

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9247 - L2 Version 2
Chandra X-Ray Center

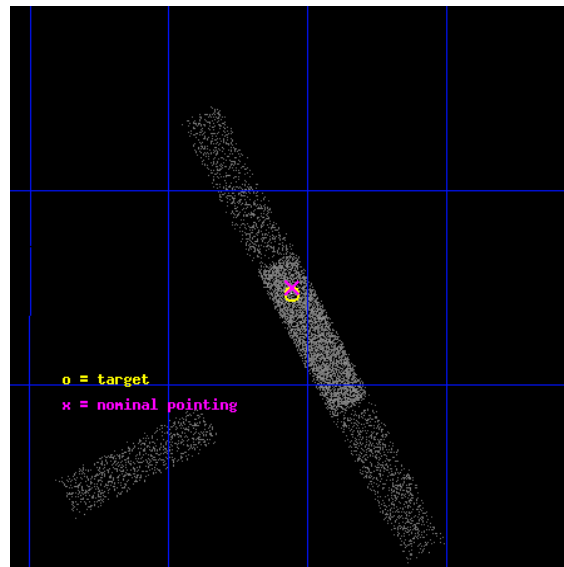
L2 Processing Date : May 6 2012

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1 Front

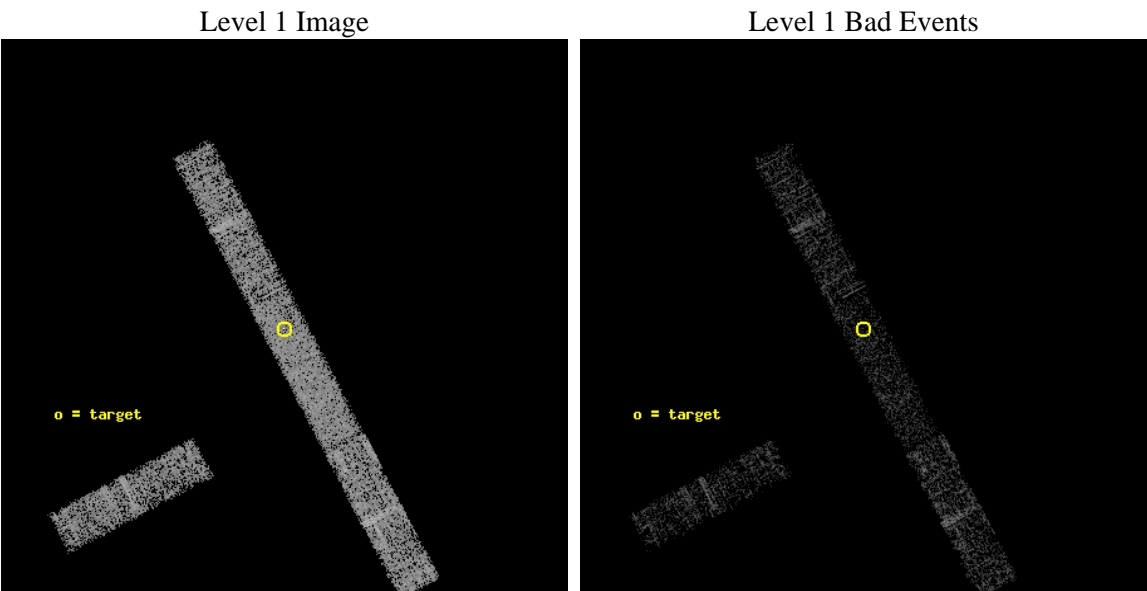
seq_num	701688	Sequence number
obs_id	9247	Observation id
title	Orientation effects in the X-ray and multi-wavelength properties of high-z, 3CRR quasars.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	3CRR 190	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	120.389583	Observer's specified target RA [deg]
dec_targ	14.245083	Observer's specified target Dec [deg]
ra_nom	120.38932332905	Nominal RA [deg]
dec_nom	14.249890580325	Nominal Dec [deg]
roll_nom	62.305087974772	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3184.0	Sum of GTIs [s]
livetime	3058.4799815569	Livetime [s]
ontime3	3184.0	Sum of GTIs [s]
ontime6	3184.0	Sum of GTIs [s]
ontime7	3184.0	Sum of GTIs [s]
ontime8	3184.0	Sum of GTIs [s]
l2events	7933	Number of level 2 events



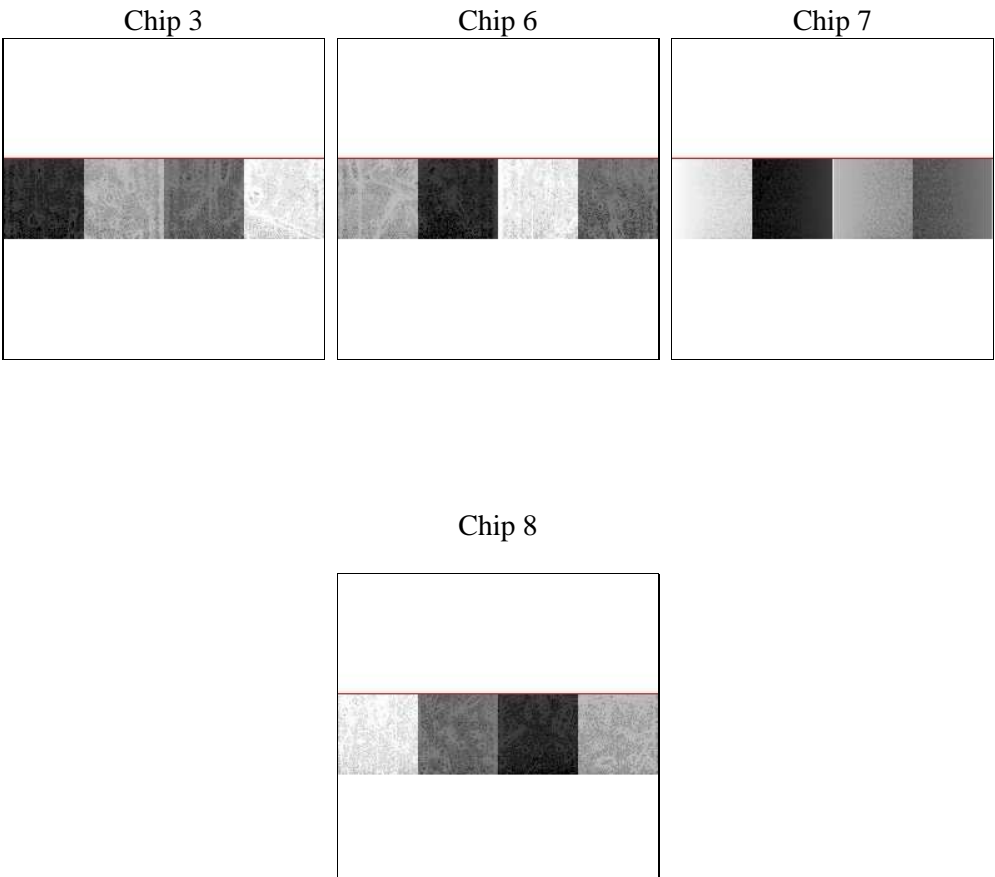
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3184.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	3184.0	Sum of GTIs [s]
date	2012-05-06T15:56:12	Date and time of file creation	ontime6	3184.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	3184.0	Sum of GTIs [s]
			ontime8	3184.0	Sum of GTIs [s]
			l1events	63078	Number of level 1 events

2.1.4 Events

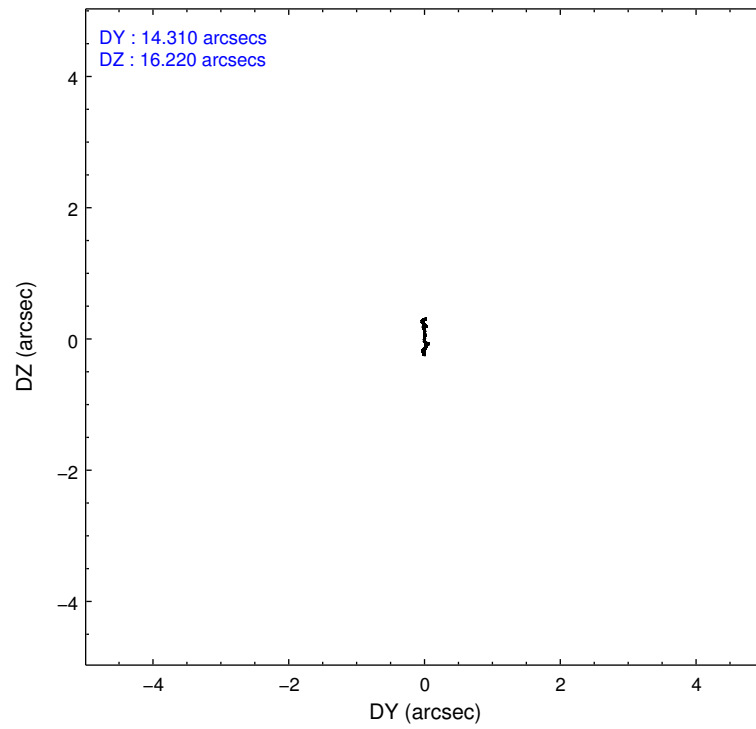
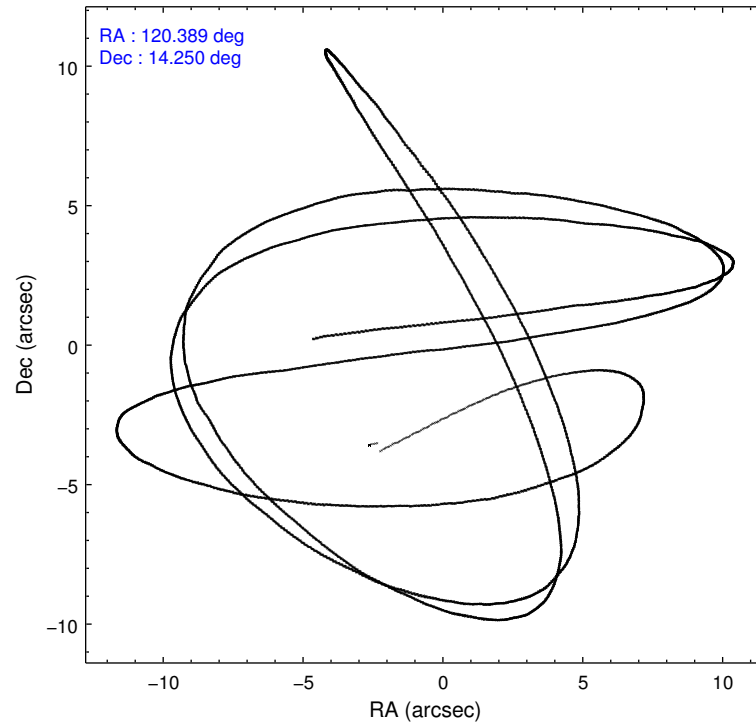
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	12676	14237	17610	18555
rejected events	11605	13134	12416	16221
rejected %	91%	92%	70%	87%

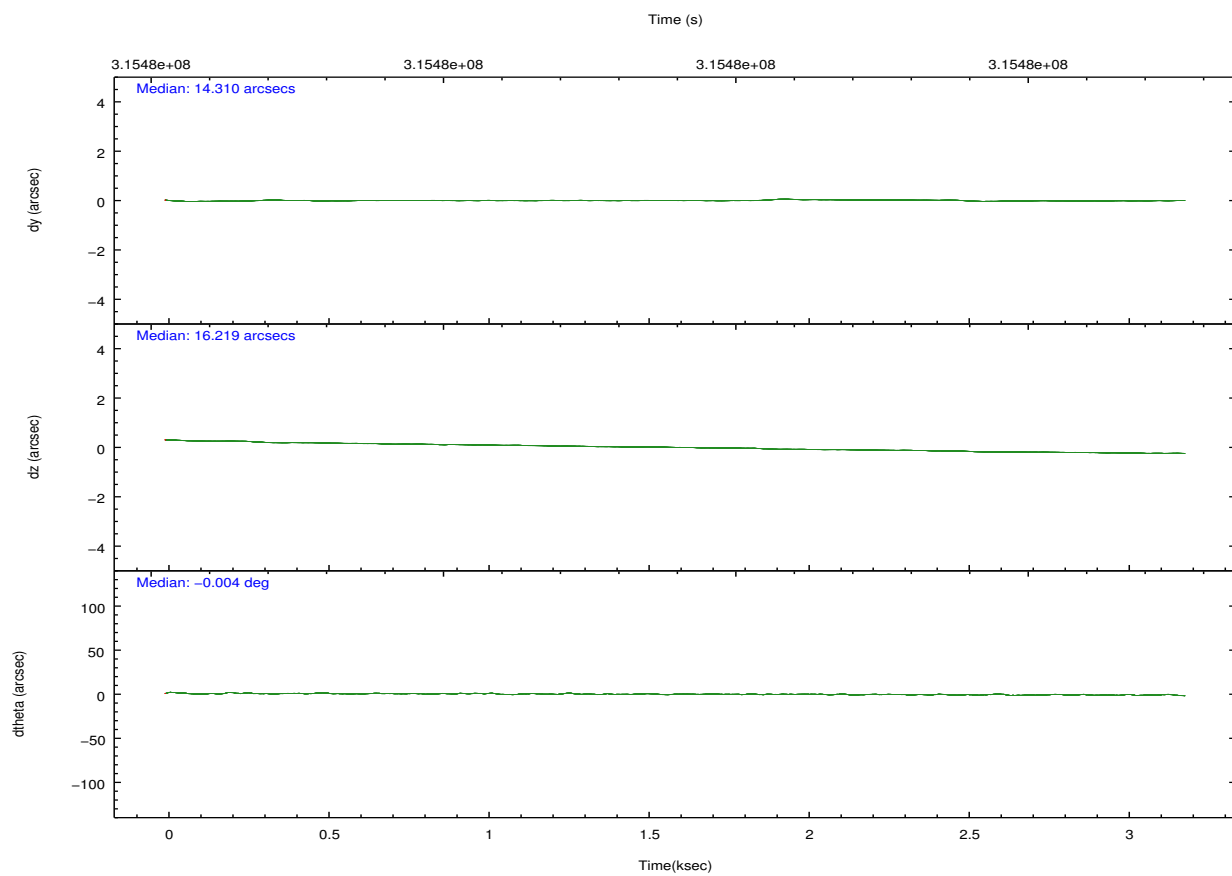
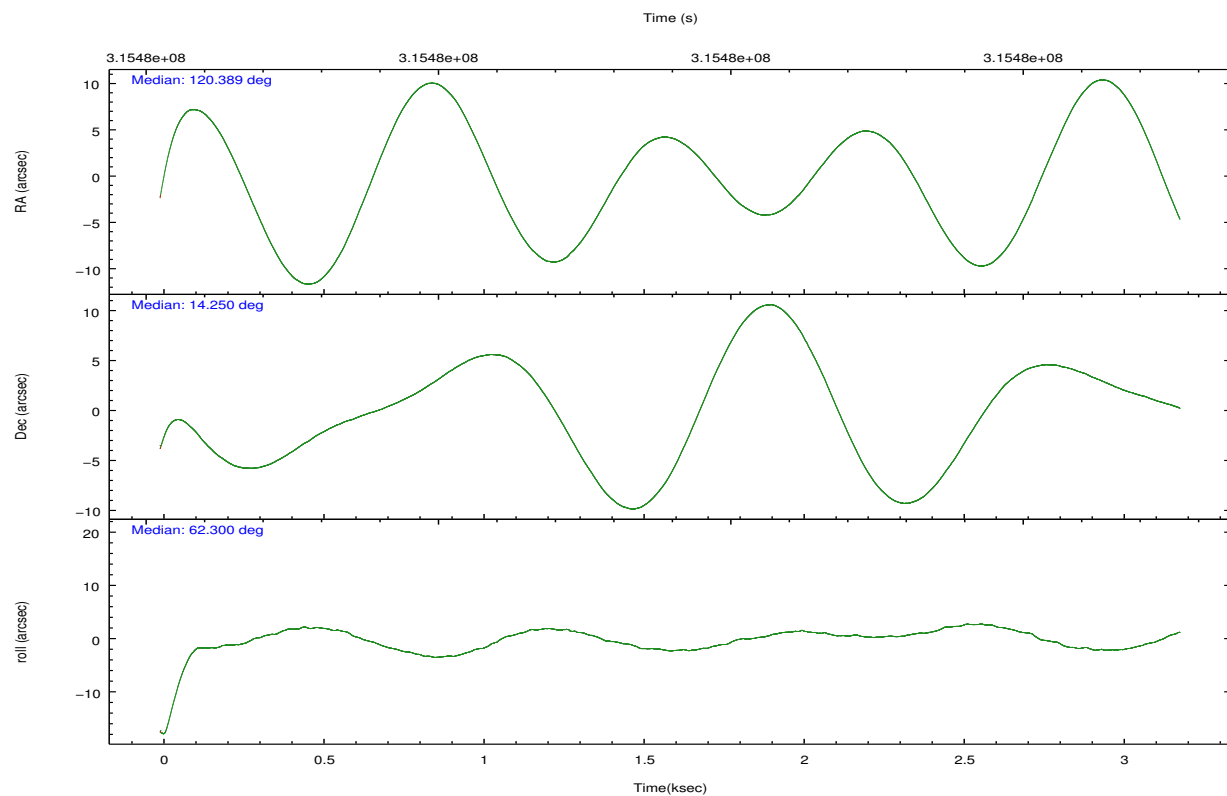
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	649	578	838	1020
	5%	4%	4%	5%
grade 1 events	4	3	23	8
	0%	0%	0%	0%
grade 2 events	262	329	1524	793
	2%	2%	8%	4%
grade 3 events	214	204	818	407
	1%	1%	4%	2%
grade 4 events	202	236	760	371
	1%	1%	4%	1%
grade 5 events	506	573	1681	721
	3%	4%	9%	3%
grade 6 events	266	300	3772	991
	2%	2%	21%	5%
grade 7 events	10573	12014	8194	14244
	83%	84%	46%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	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	120.390751	120.3893233290476	CCD I2 on	N	N
[deg] Pointing Dec	14.222621	14.24989058032505	CCD I3 on	O1	Y
[deg] Pointing Roll	62.148171	62.30508797477155	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	O3	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	O2	Y
[s] Observation start time (MET)	315478383.184000	315476613.20016	CCD S5 on	N	N
Observation start date	2007-12-31T08:51:58	2007-12-31T08:23:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	315481383.184000	315482906.70047	On-chip summing requested	N	N
Observation end date	2007-12-31T09:41:58	2007-12-31T10:08:26	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



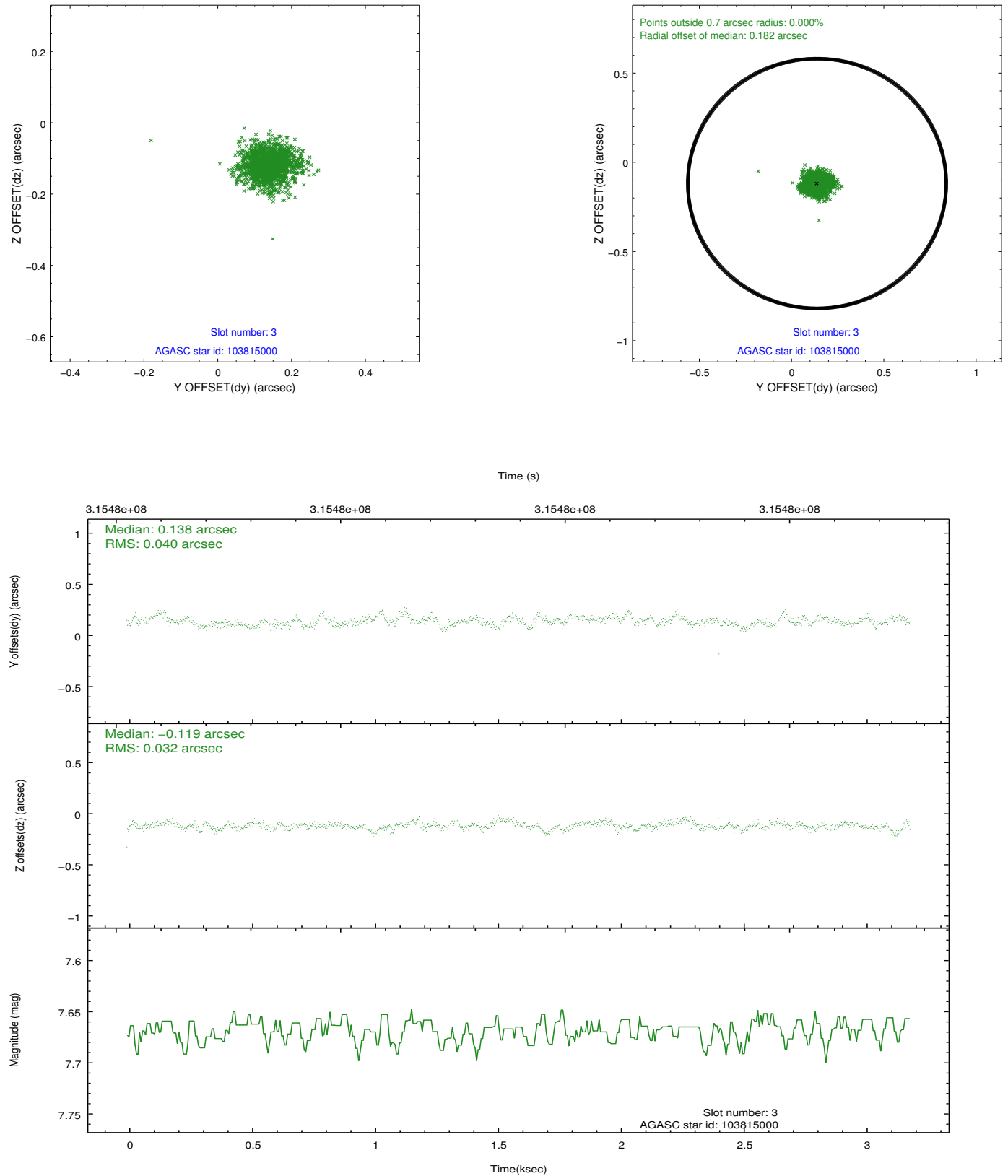


Slot Statistics

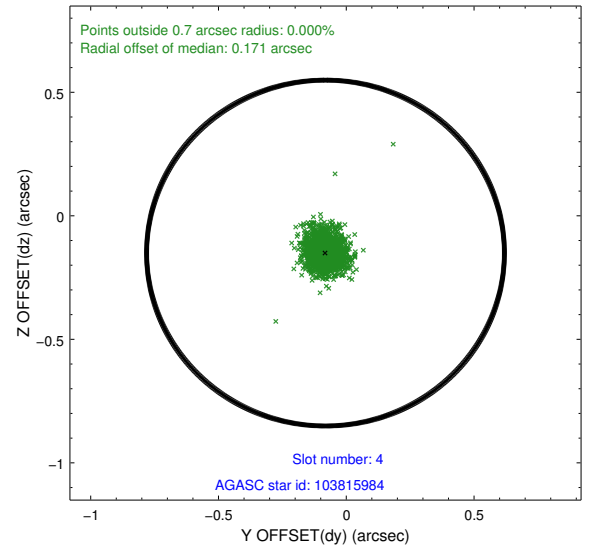
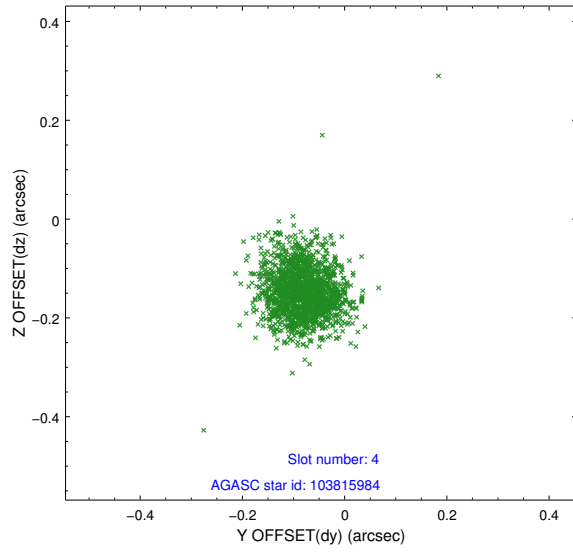
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	778	-0.067	-0.026	0.008	0.015	0.000000	0.000000	-767.33	-1737.60
1	FID	ACIS-S-4	7.19	778	0.186	0.040	0.006	0.010	0.000000	0.000000	2145.29	168.86
2	FID	ACIS-S-5	7.22	778	-0.149	-0.005	0.008	0.015	0.000000	0.000000	-1817.69	164.78
3	GUIDE	103815000	7.67	1554	0.138	-0.119	0.053	0.087	119.850457	13.827567	-2137.81	1006.50
4	GUIDE	103815984	8.71	1555	-0.081	-0.151	0.067	0.110	120.197483	14.646954	1035.15	1310.31
5	GUIDE	103945200	7.44	1555	-0.011	0.063	0.055	0.089	120.891074	14.090297	397.50	-1764.87
6	GUIDE	103950880	9.10	1554	-0.063	0.074	0.089	0.139	120.891052	14.404478	1396.09	-1236.12
7	GUIDE	103952664	7.75	1554	0.014	0.131	0.056	0.090	120.852413	13.669174	-1004.45	-2358.35

2.4 Star Slots

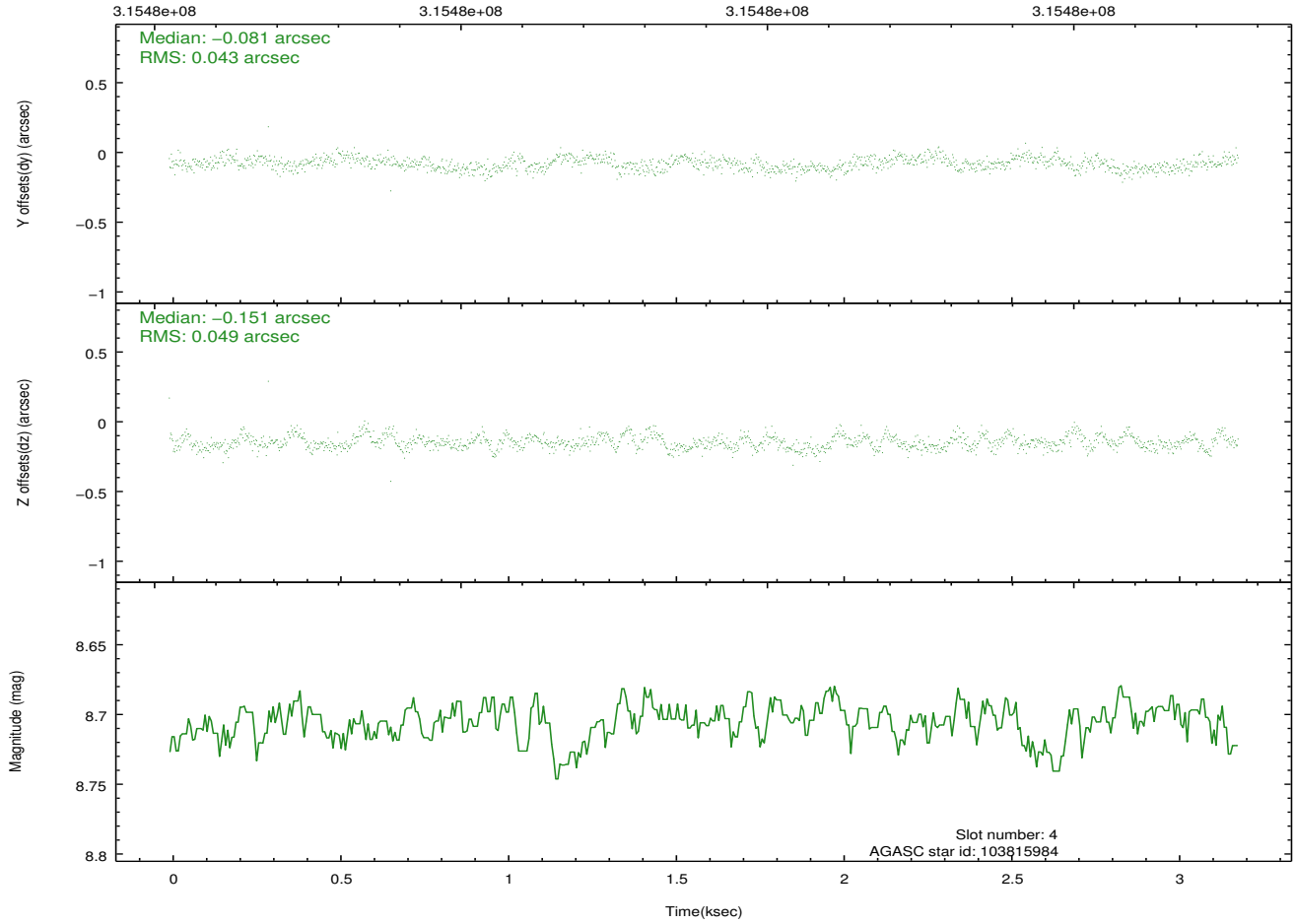
2.4.1 Slot 3



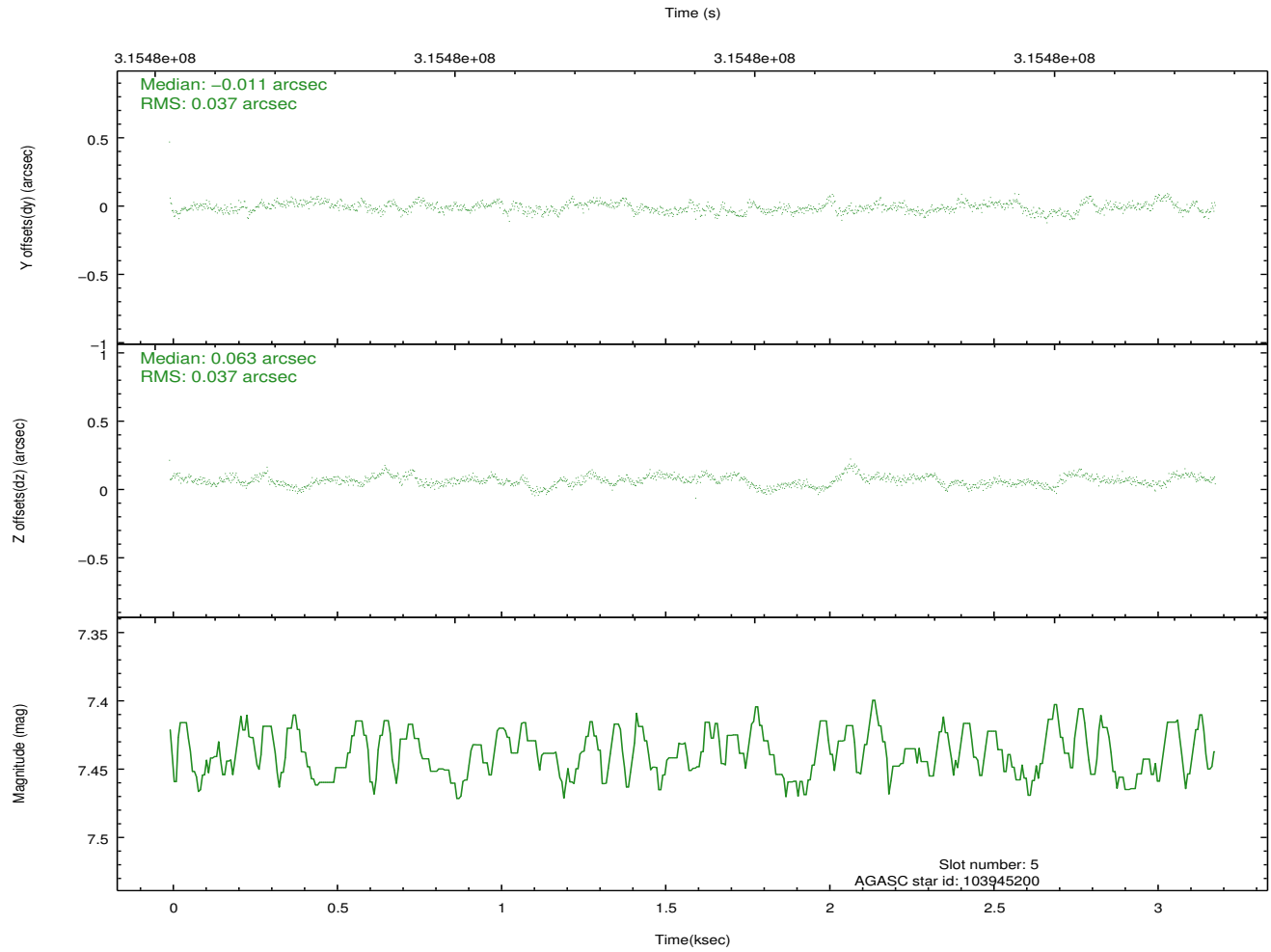
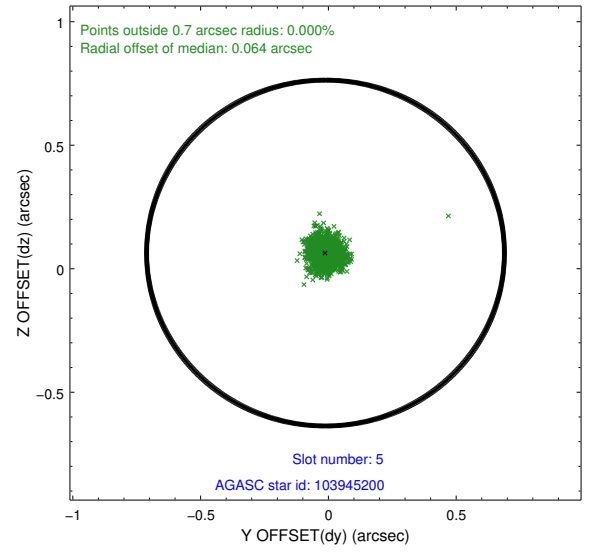
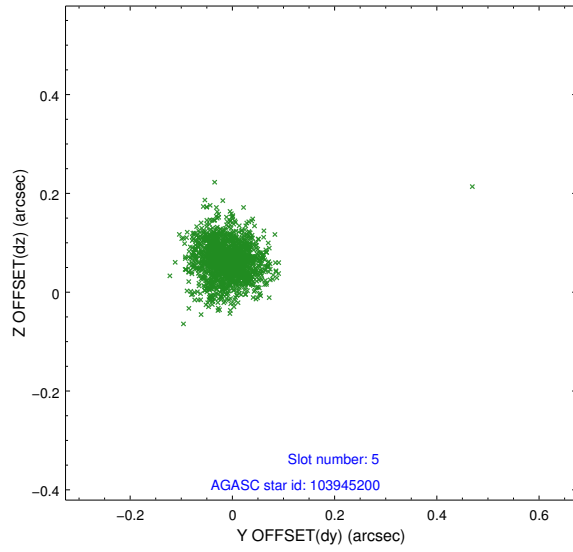
2.4.2 Slot 4



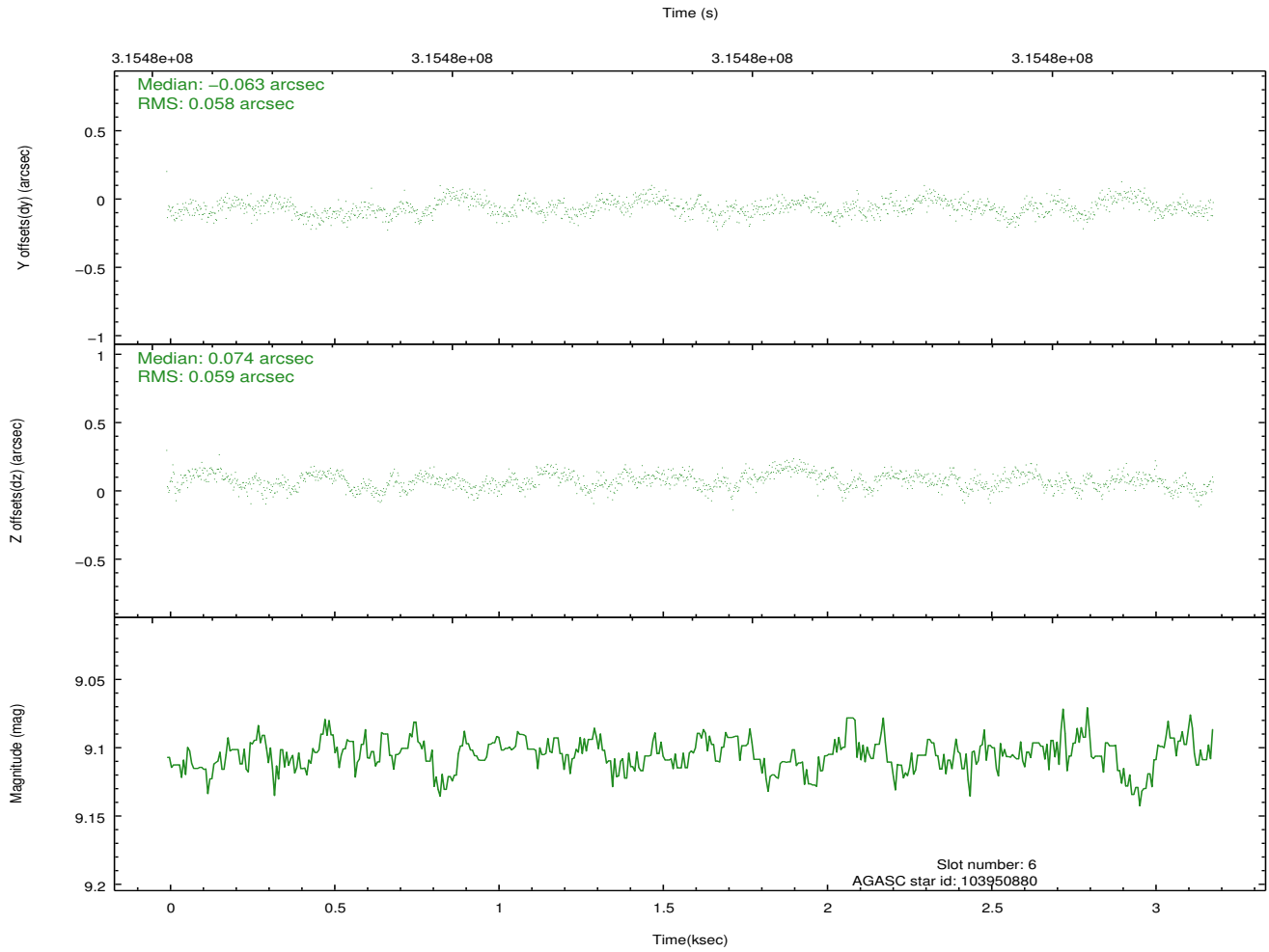
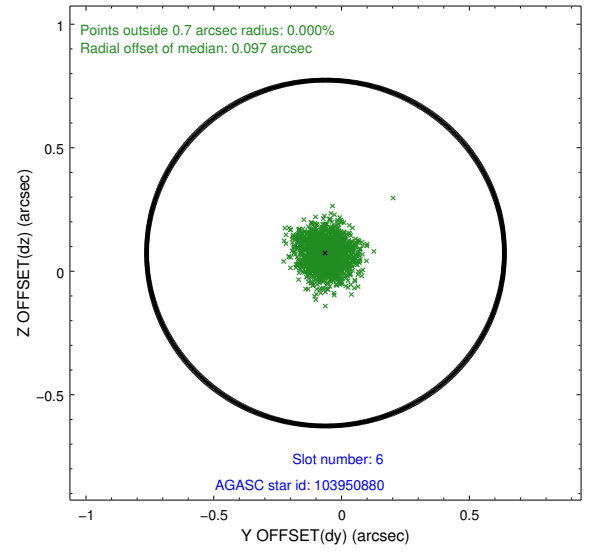
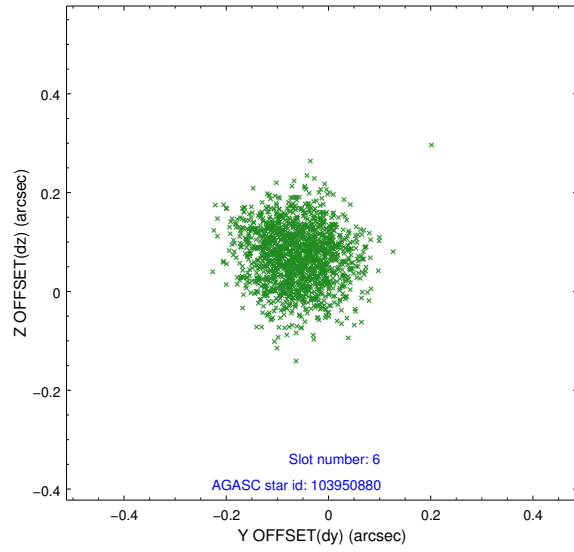
Time (s)



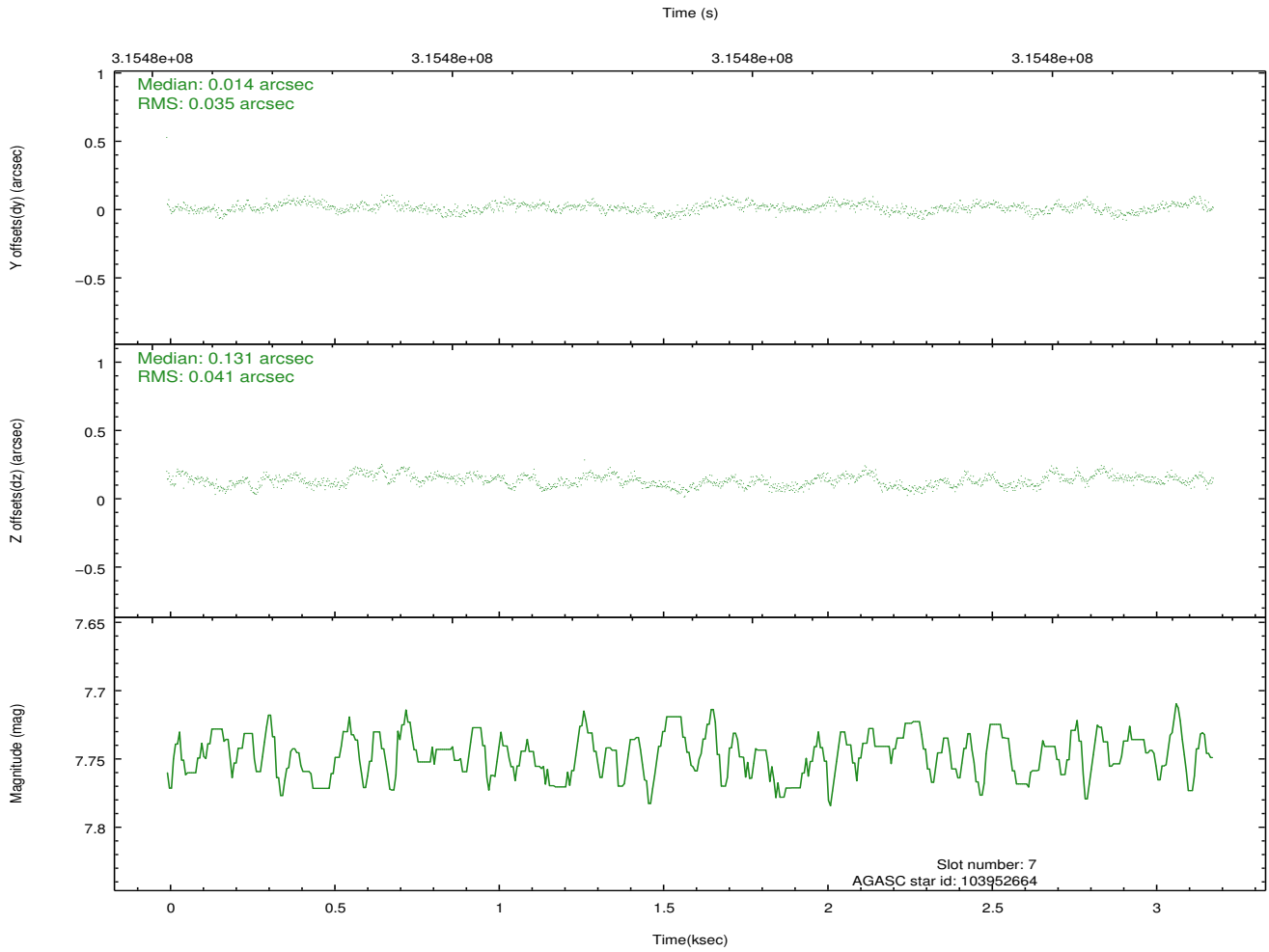
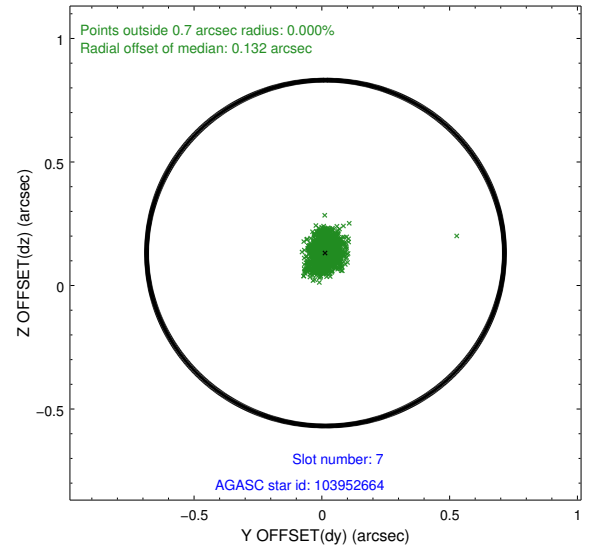
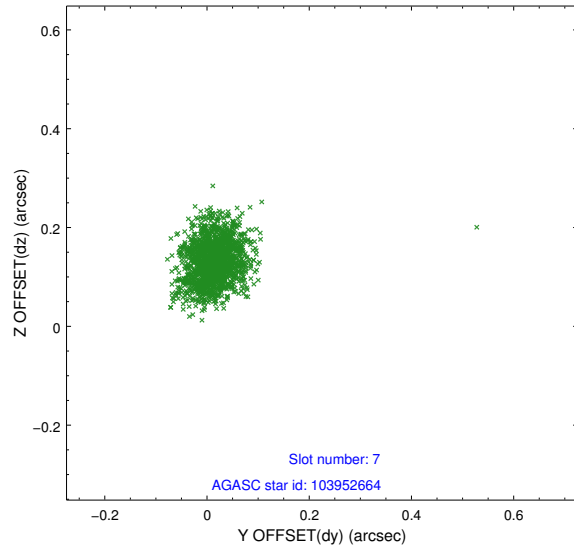
2.4.3 Slot 5



2.4.4 Slot 6

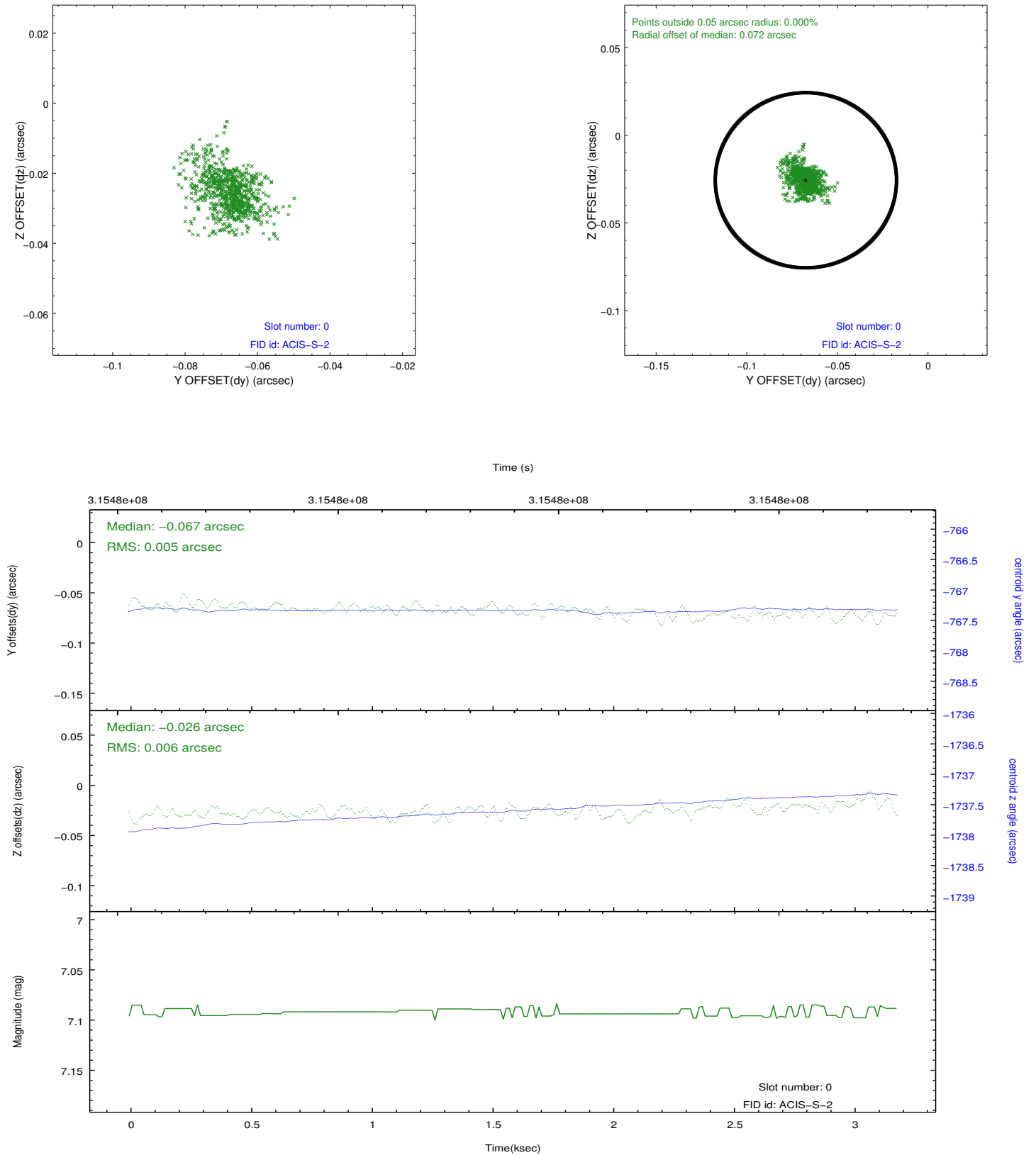


2.4.5 Slot 7

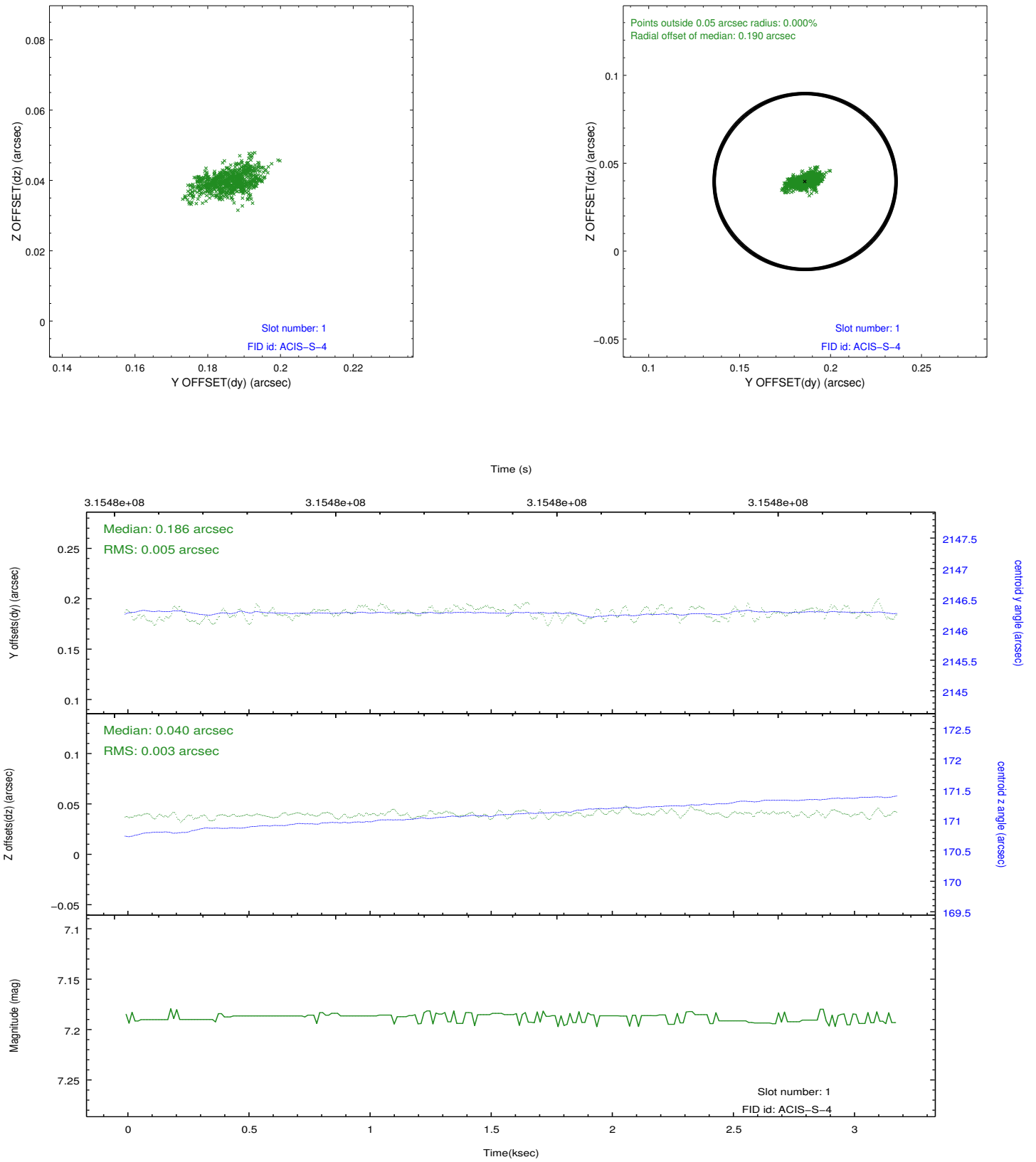


2.5 FID Slots

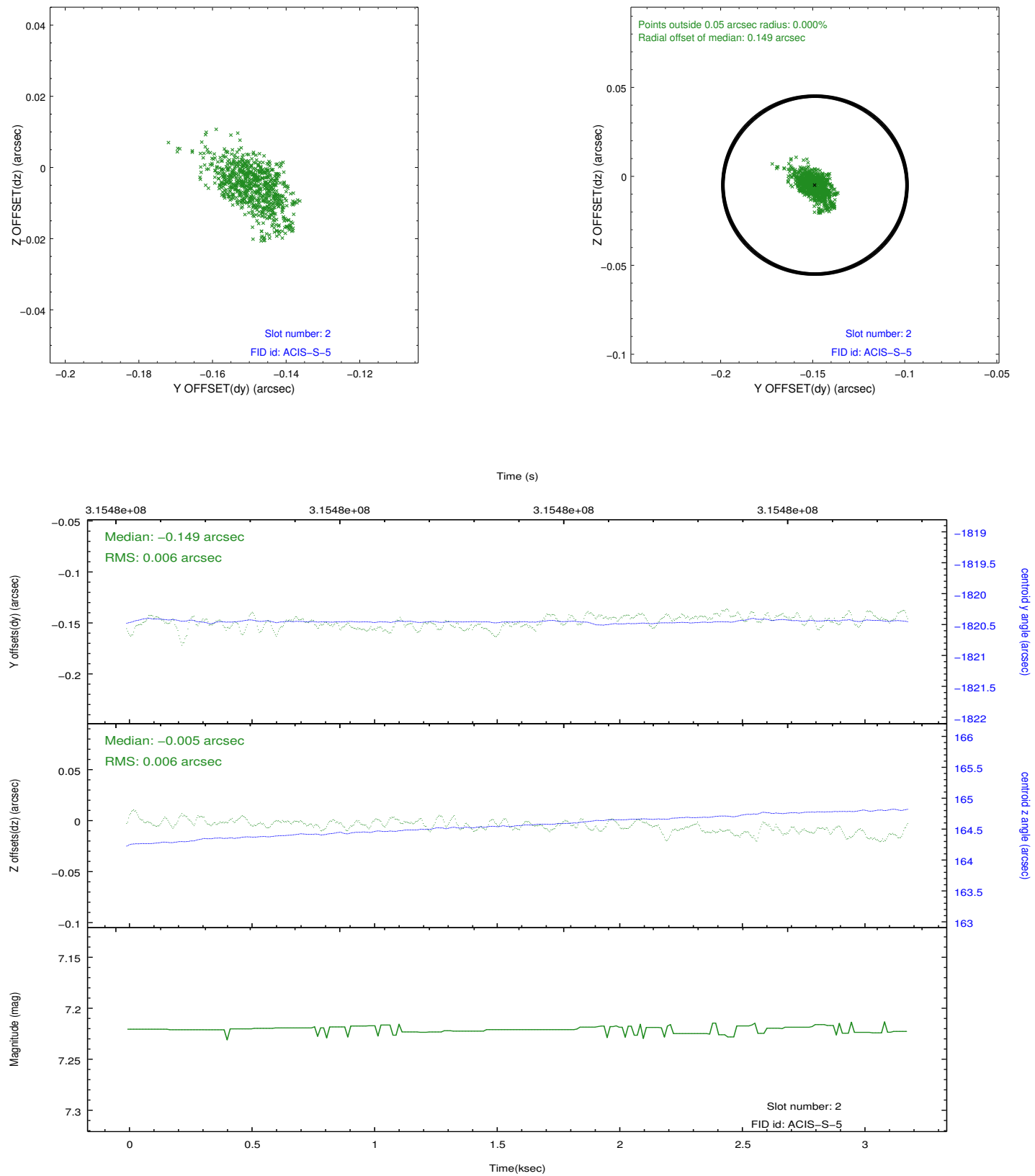
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.184

A.2 Comments