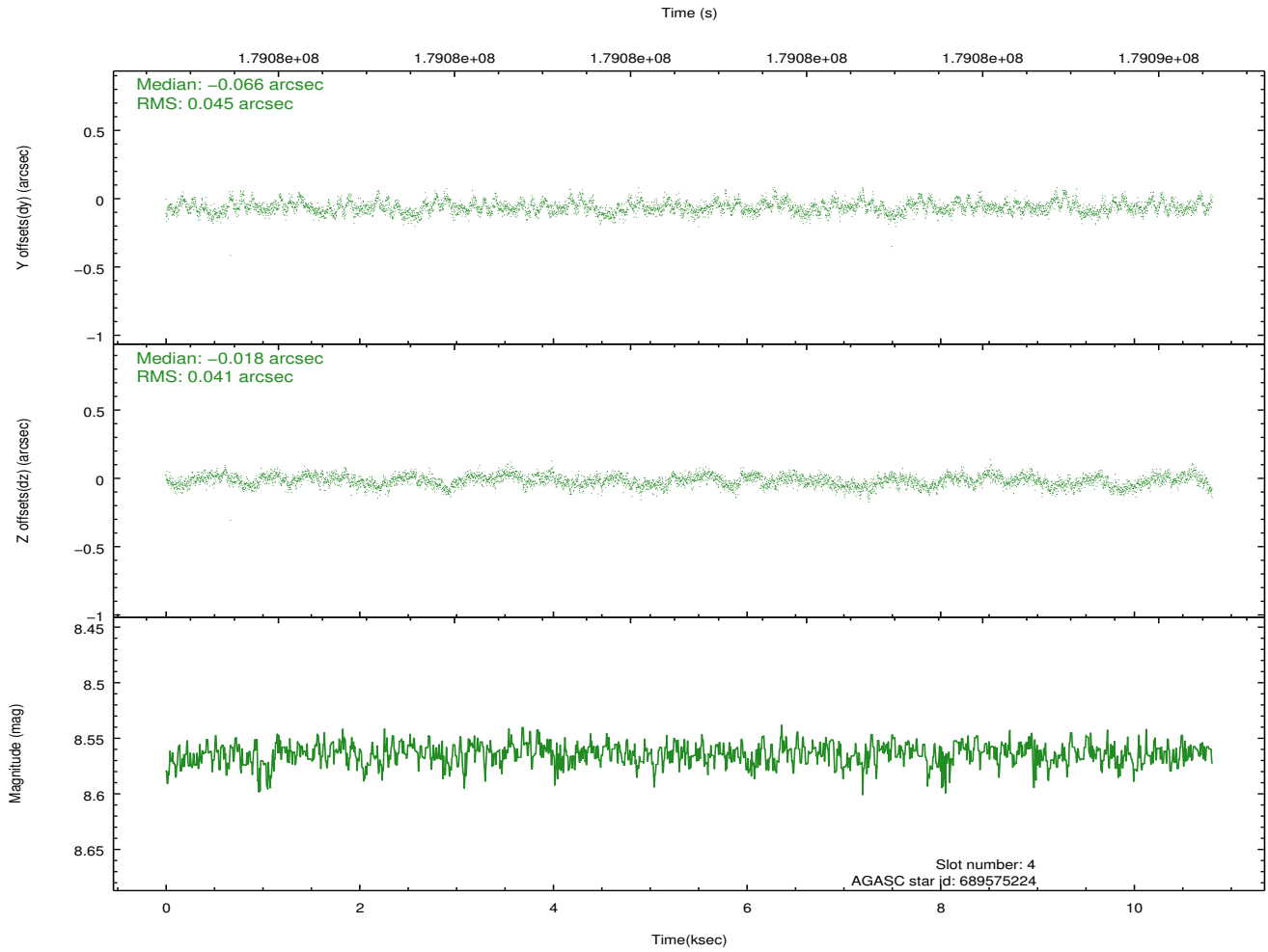
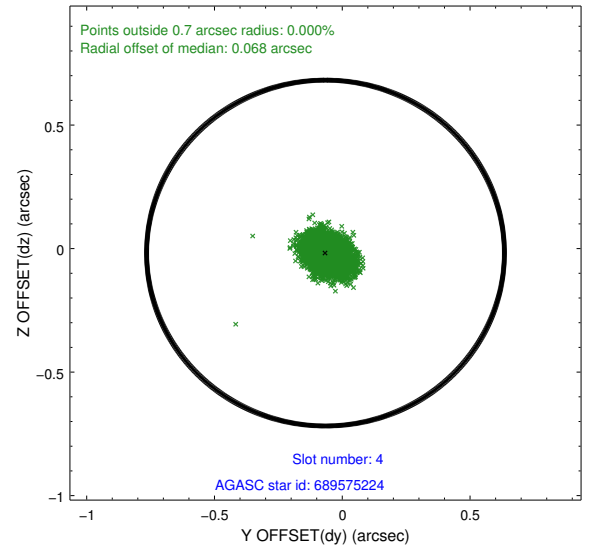
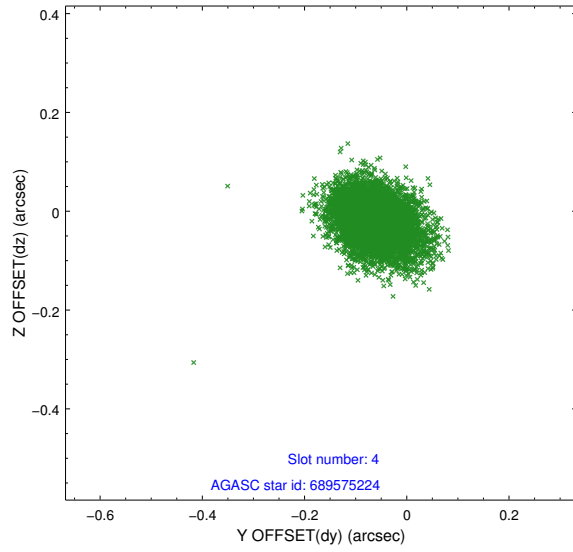
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2636	-0.034	-0.047	0.013	0.020	0.000000	0.000000	-758.65	-1729.25
1	FID	ACIS-S-4	7.21	2636	0.069	0.029	0.021	0.031	0.000000	0.000000	2154.53	178.77
2	FID	ACIS-S-5	7.23	2636	-0.064	0.026	0.014	0.022	0.000000	0.000000	-1810.88	173.04
3	GUIDE	689575184	9.04	5272	-0.013	0.051	0.070	0.114	5.080922	-8.904350	-876.96	1015.14
4	GUIDE	689575224	8.56	5273	-0.066	-0.018	0.064	0.106	5.026935	-9.056489	-1432.04	1185.71
5	GUIDE	689706408	7.69	5273	0.050	0.117	0.054	0.092	5.693066	-9.230851	-1967.43	-1204.44
6	GUIDE	689707464	8.82	5270	-0.066	-0.060	0.068	0.108	5.305527	-8.281157	1395.84	304.43
7	GUIDE	689707672	9.18	5269	0.094	-0.083	0.063	0.101	5.291102	-9.232146	-2026.32	222.16

2.4 Star Slots

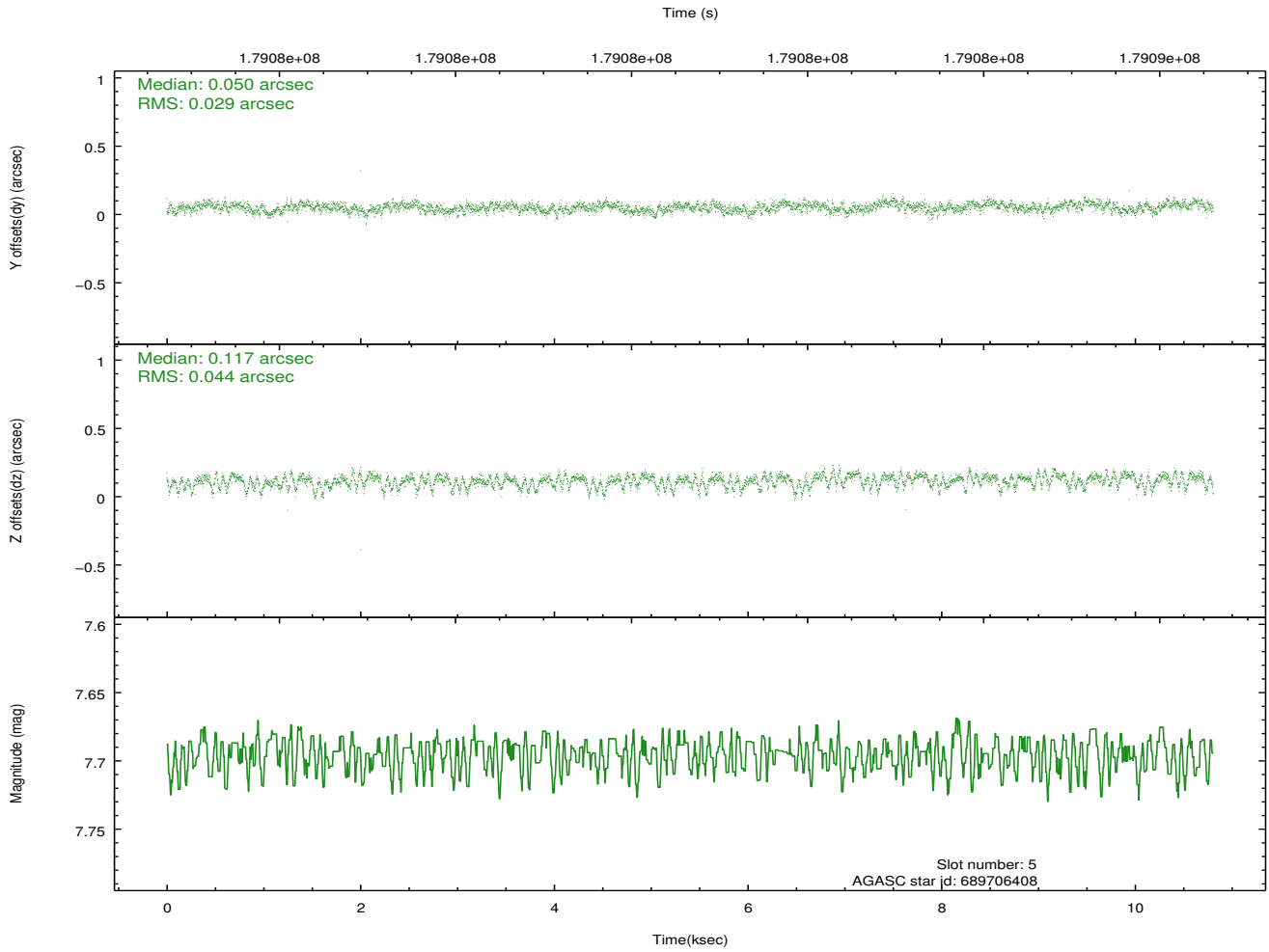
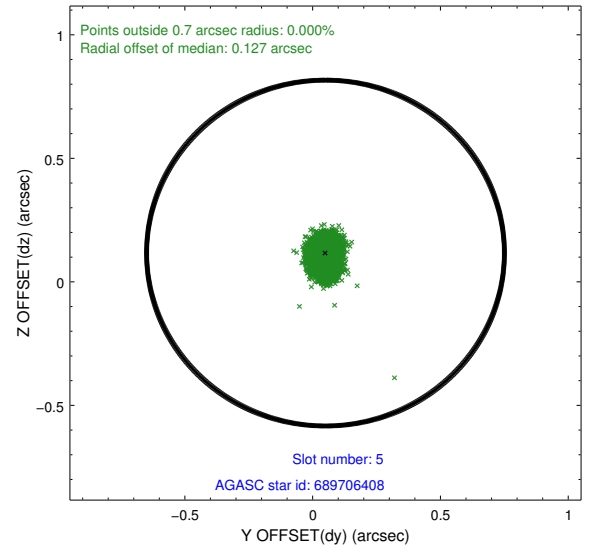
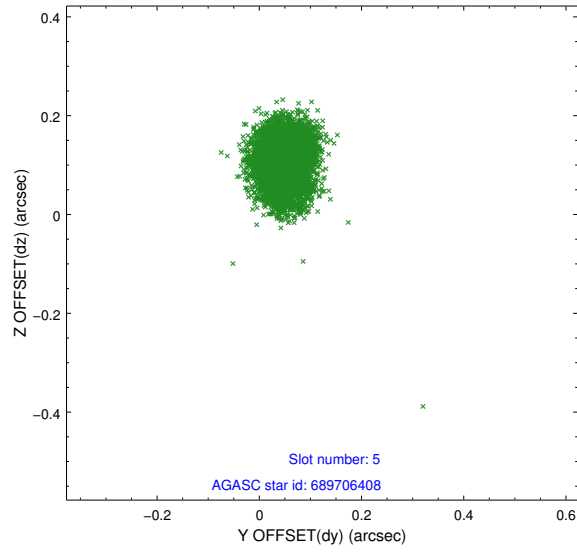
2.4.1 Slot 3



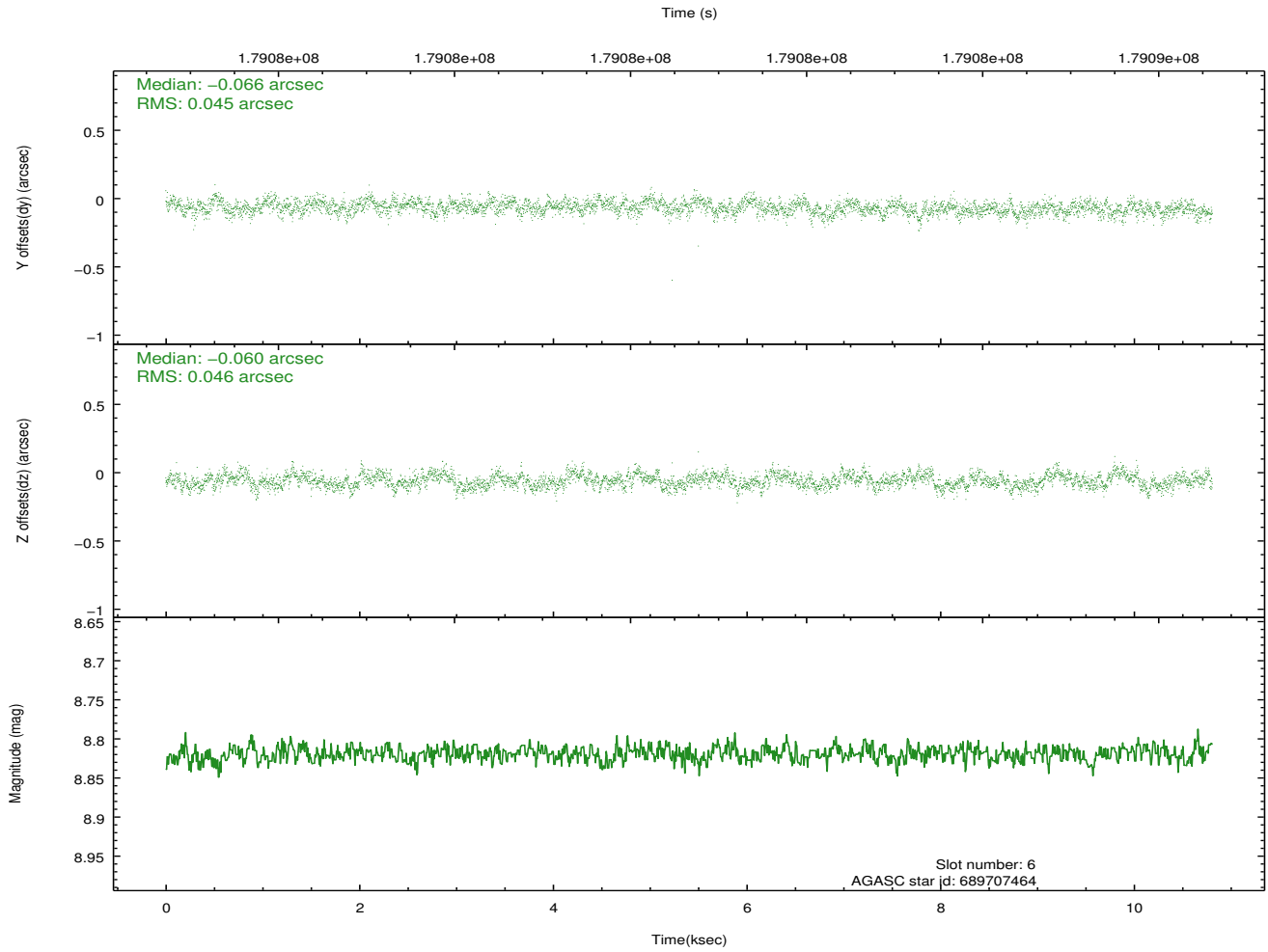
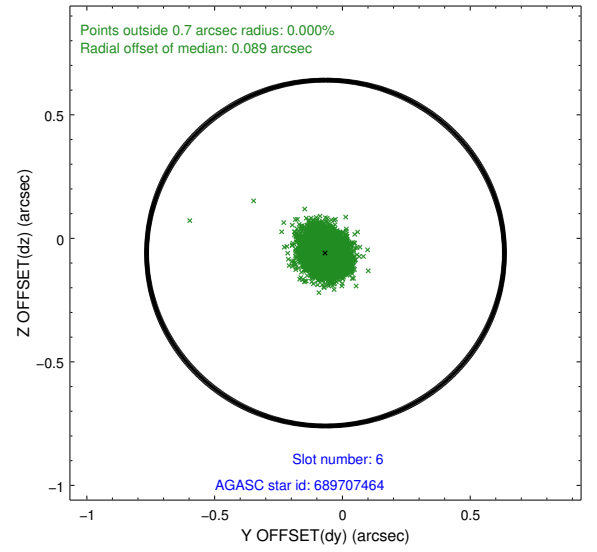
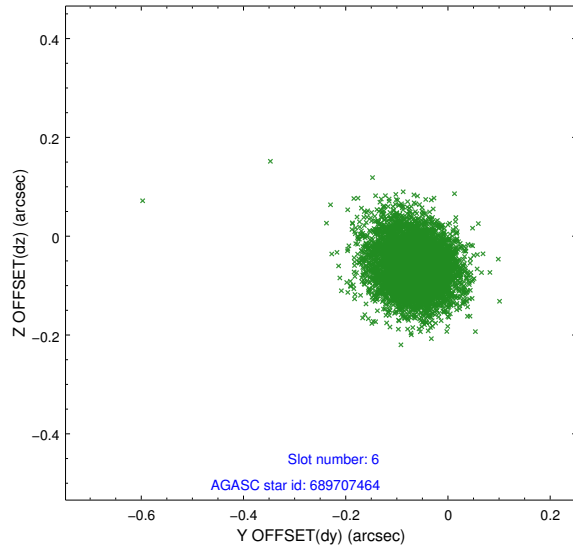
2.4.2 Slot 4



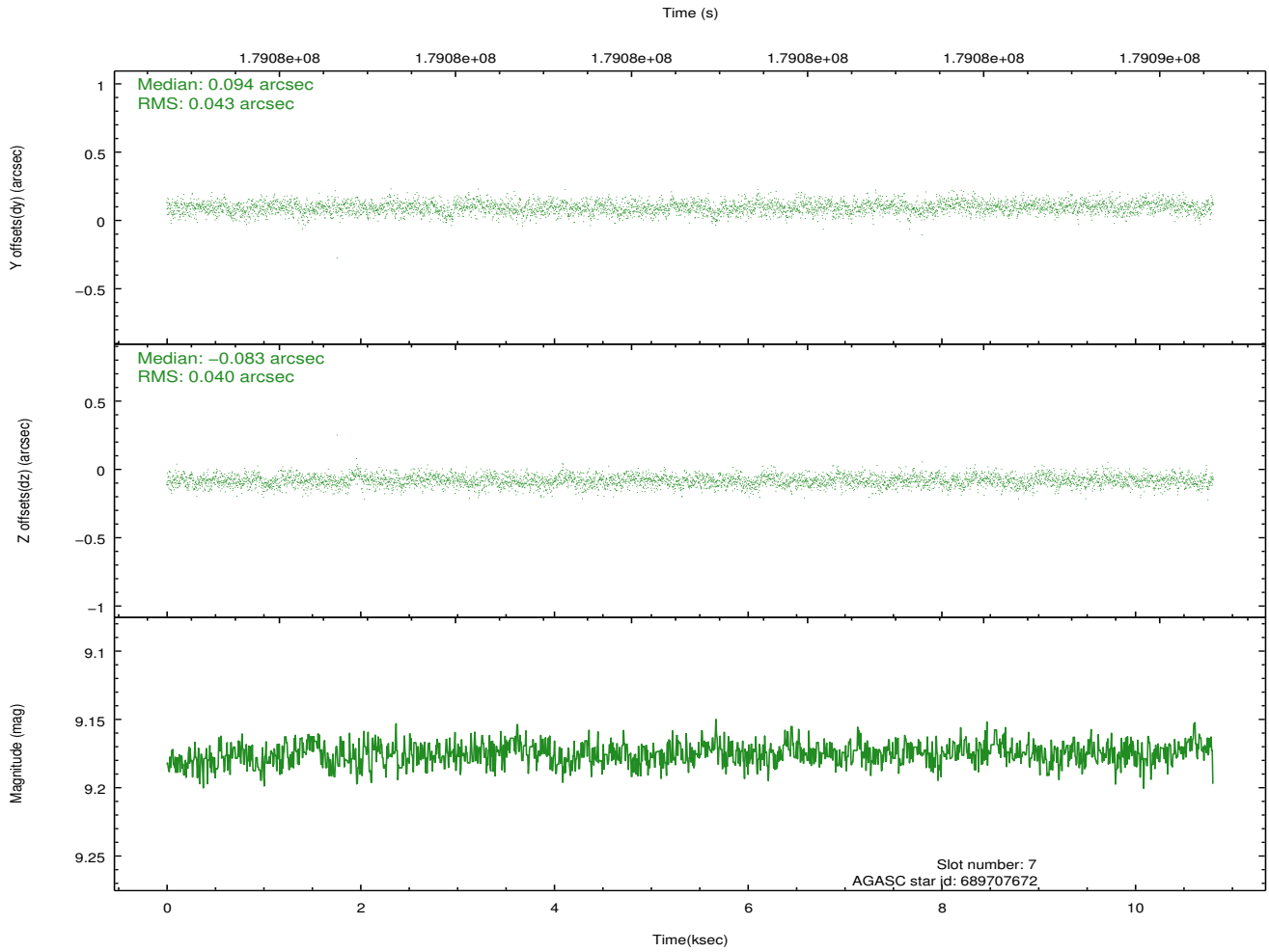
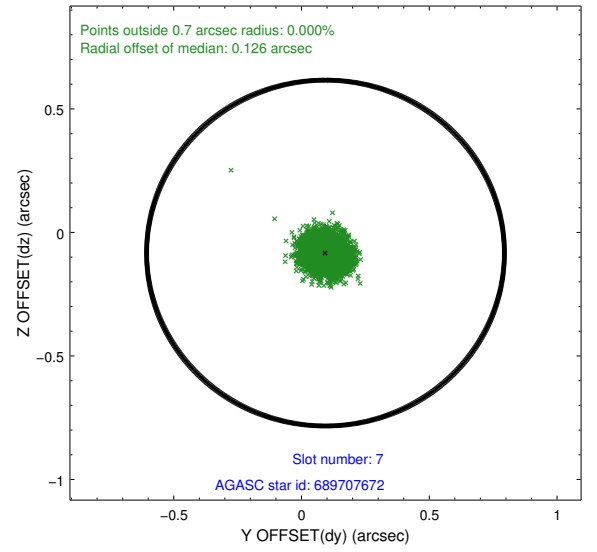
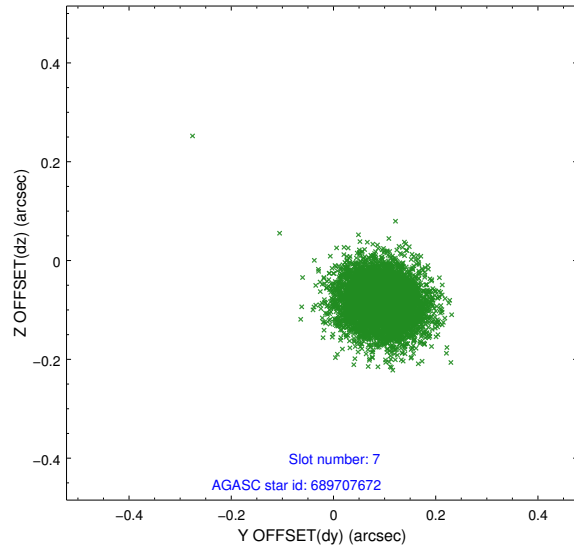
2.4.3 Slot 5



2.4.4 Slot 6

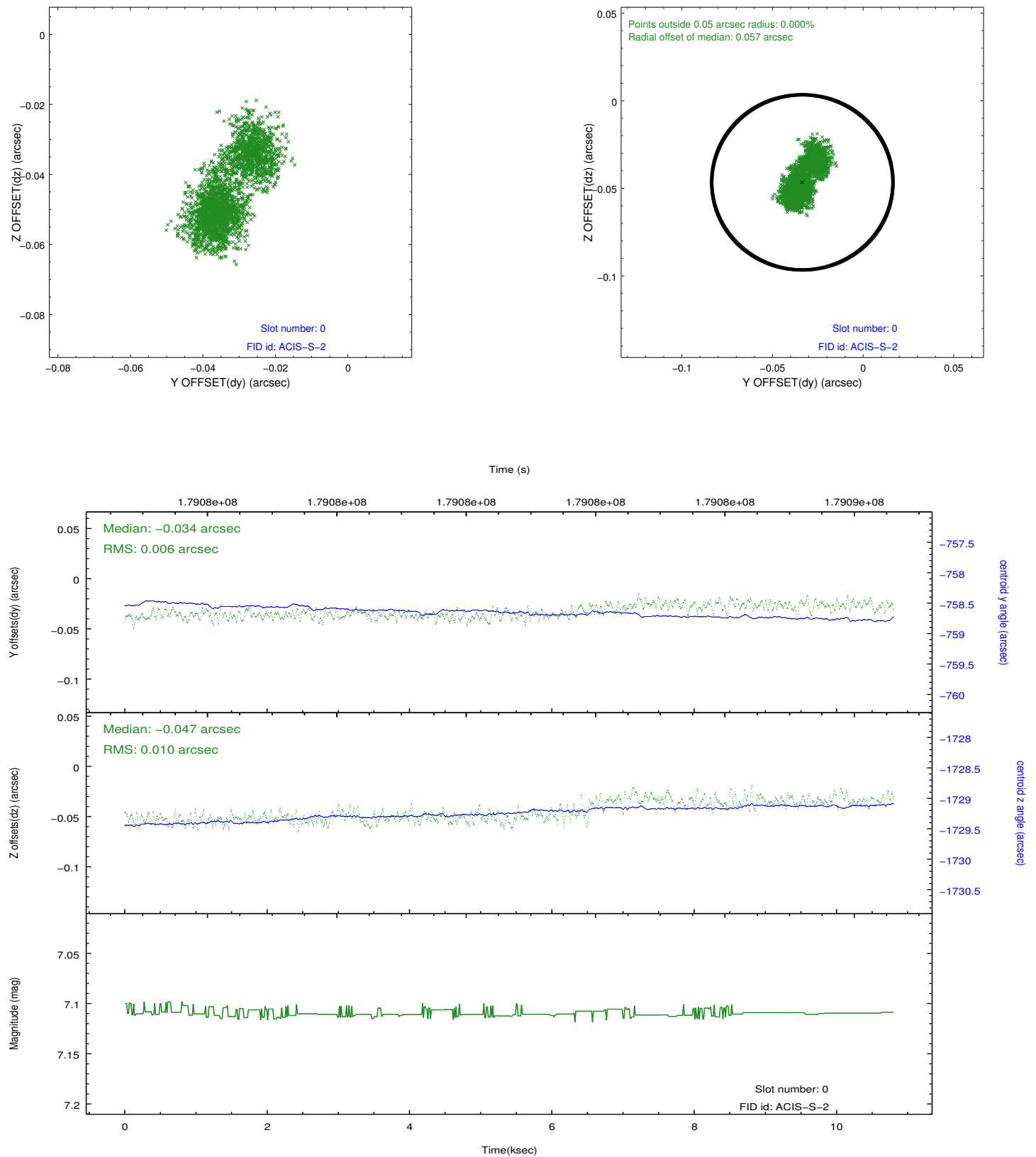


2.4.5 Slot 7

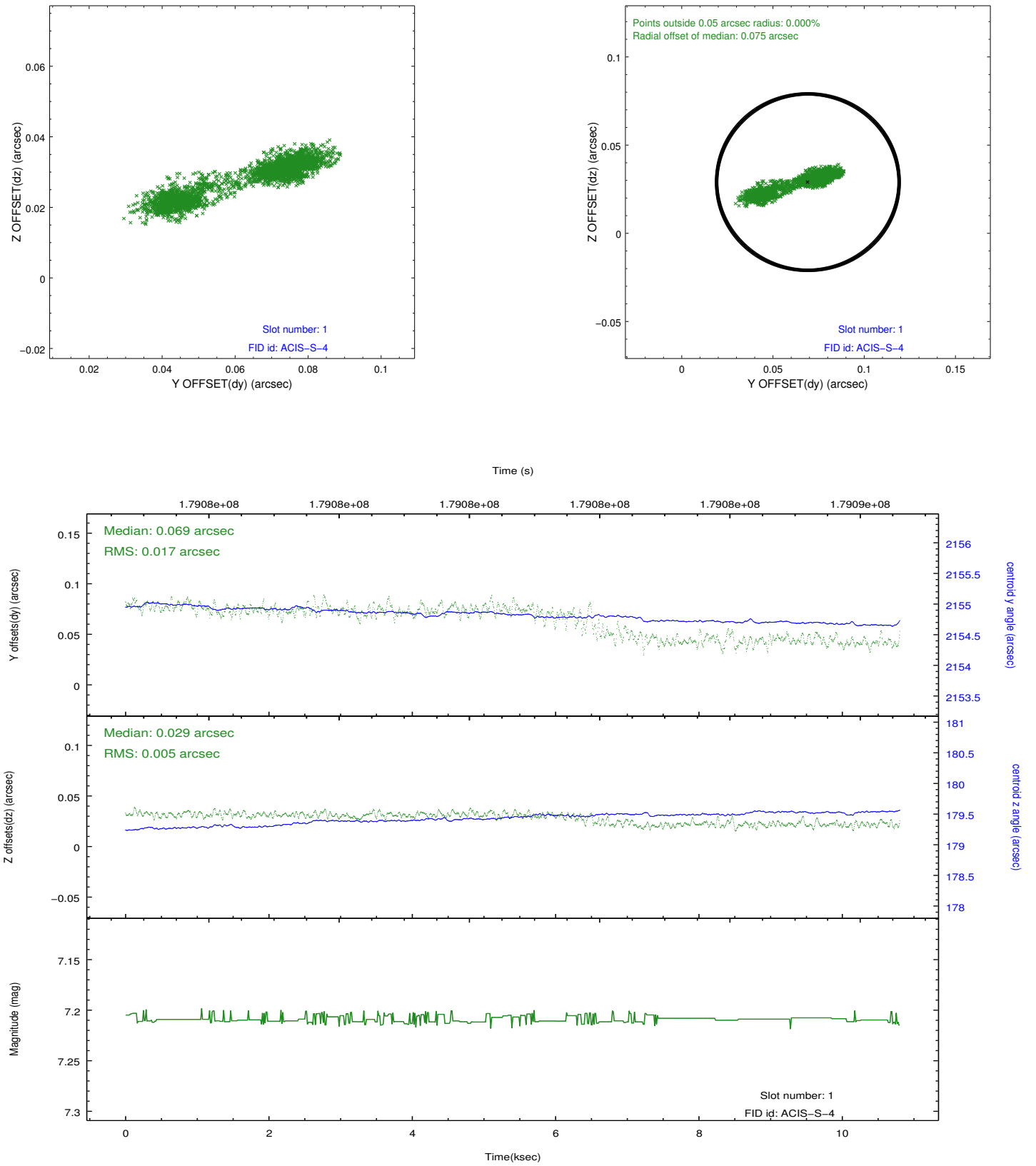


2.5 FID Slots

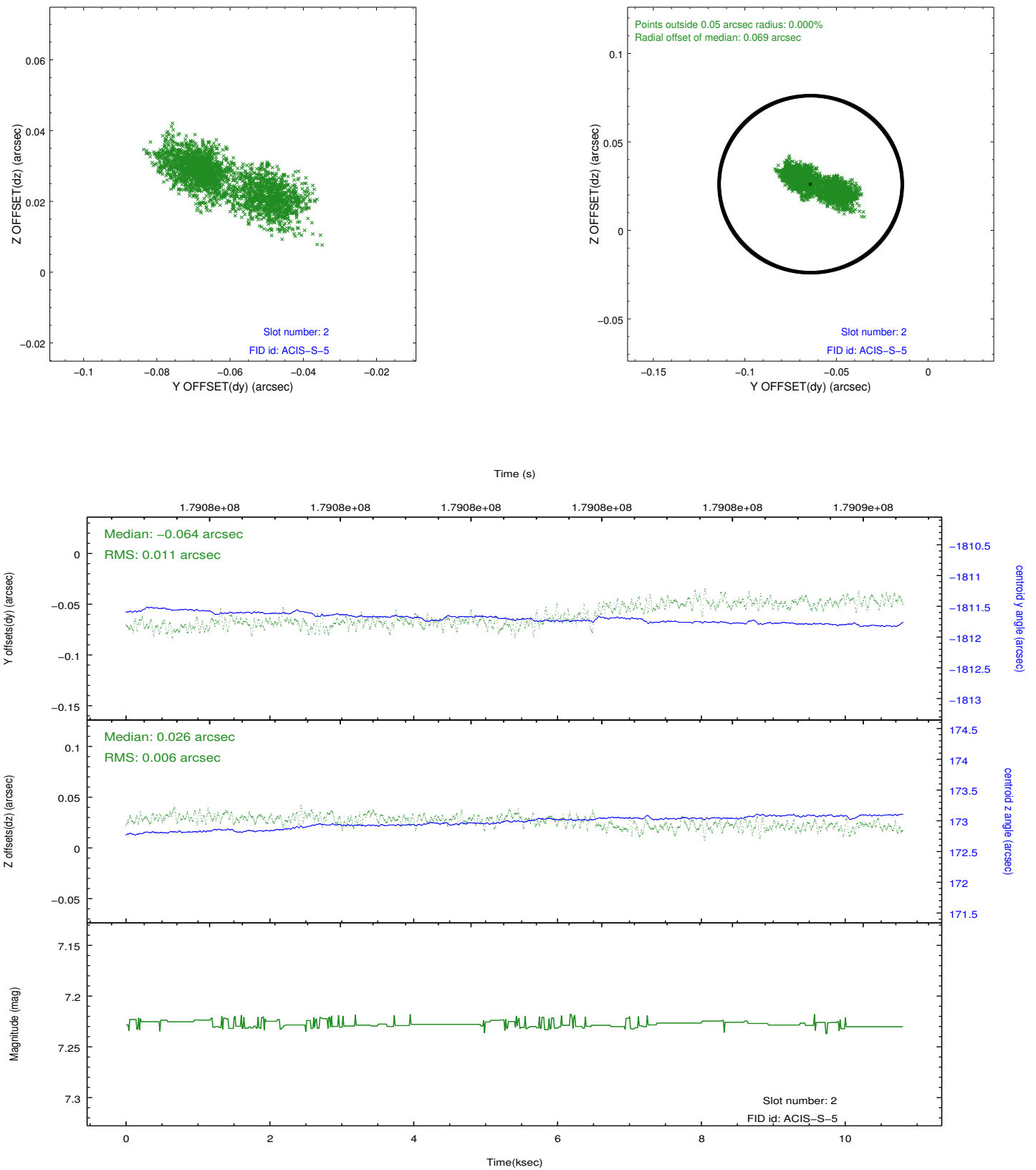
2.5.1 Slot 0



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)	2012.11.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.109

A.2 Comments