

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 304 - L2 Version 4
Chandra X-Ray Center

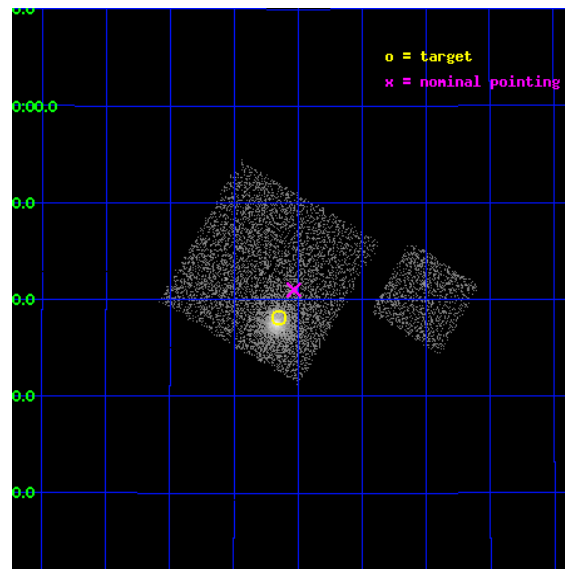
L2 Processing Date : Aug 25 2012

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1 Front

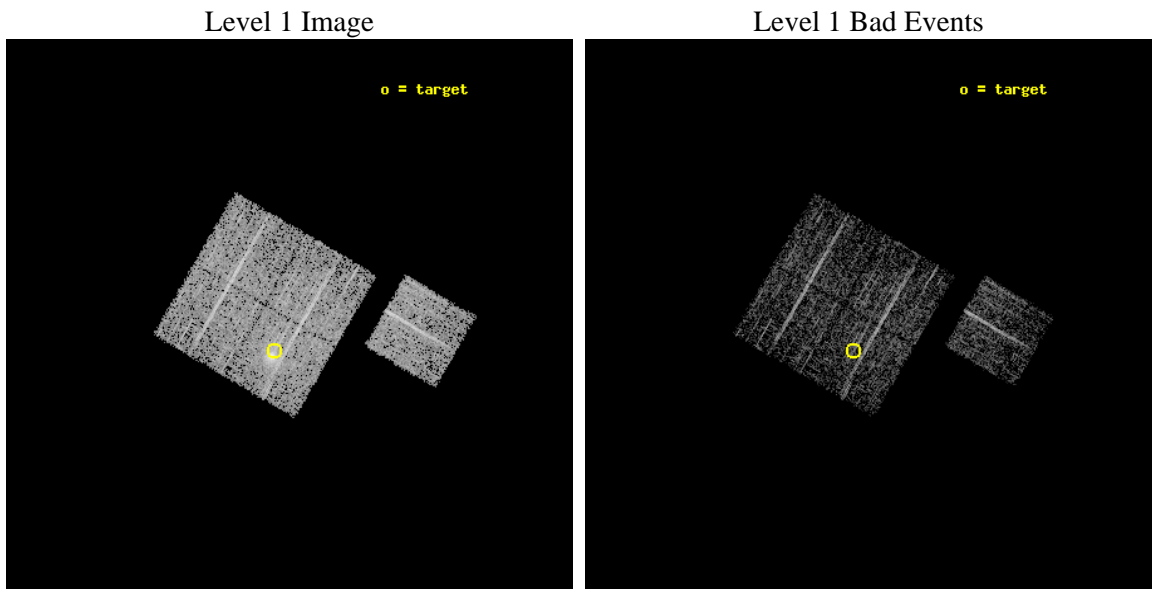
seq_num	800057	Sequence number
obs_id	304	Observation id
title	DETERMINATION OF H0/Q0	Proposal title
observer	DR. LEON VANSPEYBROECK	Principal investigator
object	RX J1720.1+2638	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.037083	Observer's specified target RA [deg]
dec_targ	26.635	Observer's specified target Dec [deg]
ra_nom	260.00807444371	Nominal RA [deg]
dec_nom	26.683373572503	Nominal Dec [deg]
roll_nom	120.15596527264	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2302.934059307	Sum of GTIs [s]
livetime	2273.7729215876	Livetime [s]
ontime0	2303.0982193053	Sum of GTIs [s]
ontime1	2303.057179302	Sum of GTIs [s]
ontime2	2303.0161392987	Sum of GTIs [s]
ontime3	2302.934059307	Sum of GTIs [s]
ontime6	2302.9750993103	Sum of GTIs [s]
l2events	12182	Number of level 2 events



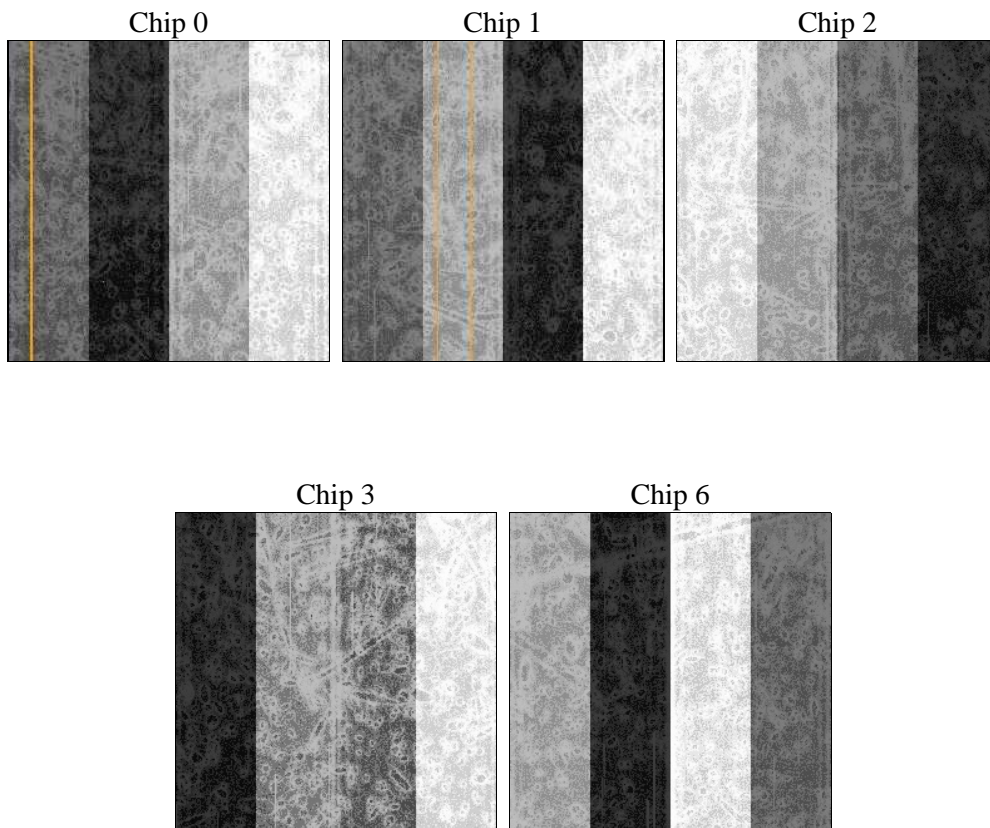
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2302.934059307	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	2303.0982193053	Sum of GTIs [s]
date	2012-08-25T20:28:47	Date and time of file creation	ontime1	2303.057179302	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	2303.0161392987	Sum of GTIs [s]
			ontime3	2302.934059307	Sum of GTIs [s]
			ontime6	2302.9750993103	Sum of GTIs [s]
			l1events	88643	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	16348	16322	17794	20993	17186
rejected events	14500	14270	16086	14704	15444
rejected %	88%	87%	90%	70%	89%

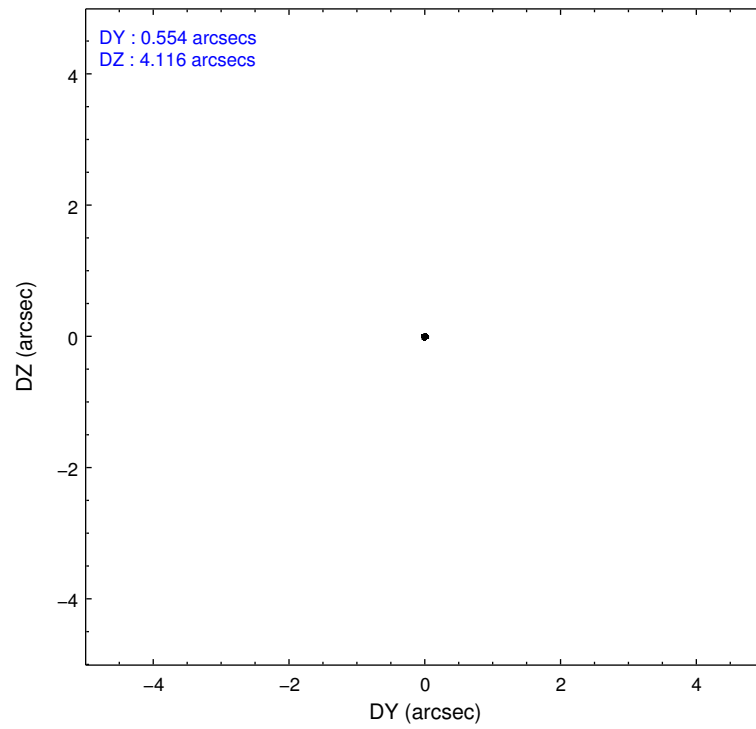
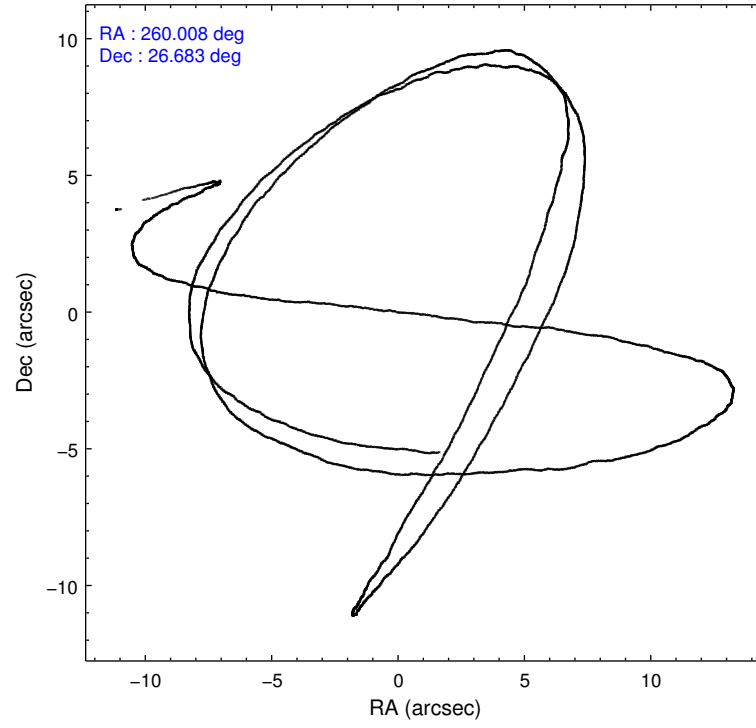
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	810	967	740	4548	709
	4%	5%	4%	21%	4%
grade 1 events	6	7	7	25	5
	0%	0%	0%	0%	0%
grade 2 events	379	331	355	784	345
	2%	2%	1%	3%	2%
grade 3 events	181	211	166	295	192
	1%	1%	0%	1%	1%
grade 4 events	182	203	152	293	187
	1%	1%	0%	1%	1%
grade 5 events	525	605	487	567	631
	3%	3%	2%	2%	3%
grade 6 events	296	341	296	370	311
	1%	2%	1%	1%	1%
grade 7 events	13969	13657	15591	14111	14806
	85%	83%	87%	67%	86%

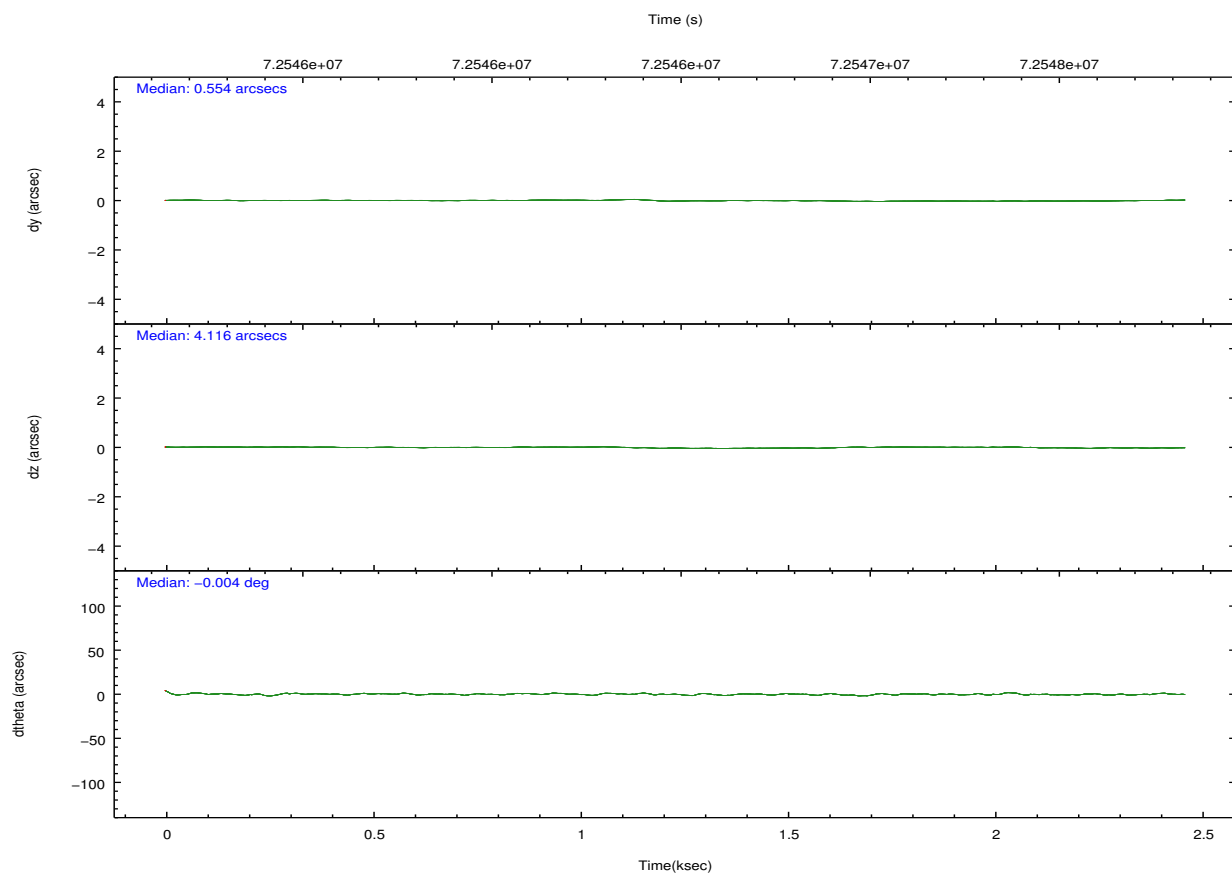
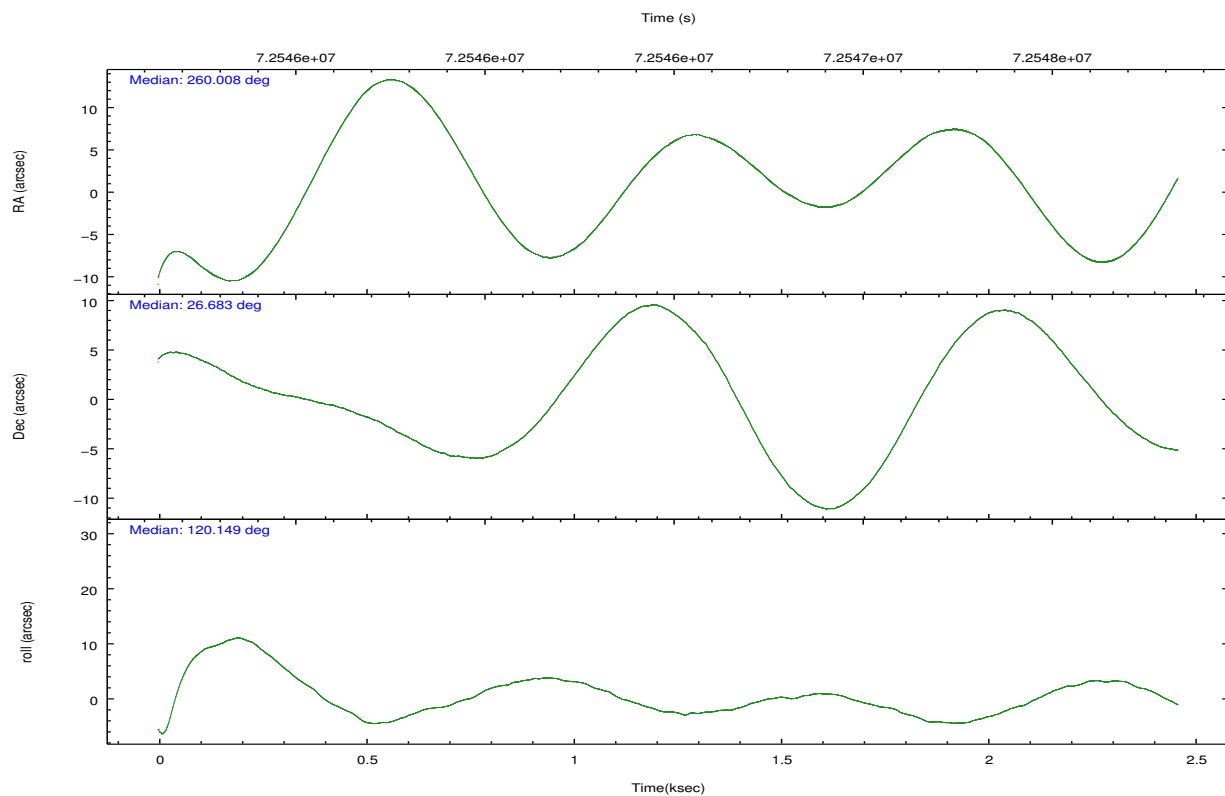
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01236	ACIS-01236
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	260.035156	260.008074443711
[deg] Pointing Dec	26.669399	26.68337357250294
[deg] Pointing Roll	119.935181	120.1559652726369
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-225.840463	-225.8433433320239
[mm] SIM translation stage offset	-7.752	-7.749109670905796
[s] Observation start time (MET)	72545713.184000	72544483.53481799
Observation start date	2000-04-19T15:34:09	2000-04-19T15:14:43
[s] Observation end time (MET)	72547713.184000	72548415.94746201
Observation end date	2000-04-19T16:07:29	2000-04-19T16:20:15
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	3.2

2.3 Aspect



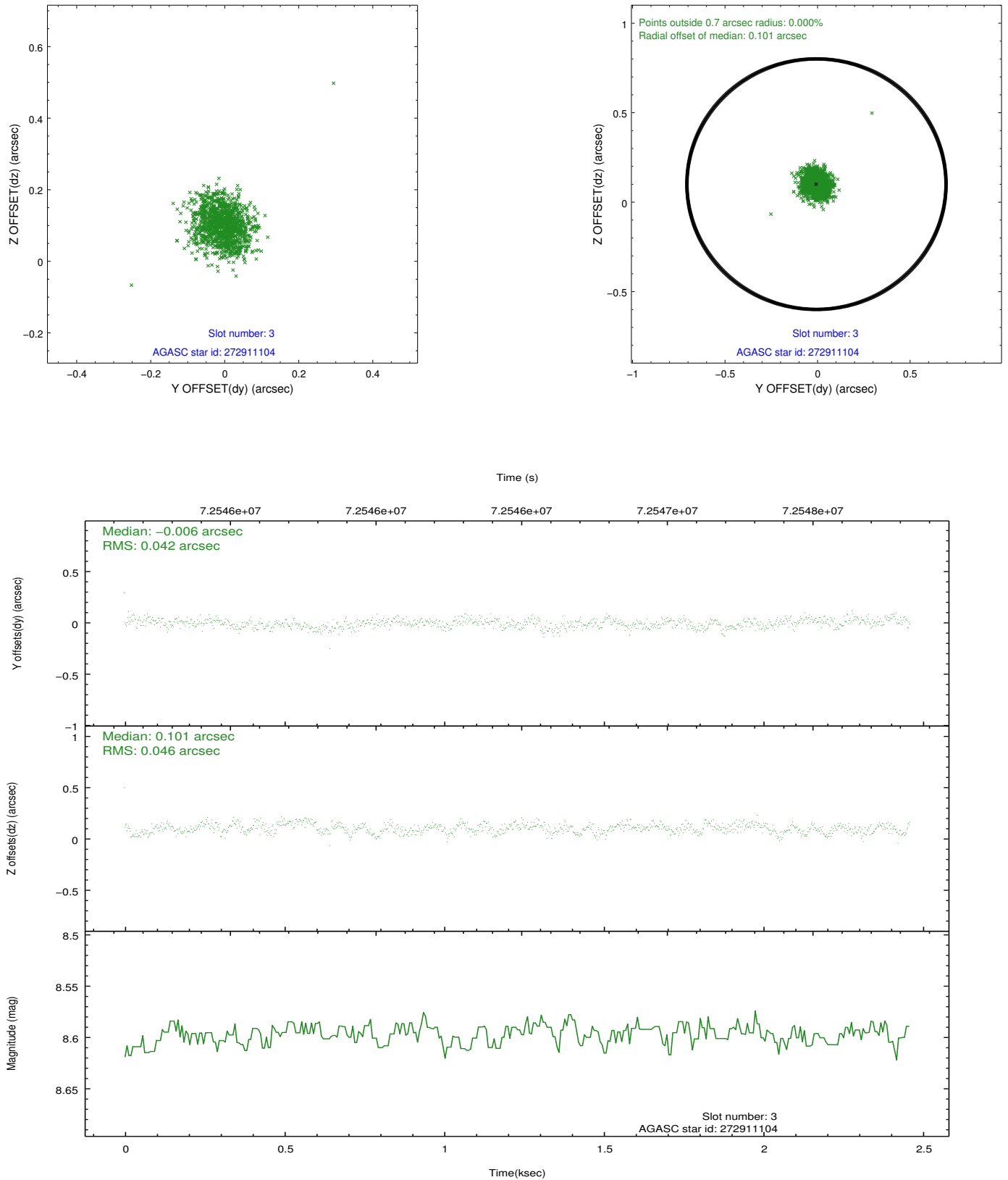


Slot Statistics

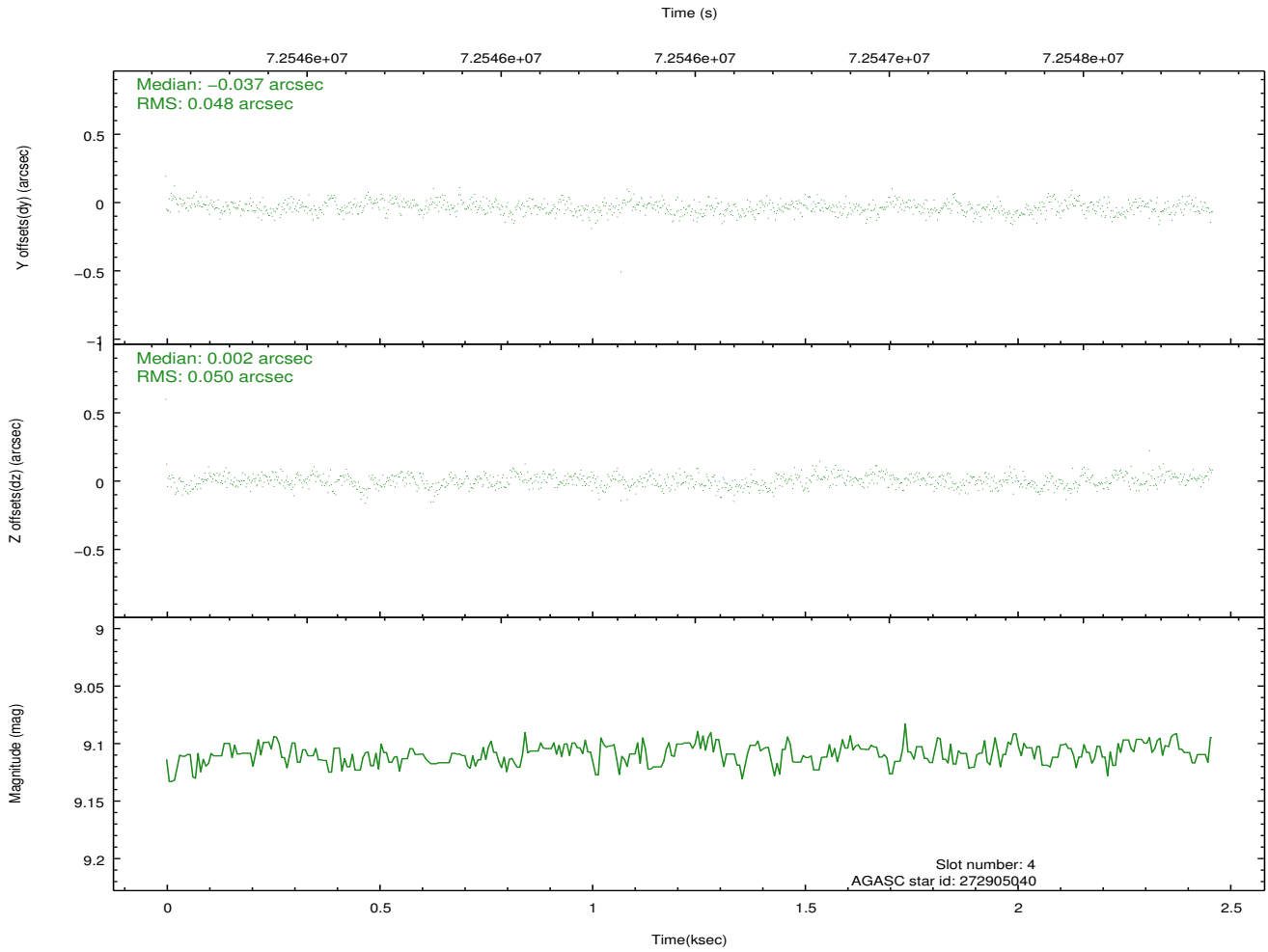
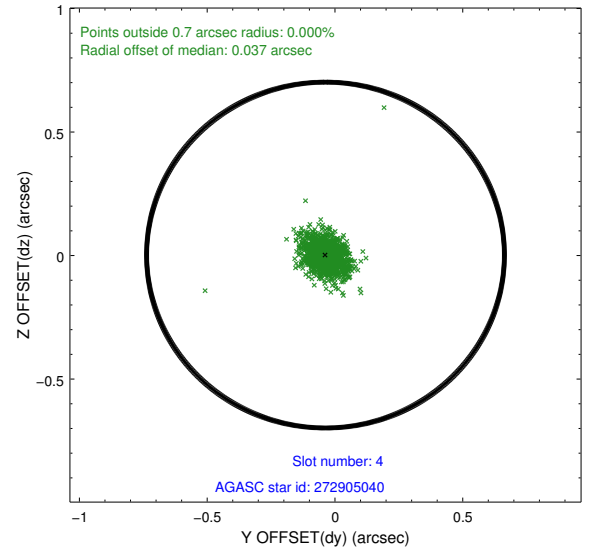
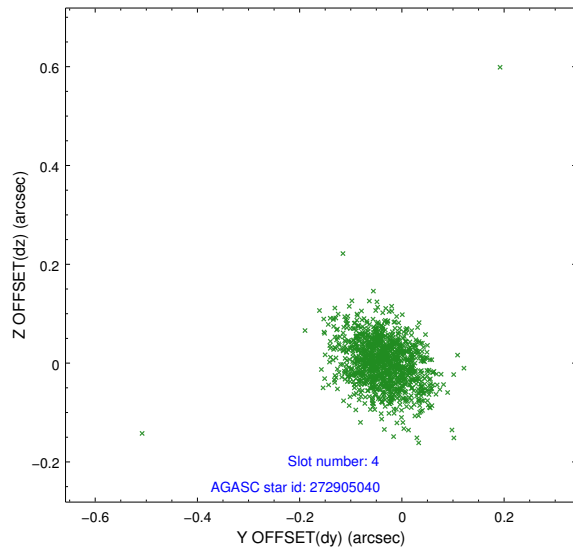
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.17	600	-0.051	-0.065	0.009	0.015	0.000000	0.000000	-755.43	-991.93
1	FID	ACIS-I-4	7.16	600	-0.023	0.054	0.005	0.012	0.000000	0.000000	2157.37	912.82
2	FID	ACIS-I-5	7.22	601	-0.027	0.080	0.009	0.015	0.000000	0.000000	-1805.50	912.59
3	GUIDE	272911104	8.60	1201	-0.006	0.101	0.064	0.101	260.699049	26.523786	-1517.27	-1595.52
4	GUIDE	272905040	9.11	1198	-0.037	0.002	0.068	0.114	260.363769	26.943354	327.61	-1409.05
5	GUIDE	272907776	9.24	1200	0.058	-0.037	0.082	0.138	260.539378	26.537075	-1220.80	-1173.62
6	GUIDE	272370688	9.39	1200	-0.021	-0.064	0.088	0.153	260.078386	26.214743	-1490.02	693.50
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

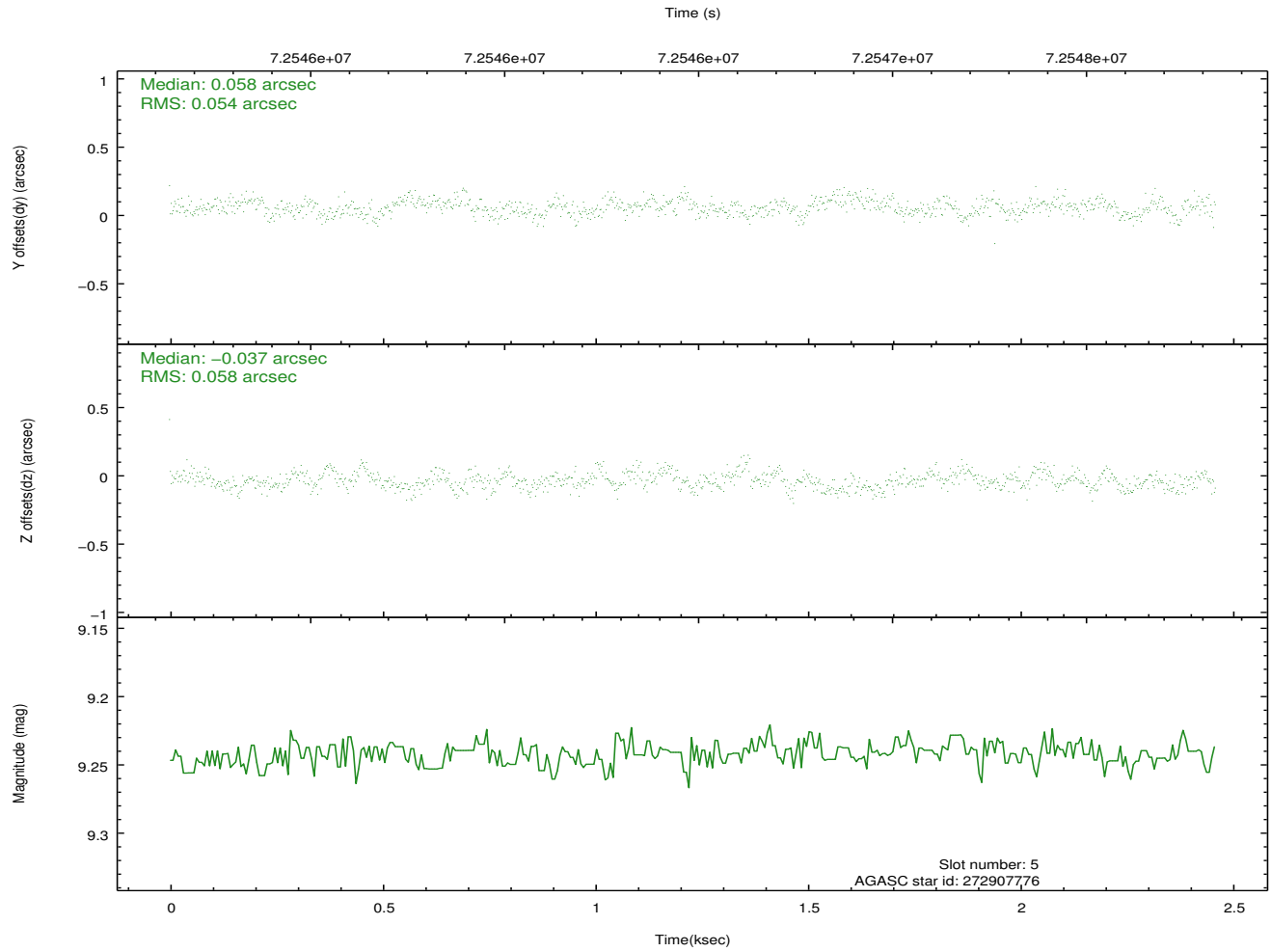
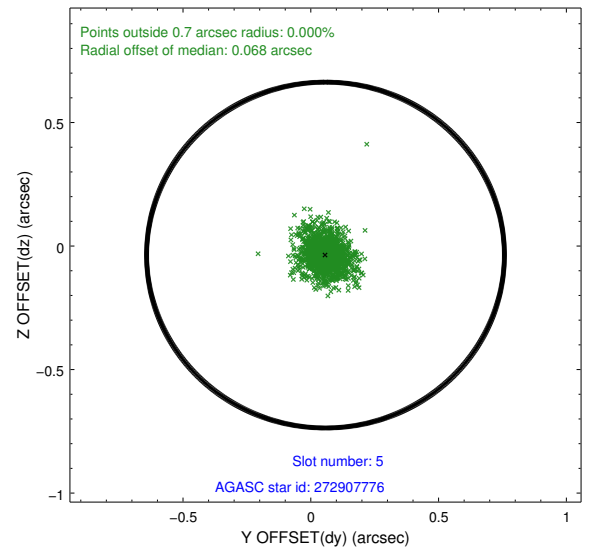
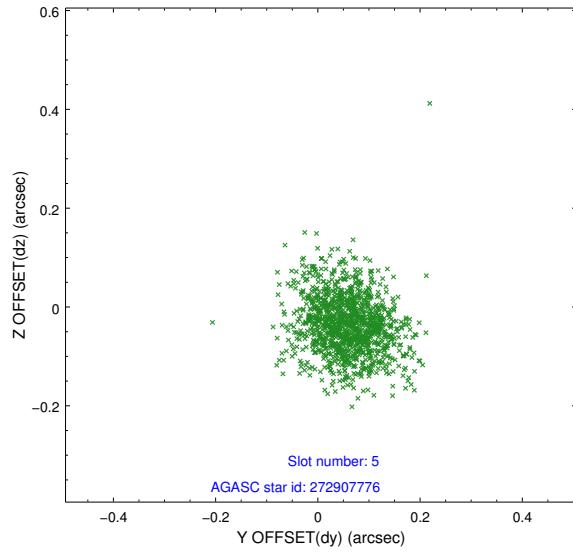
2.4.1 Slot 3



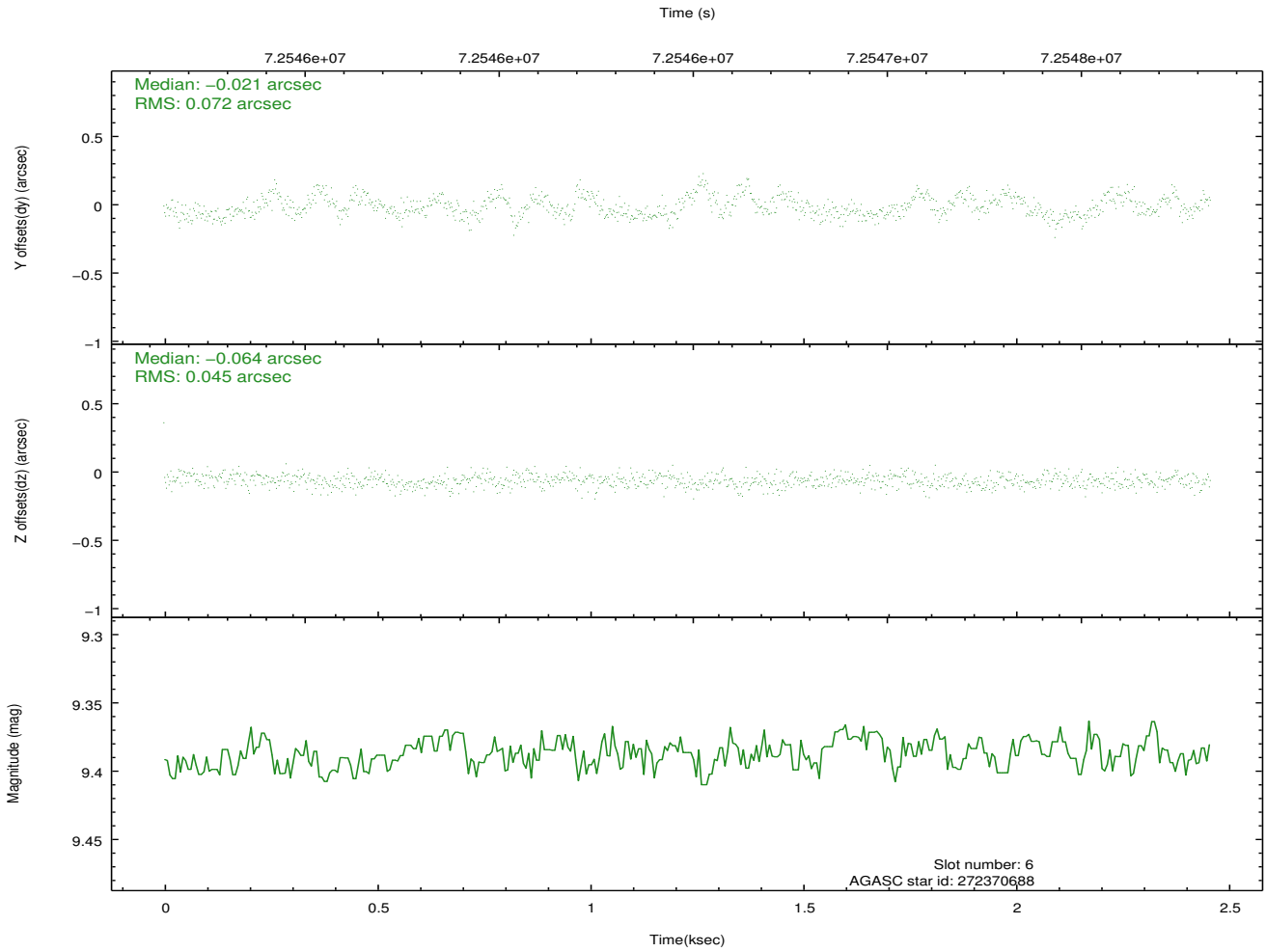
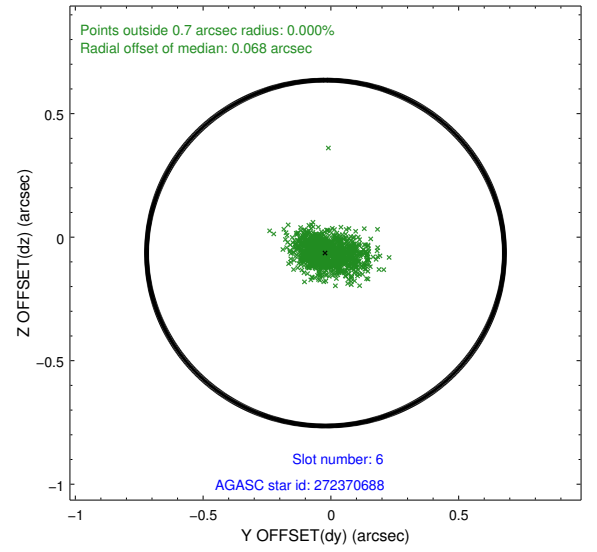
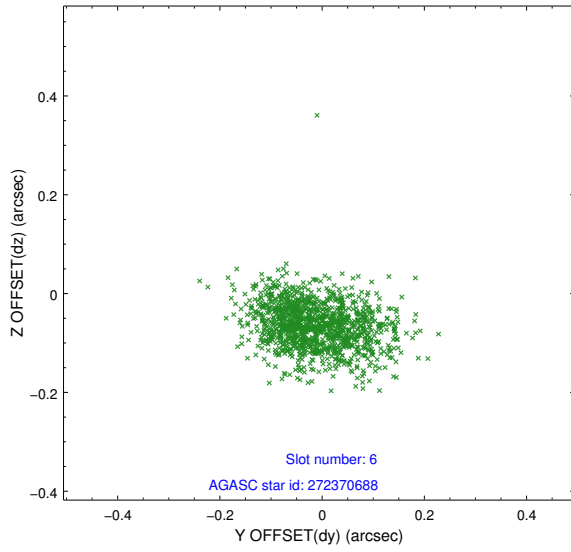
2.4.2 Slot 4



2.4.3 Slot 5

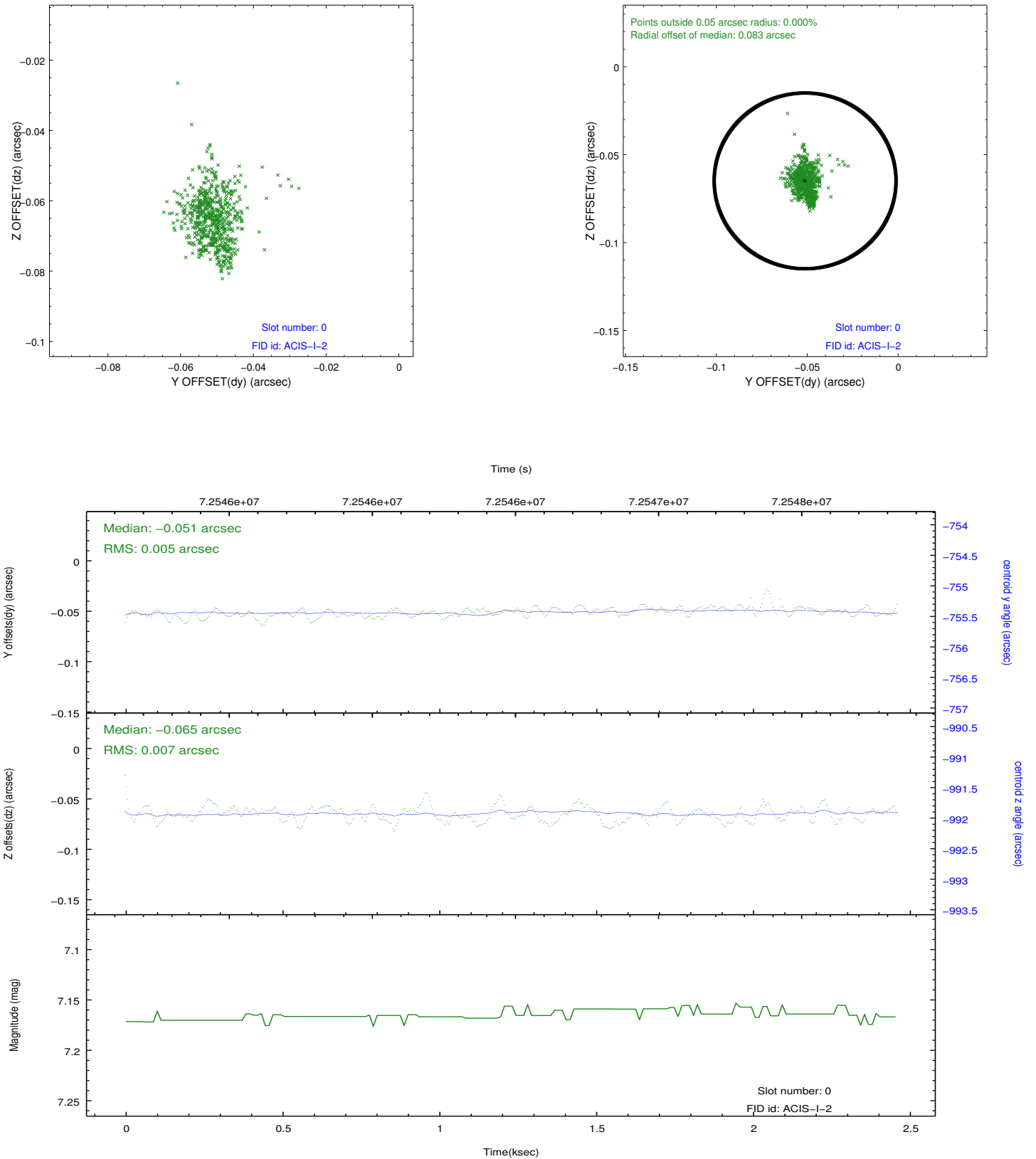


2.4.4 Slot 6

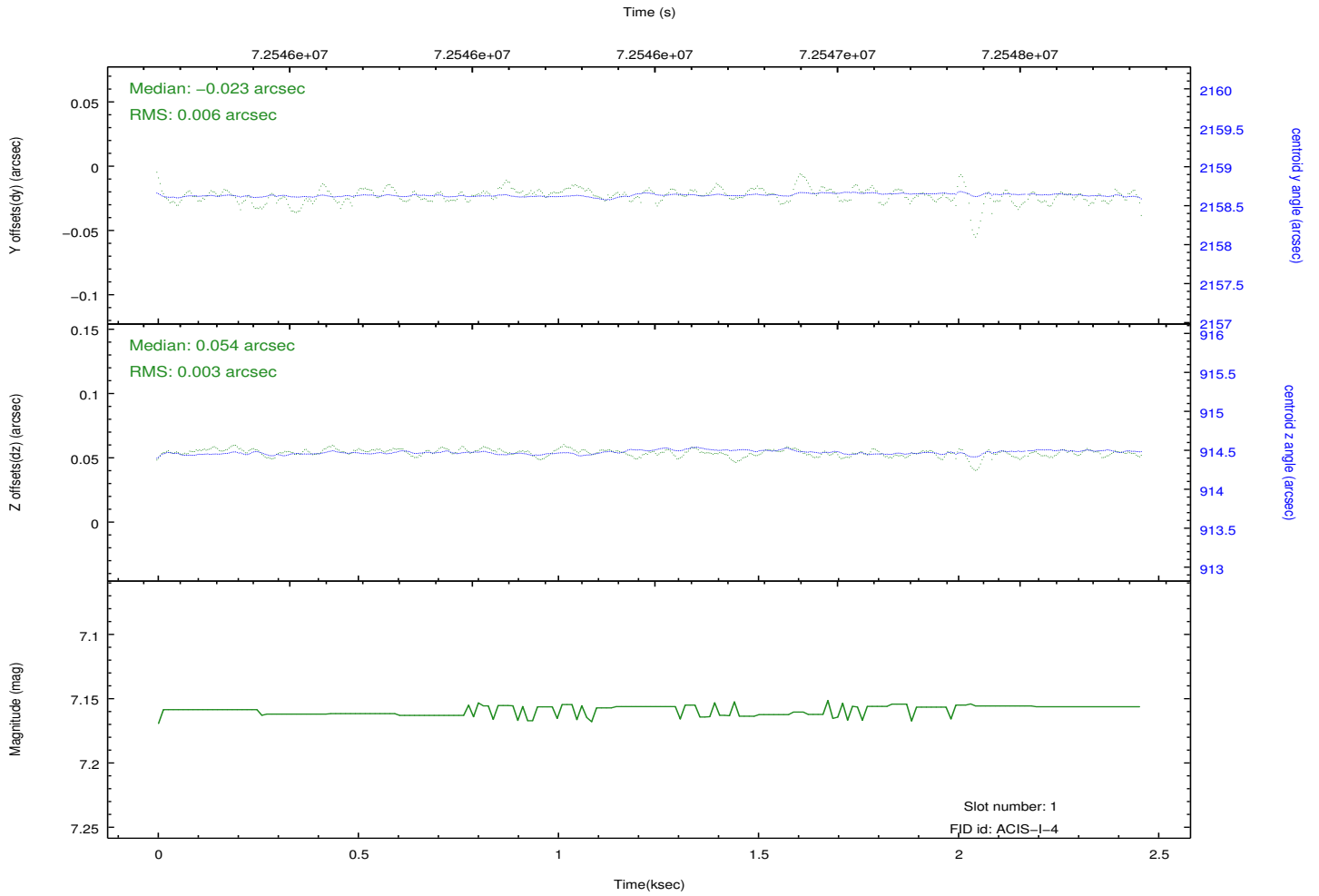
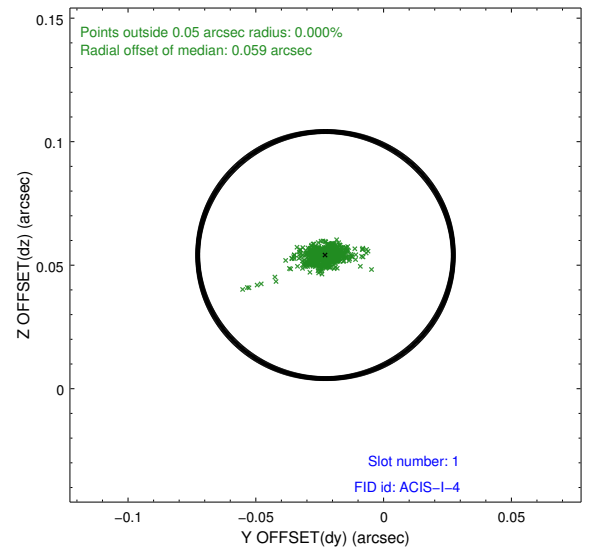
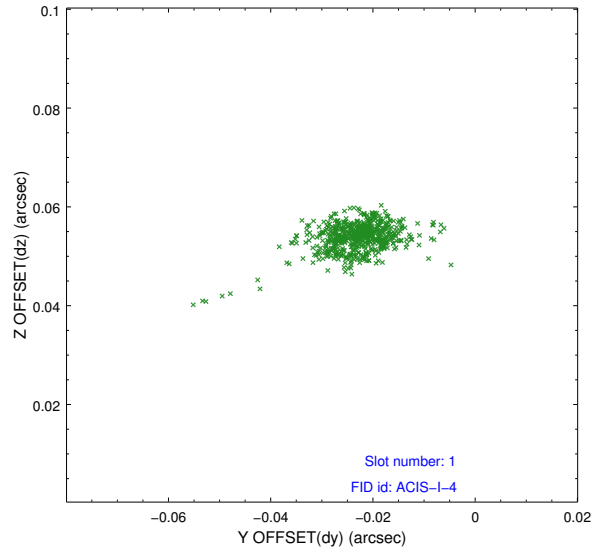


2.5 FID Slots

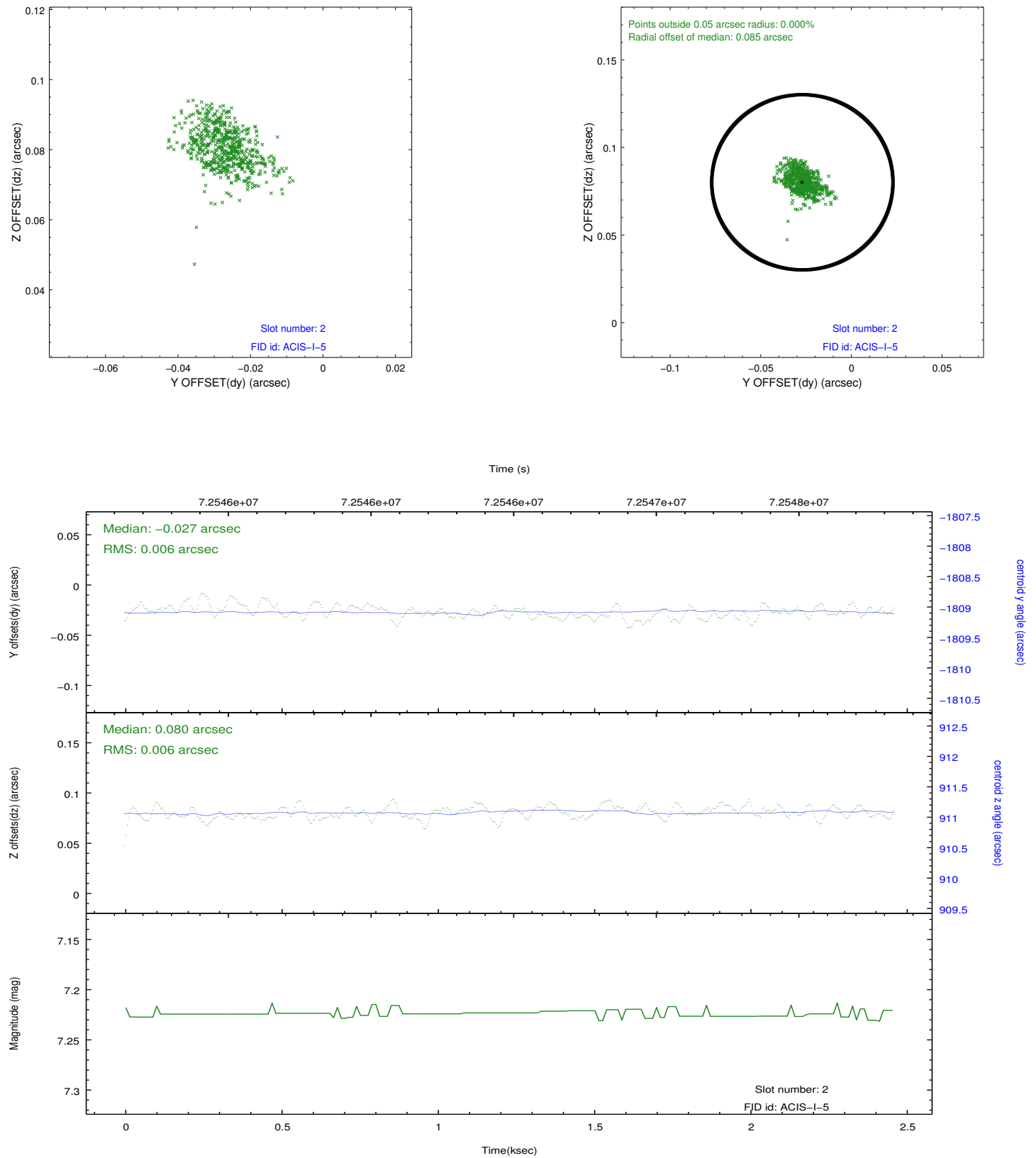
2.5.1 Slot 0



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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.304

A.2 Comments

Slot 7 was not used in this observation.