

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13875 - L2 Version 1
Chandra X-Ray Center

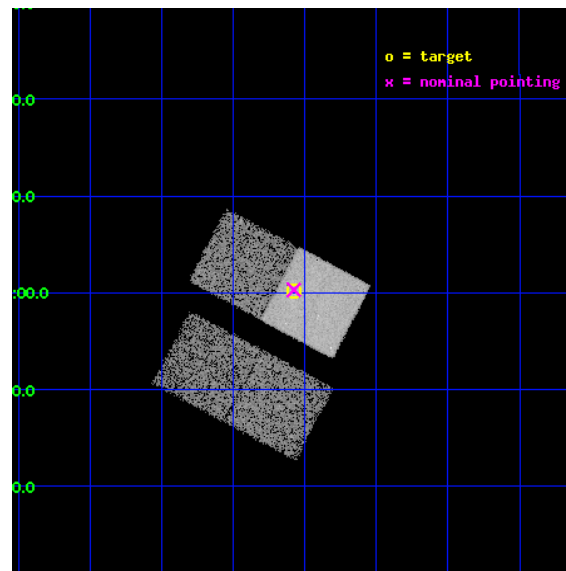
L2 Processing Date : Jan 5 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

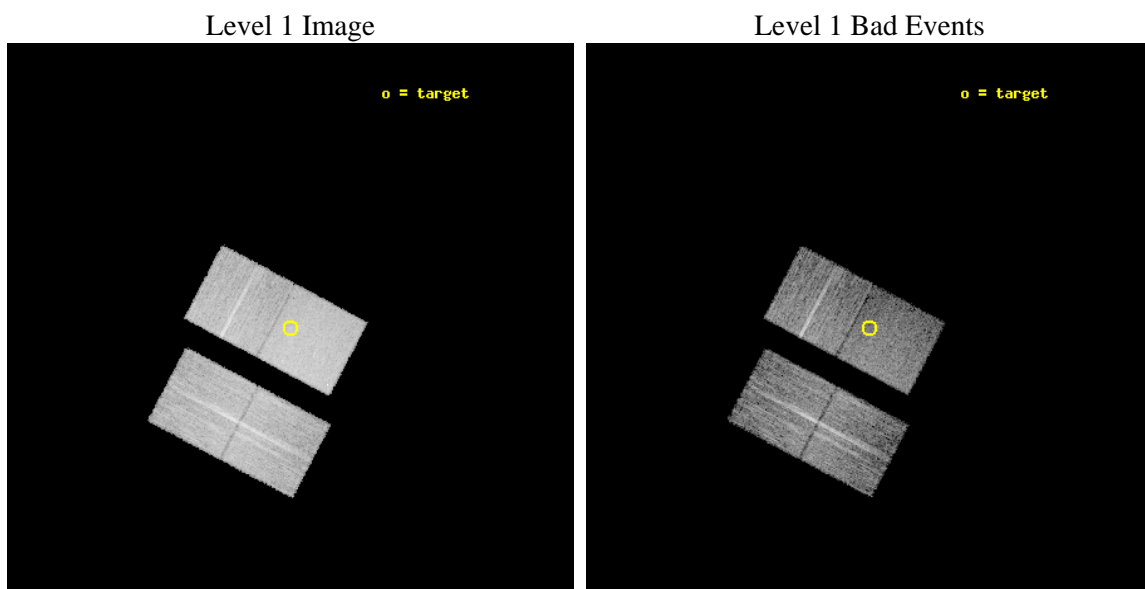
seq_num	702600	Sequence number
obs_id	13875	Observation id
title	Extending the Chandra 3C Snapshot Survey: Radio Galaxies with 0.3	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3c187	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	116.26875	Observer's specified target RA [deg]
dec_targ	2.002222	Observer's specified target Dec [deg]
ra_nom	116.26899780356	Nominal RA [deg]
dec_nom	2.0052471958193	Nominal Dec [deg]
roll_nom	27.885989970636	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12055.900092721	Sum of GTIs [s]
livetime	11898.380882585	Livetime [s]
ontime2	12055.900092721	Sum of GTIs [s]
ontime3	12052.759082437	Sum of GTIs [s]
ontime6	12052.759112418	Sum of GTIs [s]
ontime7	12055.900092721	Sum of GTIs [s]
l2events	62633	Number of level 2 events



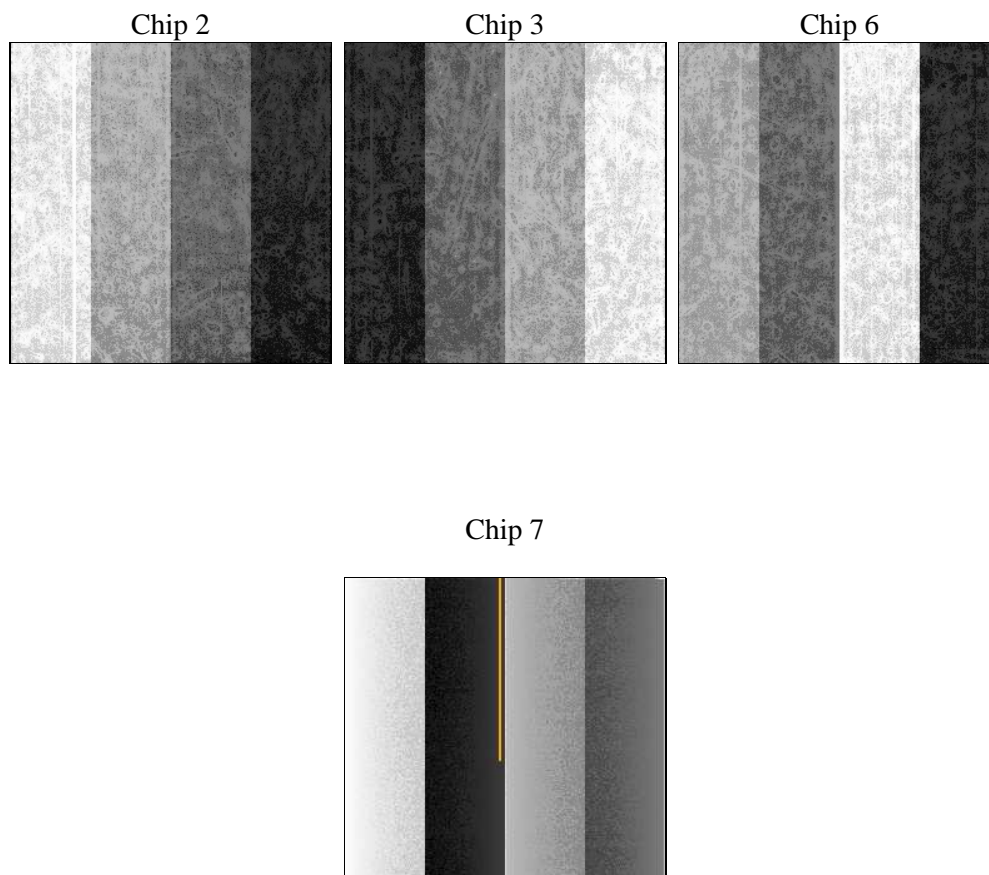
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	12055.900092721	Sum of GTIs [s]
caldsver	4.4.7	 	ontime2	12055.900092721	Sum of GTIs [s]
date	2012-01-05T07:27:26	Date and time of file creation	ontime3	12052.759082437	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12052.759112418	Sum of GTIs [s]
			ontime7	12055.900092721	Sum of GTIs [s]
			l1events	309186	Number of level 1 events

2.1.4 Events

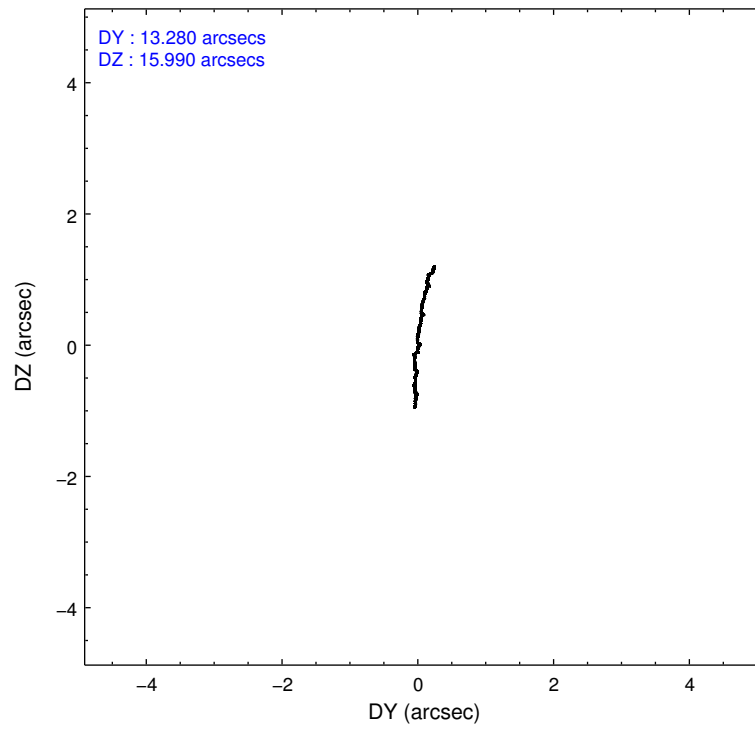
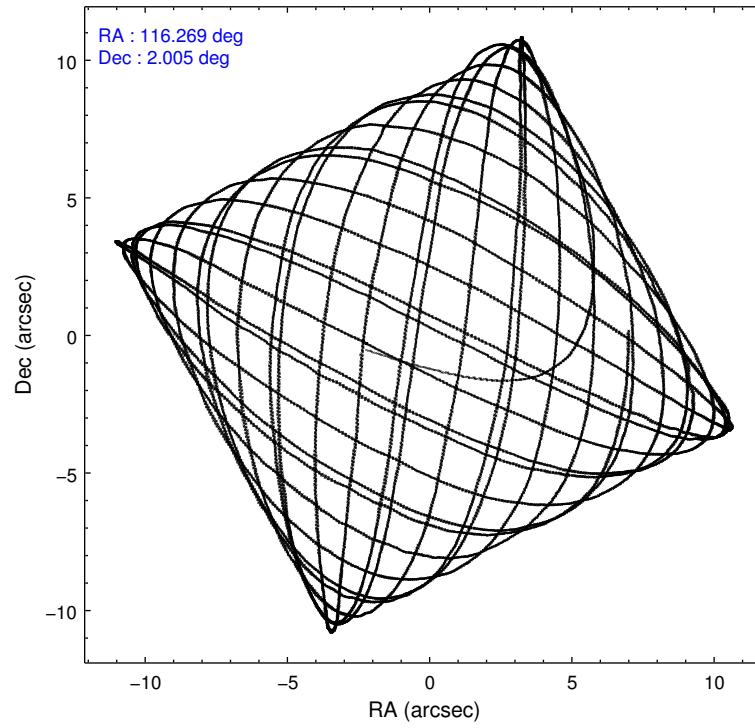
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	72077	69735	72519	94855
rejected events	64170	61822	63914	52325
rejected %	89%	88%	88%	55%

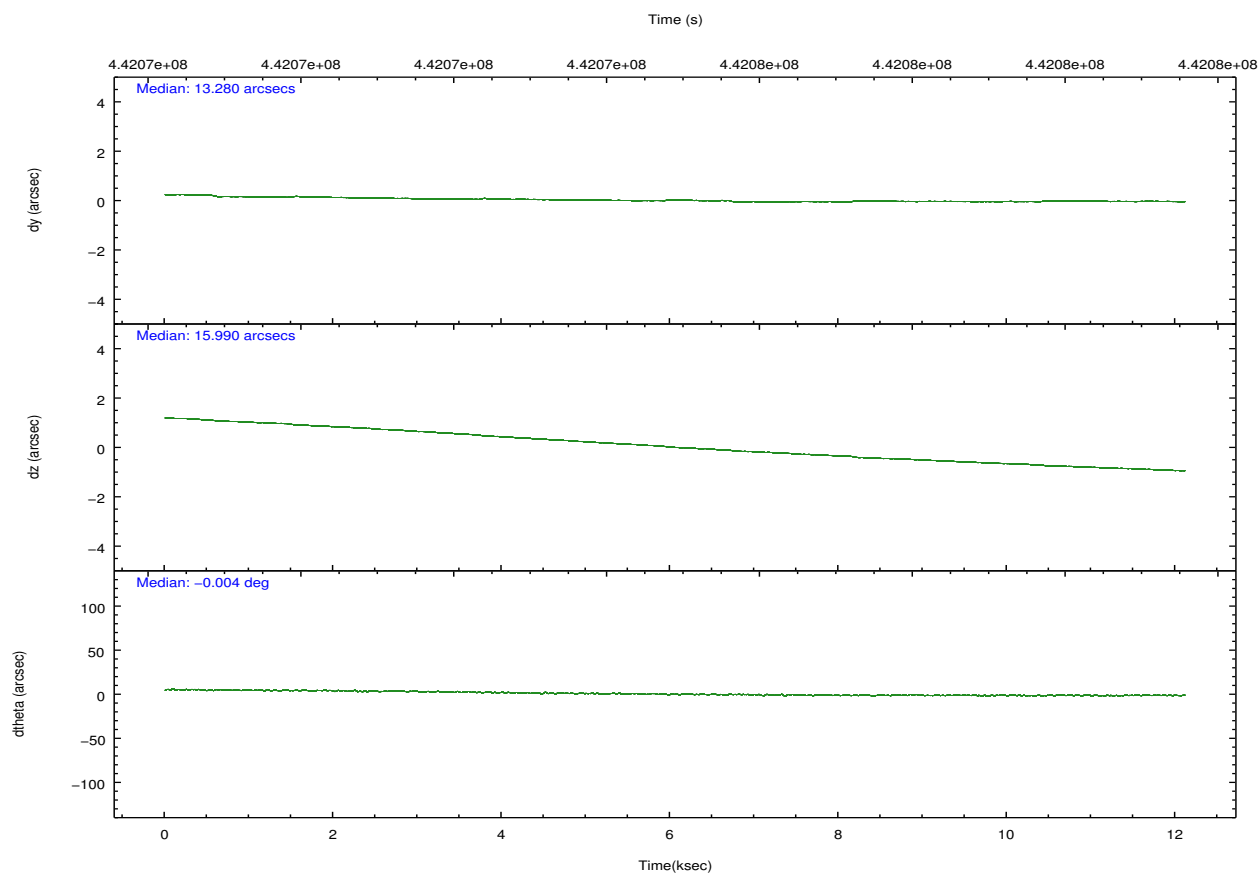
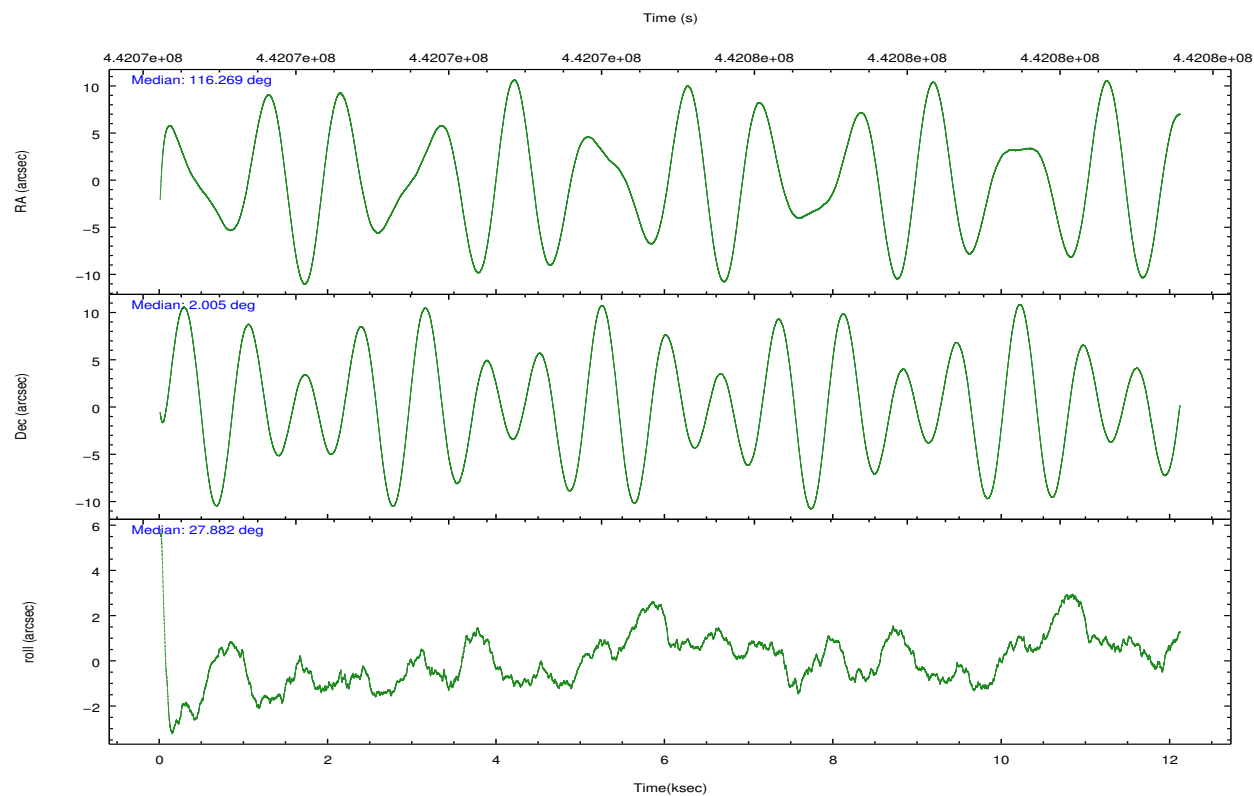
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2732	2707	2988	3967
	3%	3%	4%	4%
grade 1 events	35	39	27	103
	0%	0%	0%	0%
grade 2 events	1958	1887	1922	8671
	2%	2%	2%	9%
grade 3 events	795	878	869	3748
	1%	1%	1%	3%
grade 4 events	836	867	889	3715
	1%	1%	1%	3%
grade 5 events	3108	3578	3704	9848
	4%	5%	5%	10%
grade 6 events	1589	1584	1940	22440
	2%	2%	2%	23%
grade 7 events	61024	58195	60180	42363
	84%	83%	82%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	116.254767	116.2689978035627	CCD I2 on	O1	Y
[deg] Pointing Dec	1.981882	2.005247195819293	CCD I3 on	O2	Y
[deg] Pointing Roll	27.729846	27.88598997063605	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	N	N
[s] Observation start time (MET)	442068955.184000	442067650.9369	CCD S5 on	N	N
Observation start date	2012-01-04T12:54:49	2012-01-04T12:34:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	442080955.184000	442082098.82517	On-chip summing requested	N	N
Observation end date	2012-01-04T16:14:49	2012-01-04T16:34:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



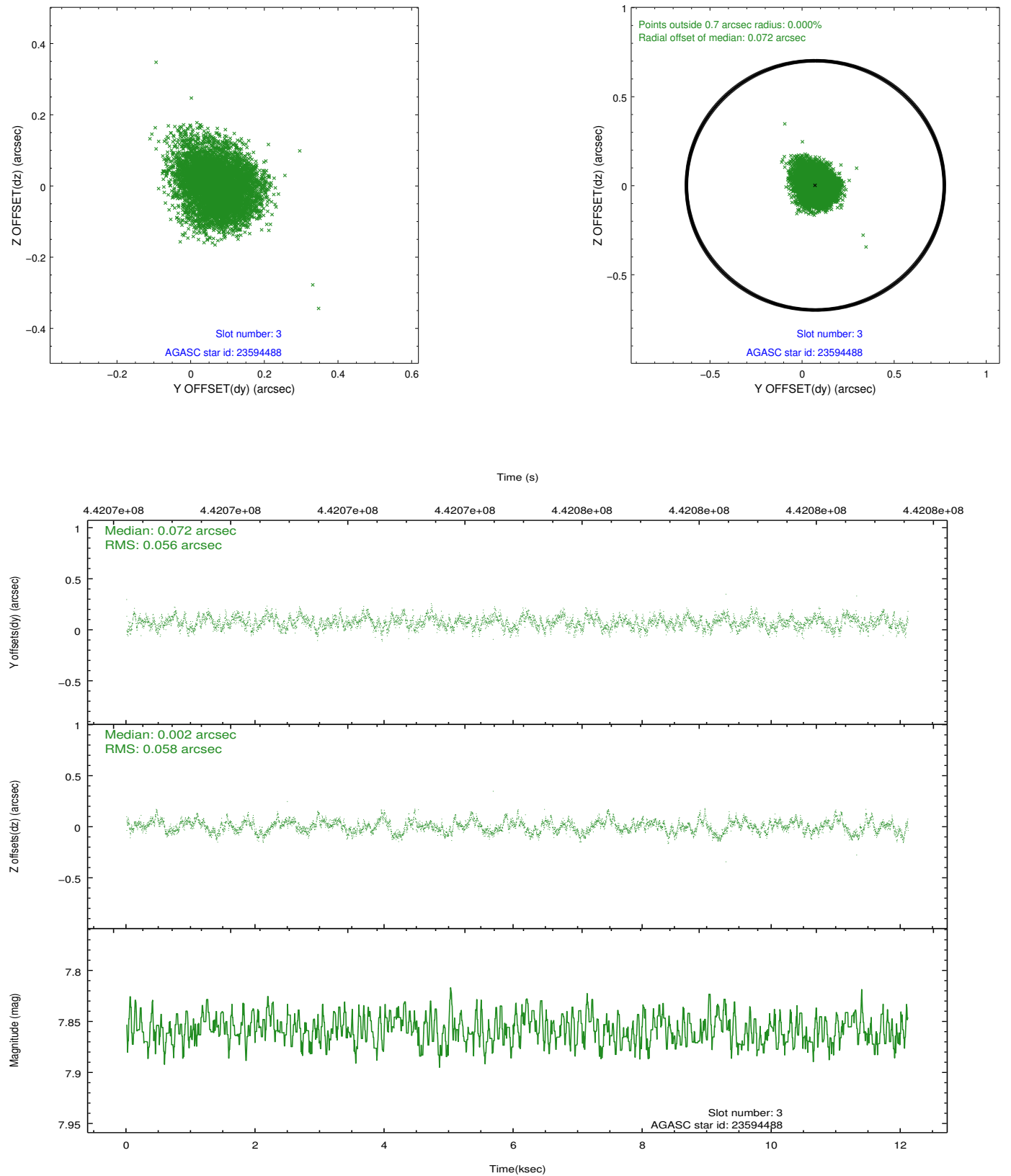


Slot Statistics

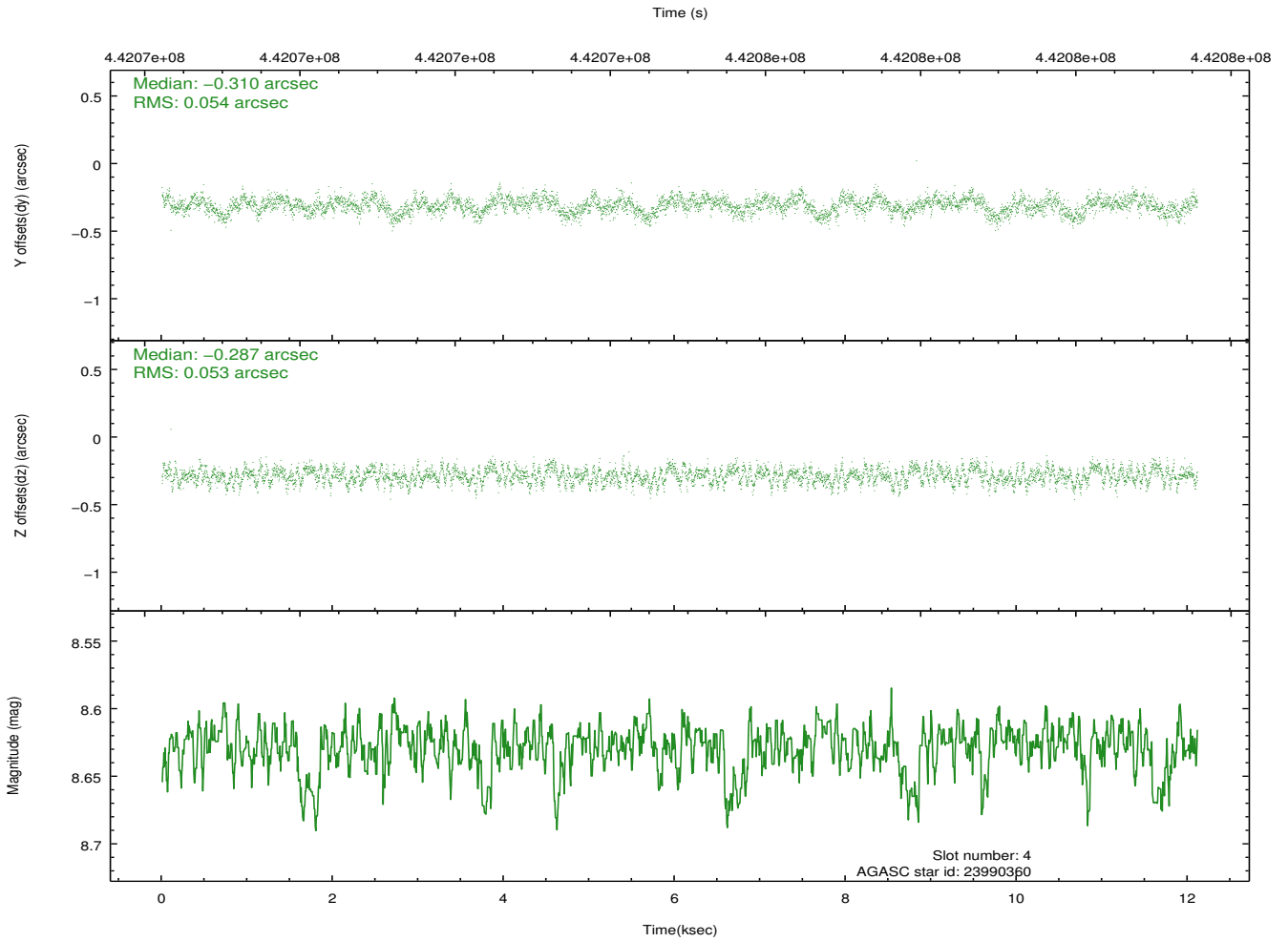
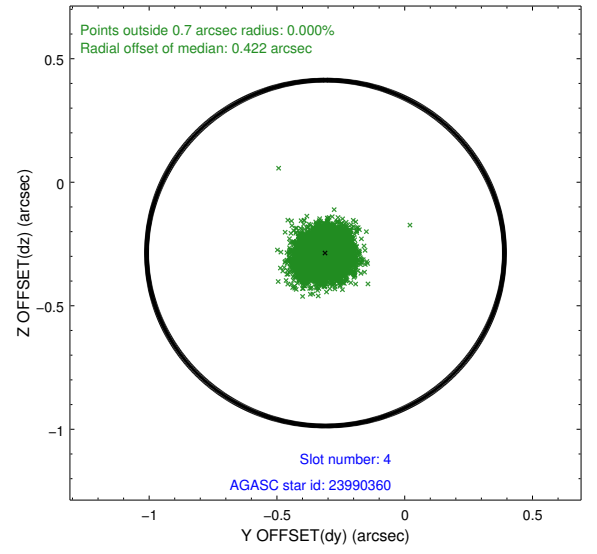
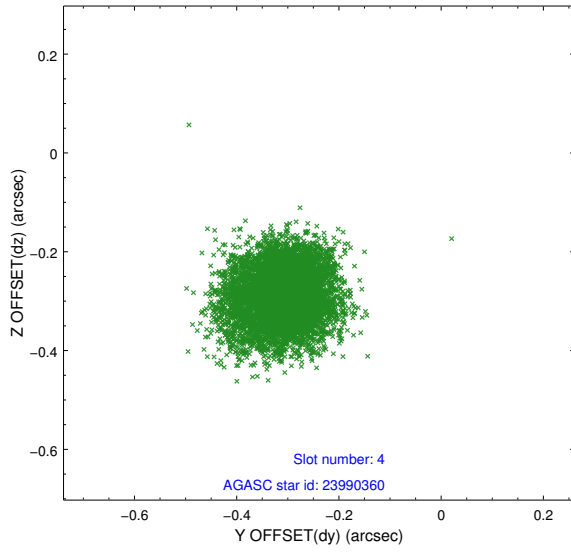
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	2954	-0.057	-0.011	0.013	0.026	0.000000	0.000000	-766.29	-1737.42
1	FID	ACIS-S-4	6.98	2953	0.214	0.030	0.006	0.010	0.000000	0.000000	2147.07	170.67
2	FID	ACIS-S-5	7.01	2954	-0.189	-0.011	0.014	0.029	0.000000	0.000000	-1818.74	164.78
3	GUIDE	23594488	7.86	5909	0.072	0.002	0.086	0.136	116.655020	1.857730	1067.29	-1065.48
4	GUIDE	23990360	8.63	5903	-0.310	-0.287	0.081	0.128	116.245445	2.623029	1044.35	2058.30
5	GUIDE	23997248	8.57	5906	0.036	-0.036	0.077	0.124	115.991103	2.225013	-431.85	1216.47
6	GUIDE	24120752	9.24	5863	0.093	0.073	0.097	0.160	116.739349	2.019032	1605.91	-692.37
7	GUIDE	23476056	7.71	5908	0.112	0.249	0.088	0.150	115.709333	1.609475	-2360.21	-273.02

2.4 Star Slots

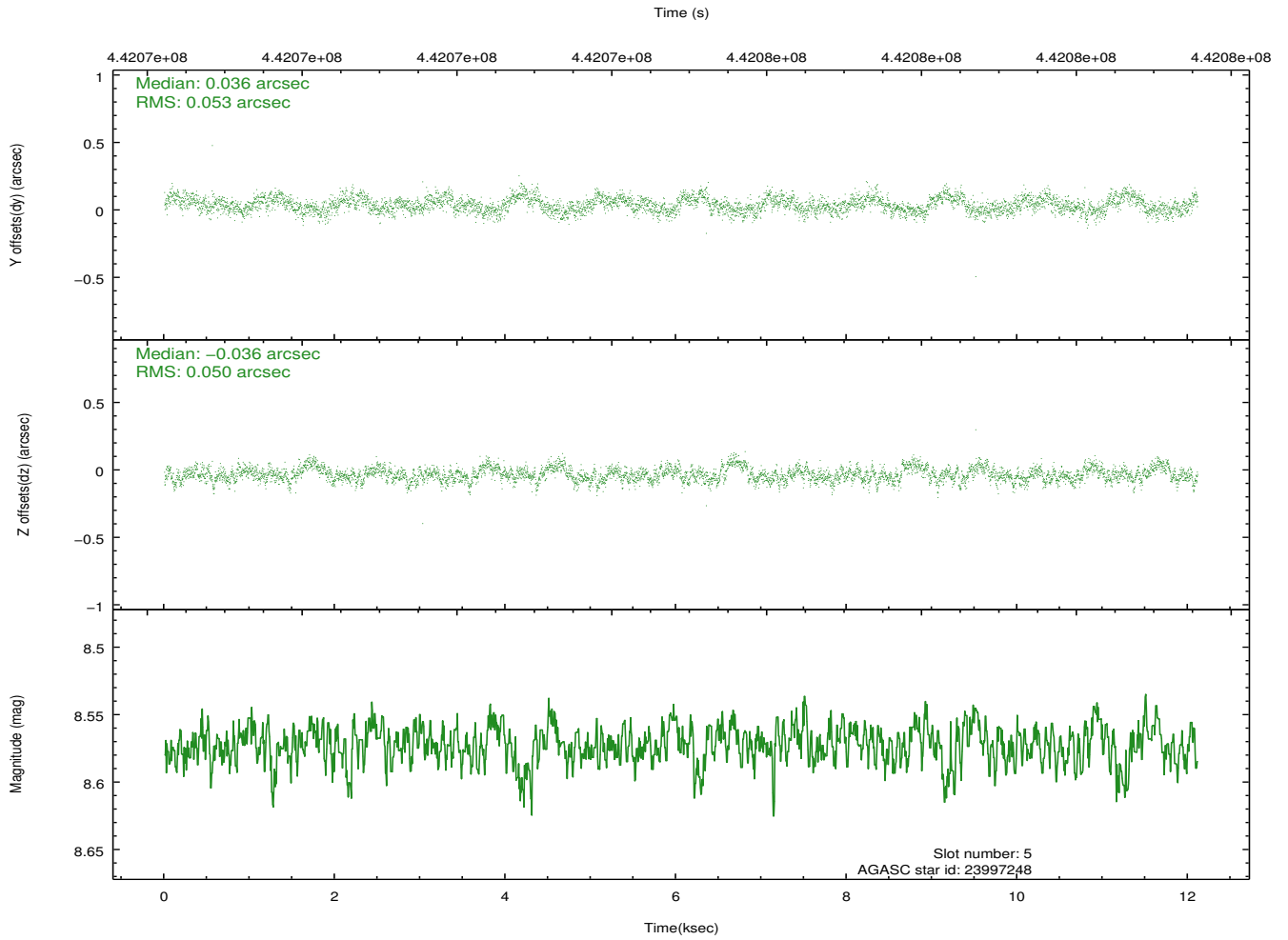
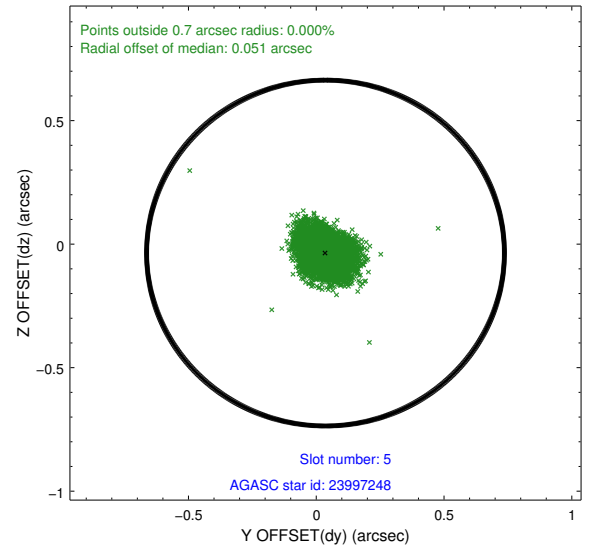
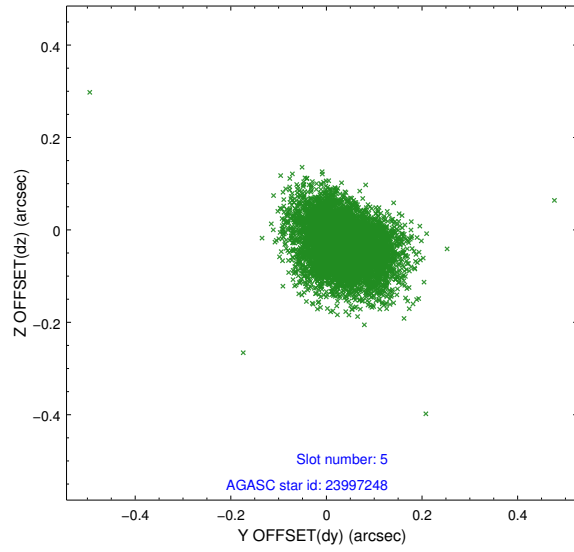
2.4.1 Slot 3



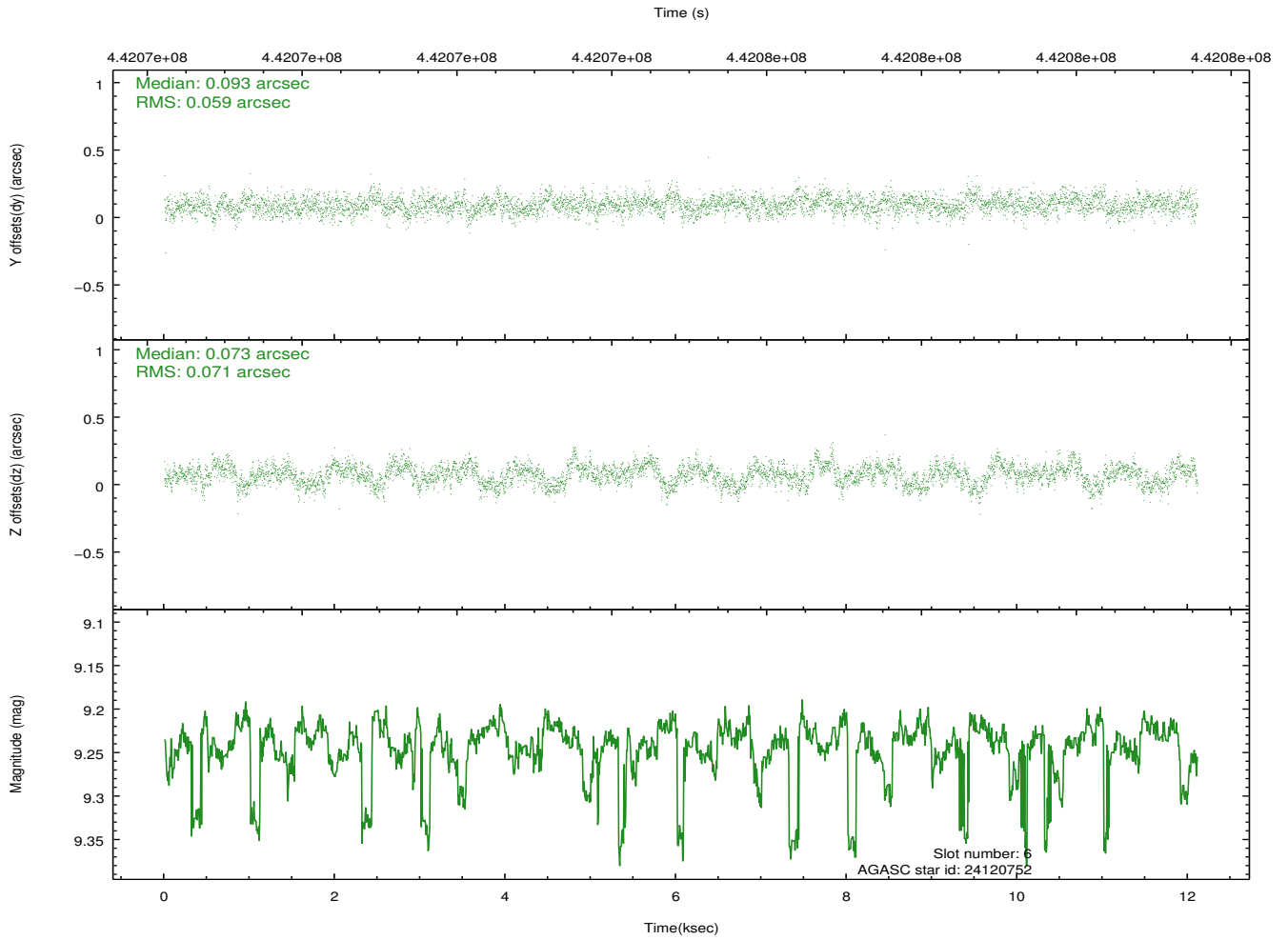
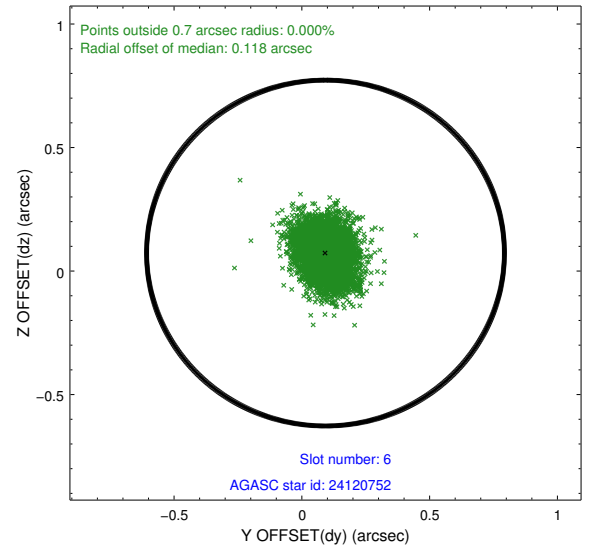
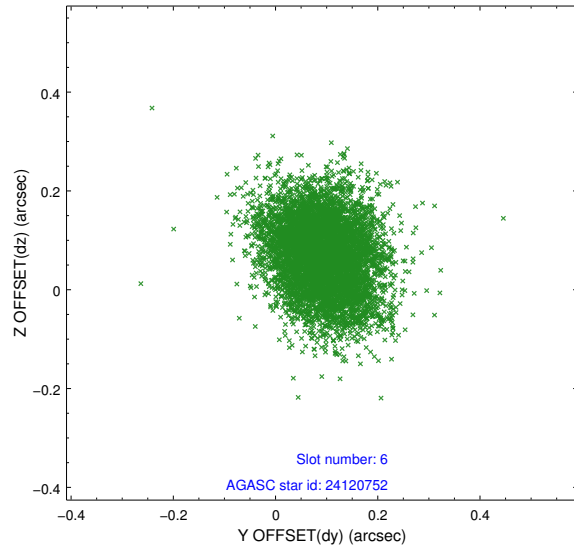
2.4.2 Slot 4



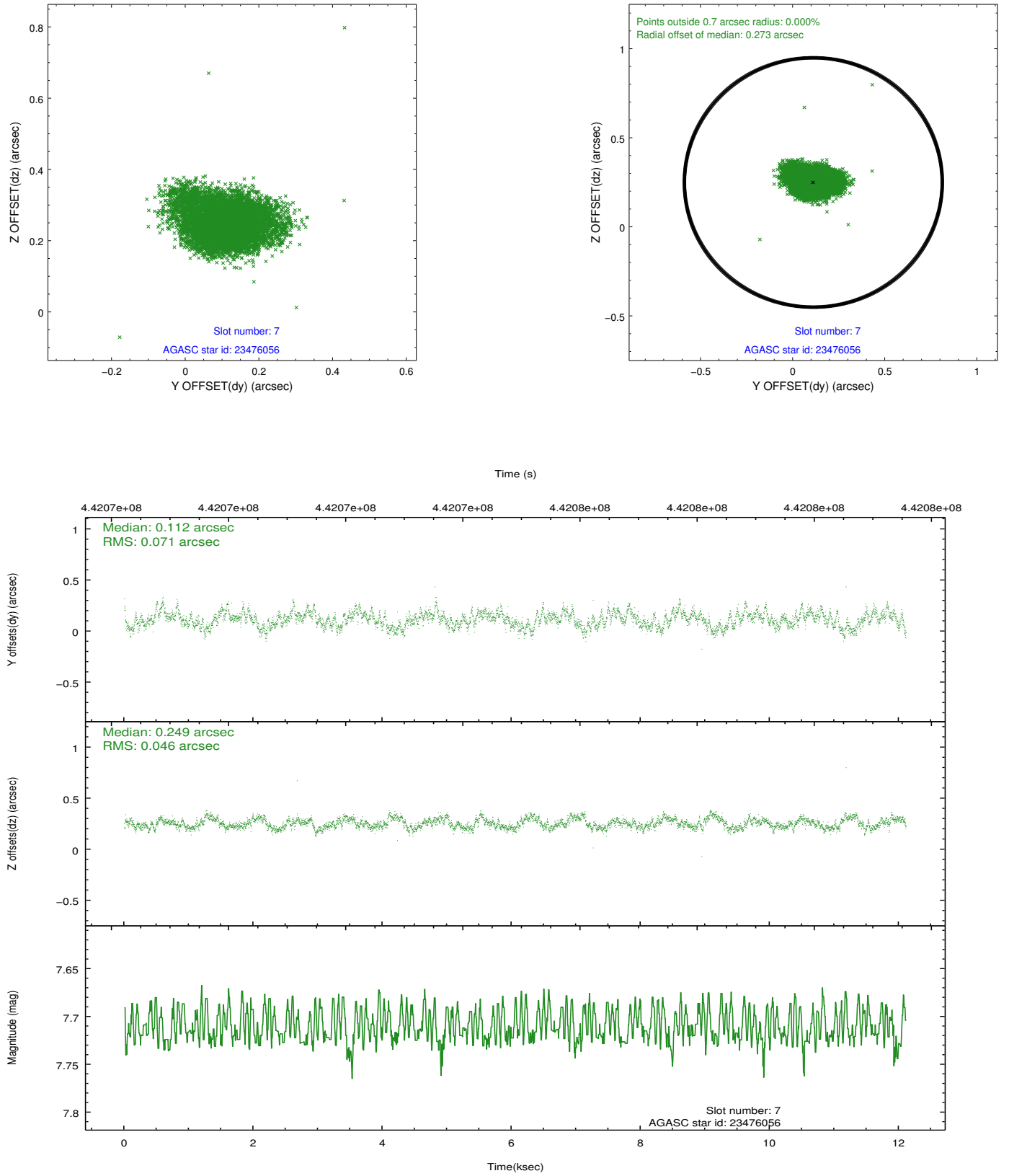
2.4.3 Slot 5



2.4.4 Slot 6

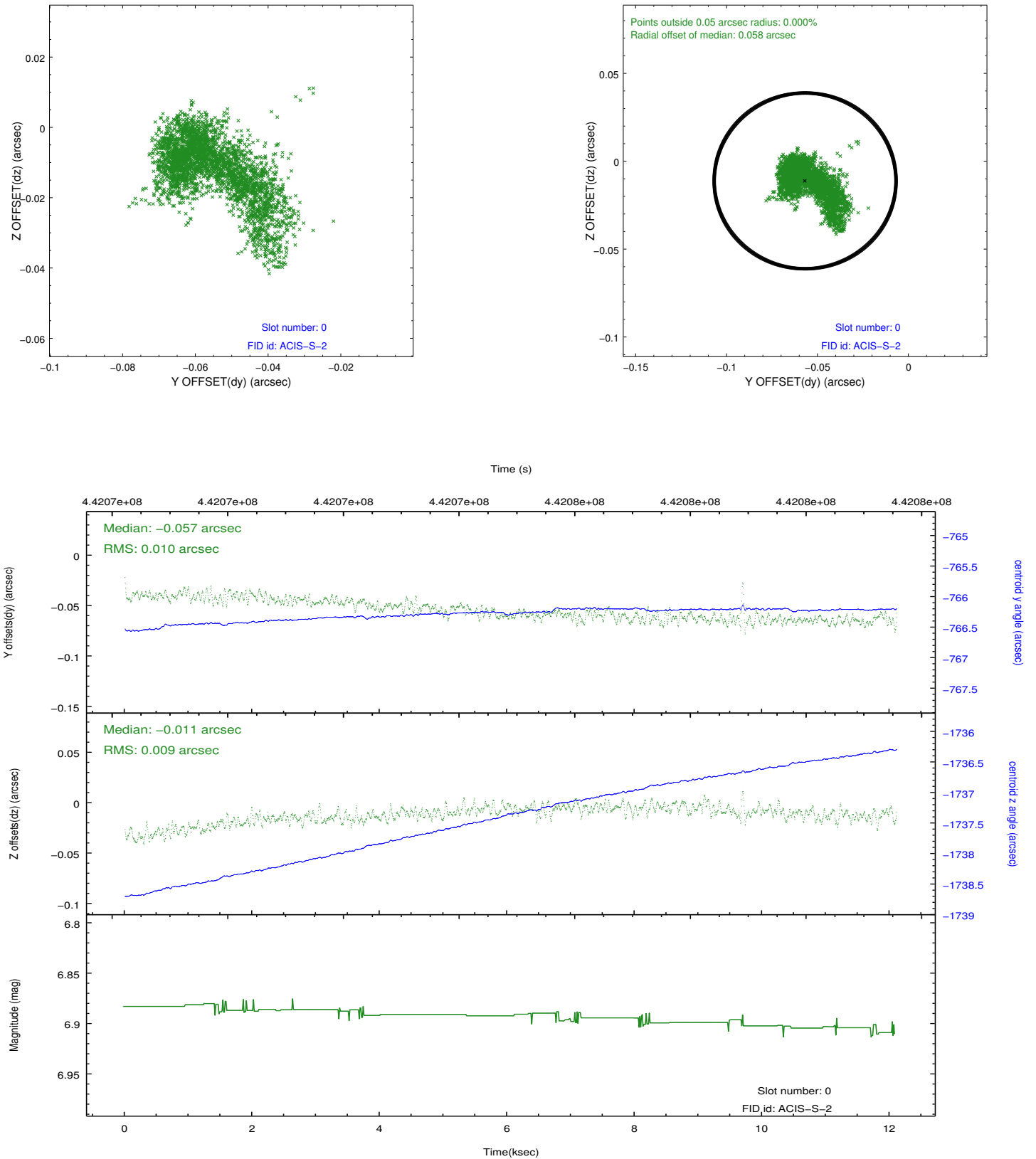


2.4.5 Slot 7

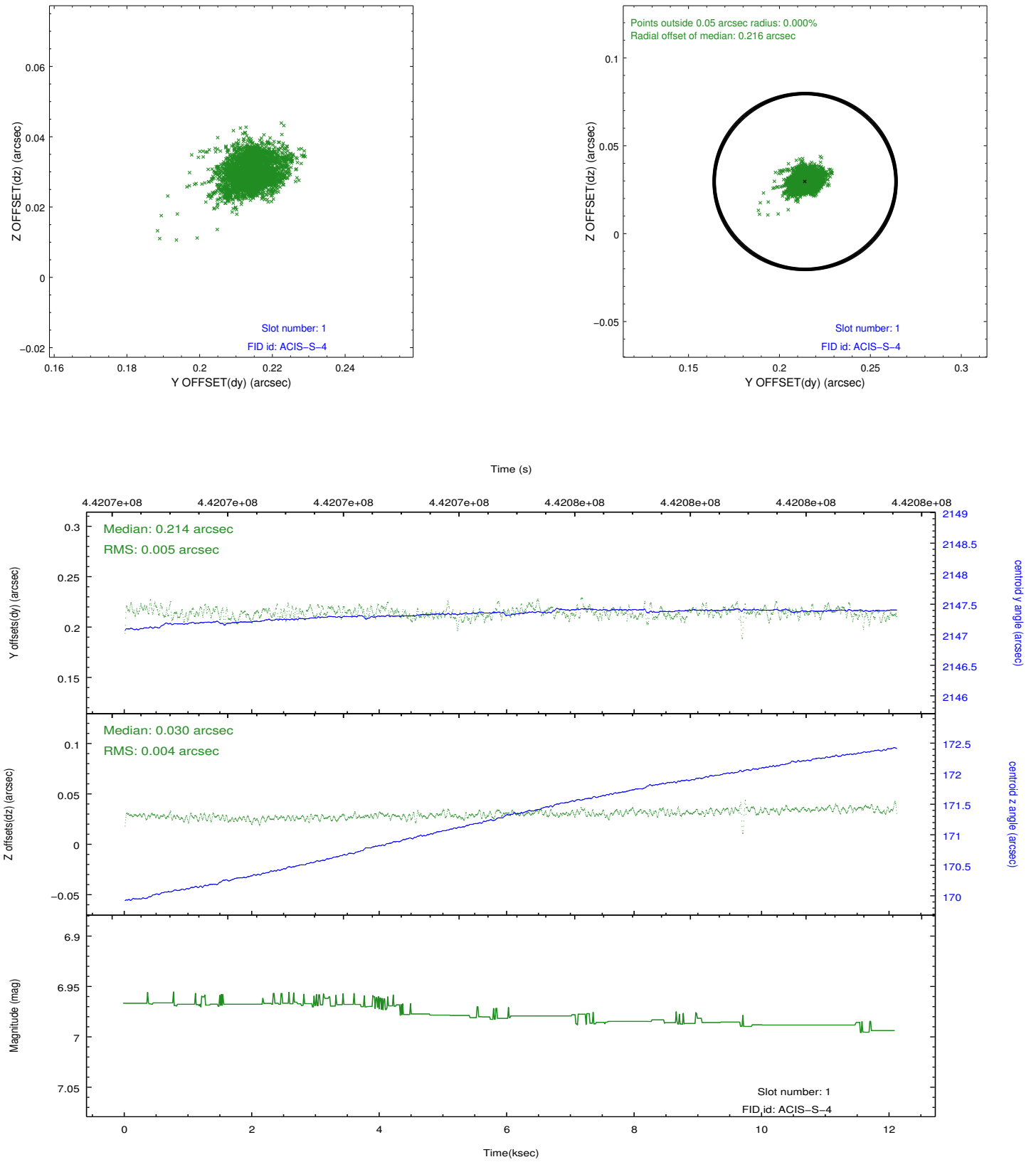


2.5 FID Slots

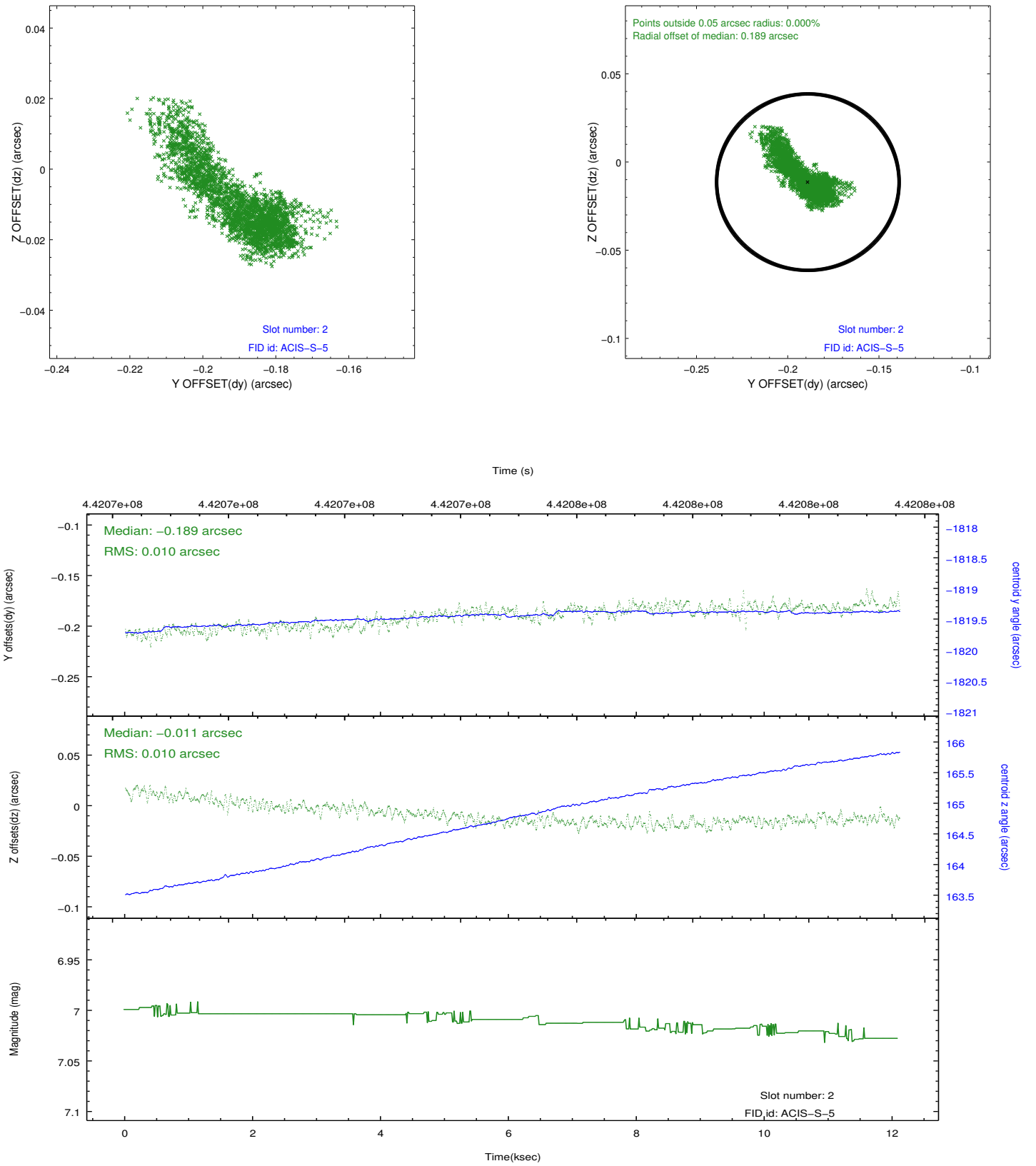
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.055900092721

A.2 Comments