

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10260 - L2 Version 2
Chandra X-Ray Center

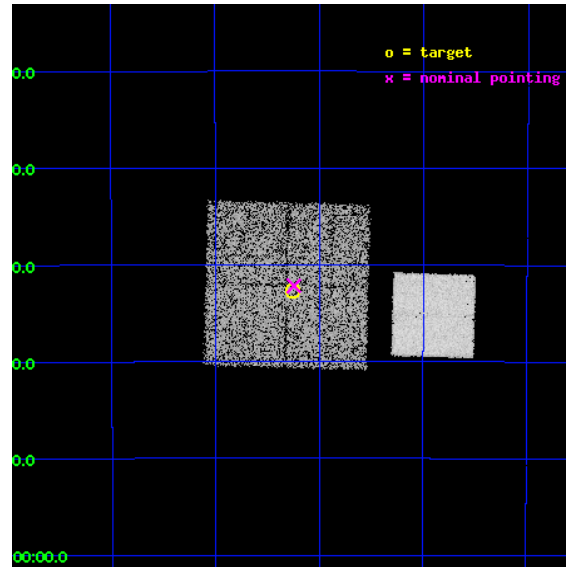
L2 Processing Date : May 26 2012

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1 Front

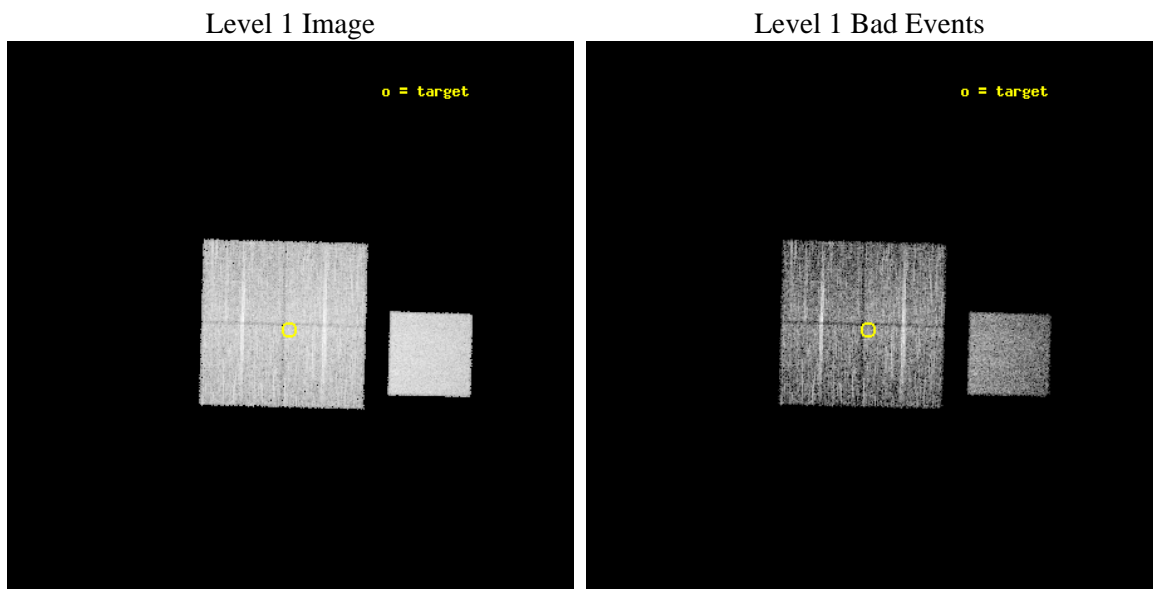
seq_num	701803	Sequence number
obs_id	10260	Observation id
title	Zeroing in on the sources of Ultrahigh Energy Cosmic Rays	Proposal
observer	Prof. Glennys Farrar	Principal investigator
object	ESO 270-G007	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	200.814583	Observer's specified target RA [deg]
dec_targ	-43.544194	Observer's specified target Dec [deg]
ra_nom	200.8110348747	Nominal RA [deg]
dec_nom	-43.536476593367	Nominal Dec [deg]
roll_nom	91.462873746819	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5033.8152480125	Sum of GTIs [s]
livetime	4968.0447459564	Livetime [s]
ontime0	5033.6921280026	Sum of GTIs [s]
ontime1	5030.5921777487	Sum of GTIs [s]
ontime2	5033.7742080092	Sum of GTIs [s]
ontime3	5033.8152480125	Sum of GTIs [s]
ontime7	5033.8562880158	Sum of GTIs [s]
l2events	51432	Number of level 2 events



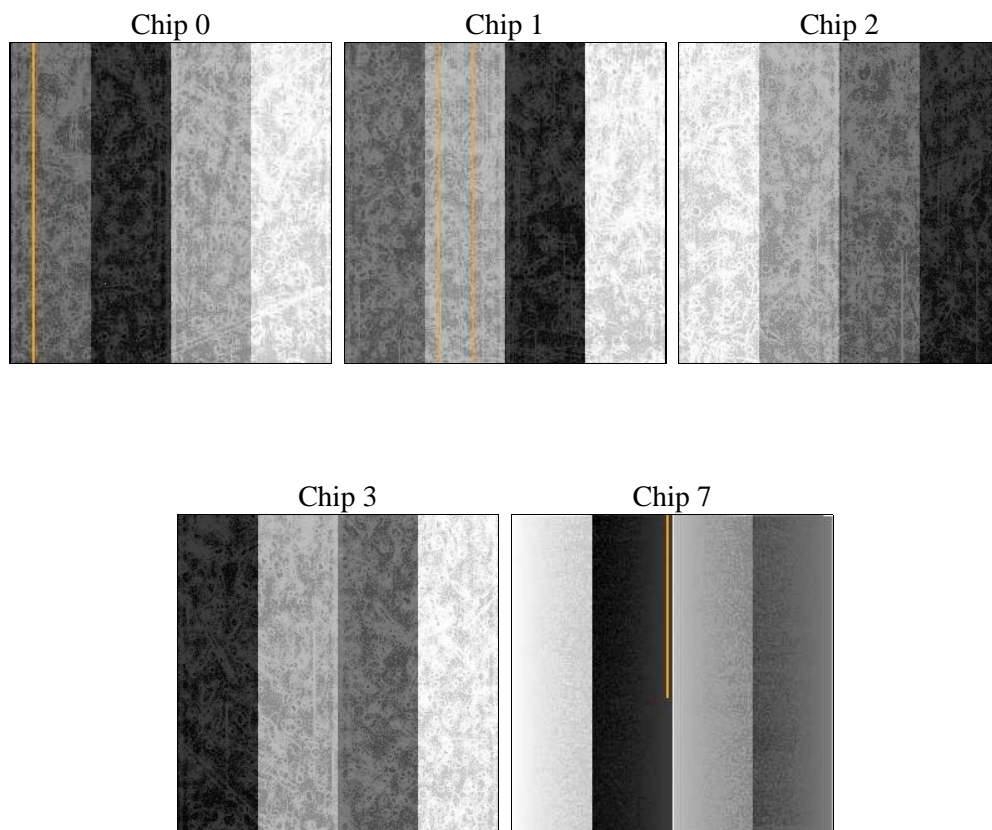
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5033.8152480125	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5033.6921280026	Sum of GTIs [s]
date	2012-05-26T04:42:41	Date and time of file creation	ontime1	5030.5921777487	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5033.7742080092	Sum of GTIs [s]
			ontime3	5033.8152480125	Sum of GTIs [s]
			ontime7	5033.8562880158	Sum of GTIs [s]
			l1events	265398	Number of level 1 events

2.1.4 Events

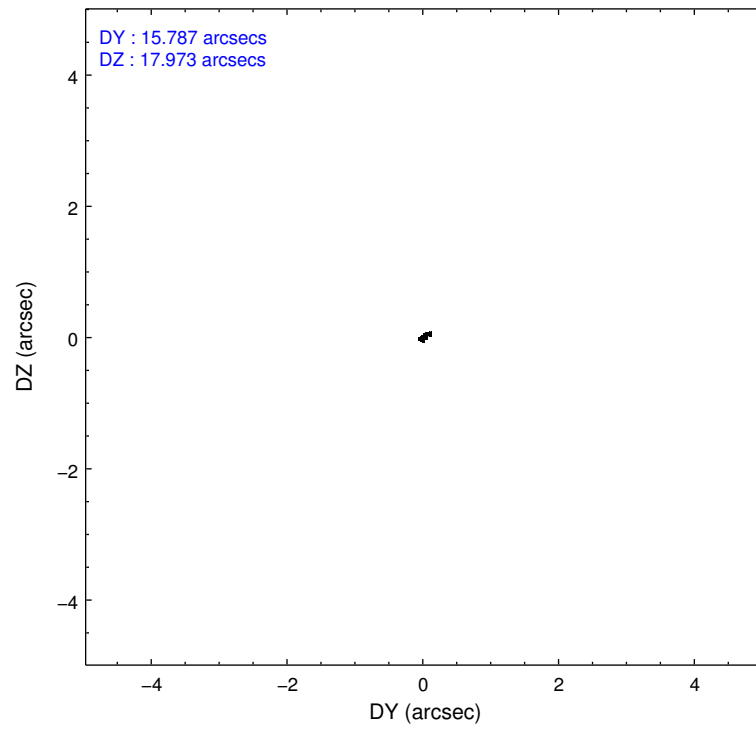
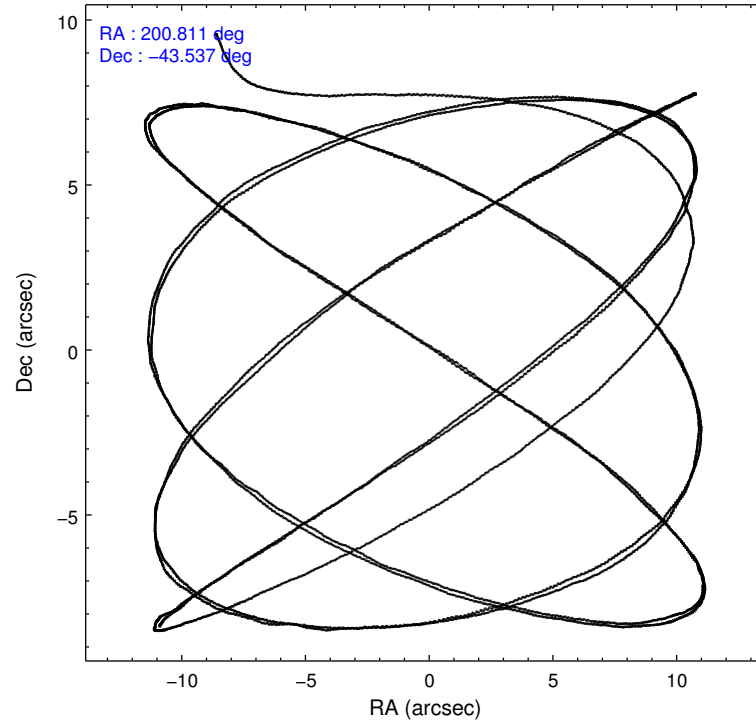
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	45621	46588	51875	49750	71564
rejected events	39240	39840	45439	43456	41749
rejected %	86%	85%	87%	87%	58%

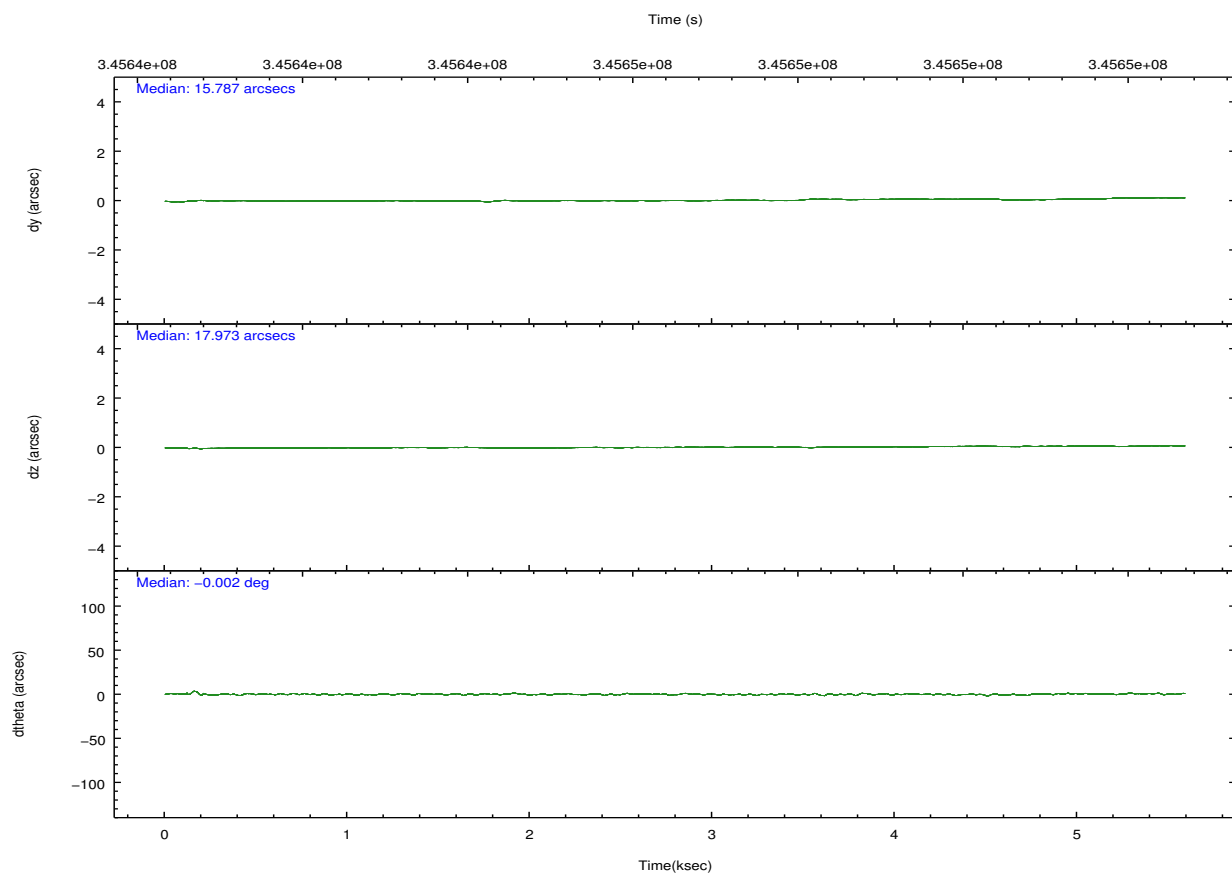
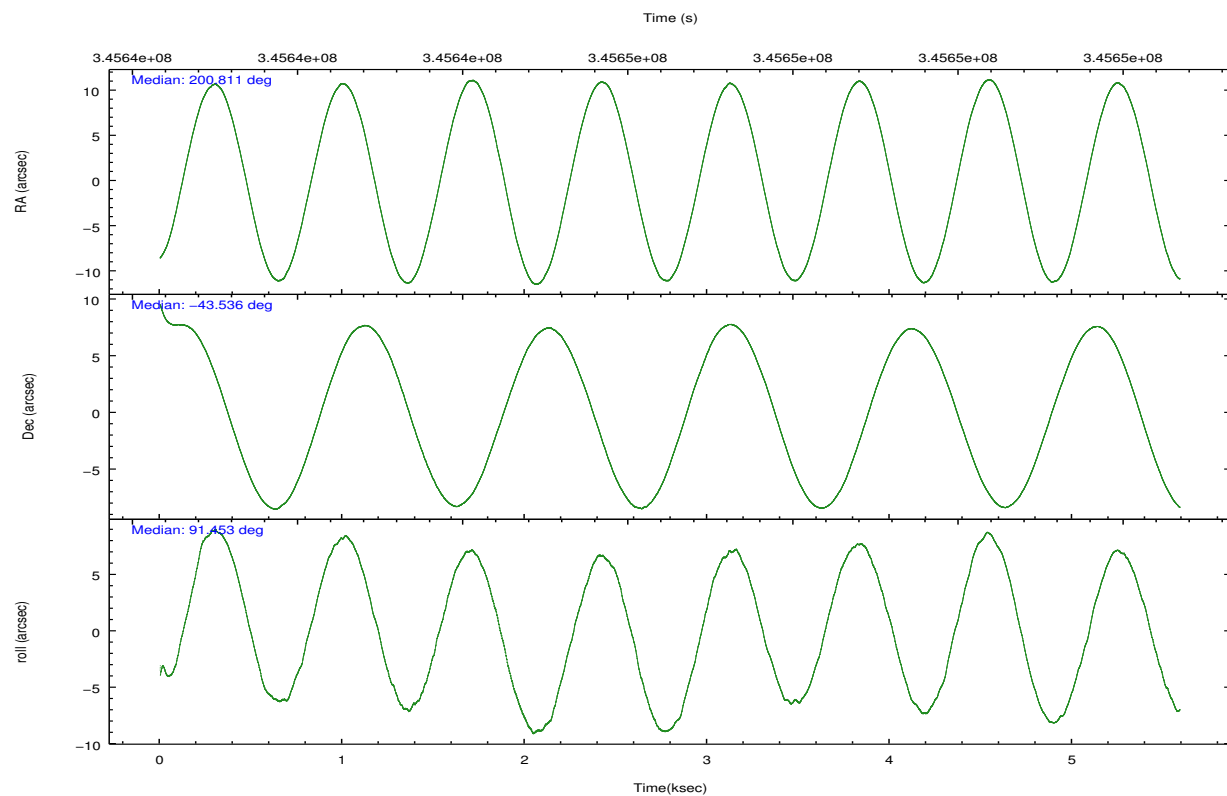
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	2867	2642	2946	2785	2515
	6%	5%	5%	5%	3%
grade 1 events	27	15	38	43	76
	0%	0%	0%	0%	0%
grade 2 events	1390	1574	1363	1216	6125
	3%	3%	2%	2%	8%
grade 3 events	591	604	521	586	2528
	1%	1%	1%	1%	3%
grade 4 events	527	583	563	616	2438
	1%	1%	1%	1%	3%
grade 5 events	2117	2338	2152	2485	6581
	4%	5%	4%	4%	9%
grade 6 events	1015	1346	1046	1093	16226
	2%	2%	2%	2%	22%
grade 7 events	37087	37486	43246	40926	35075
	81%	80%	83%	82%	49%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	200.830932	200.8110348747045	CCD I2 on	Y	Y
[deg] Pointing Dec	-43.559930	-43.53647659336745	CCD I3 on	Y	Y
[deg] Pointing Roll	91.267900	91.46287374681918	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	N
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	345644051.184000	345642919.48541	CCD S5 on	N	N
Observation start date	2008-12-14T12:13:06	2008-12-14T11:55:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	345649051.184000	345649876.16075	On-chip summing requested	N	N
Observation end date	2008-12-14T13:36:26	2008-12-14T13:51:16	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



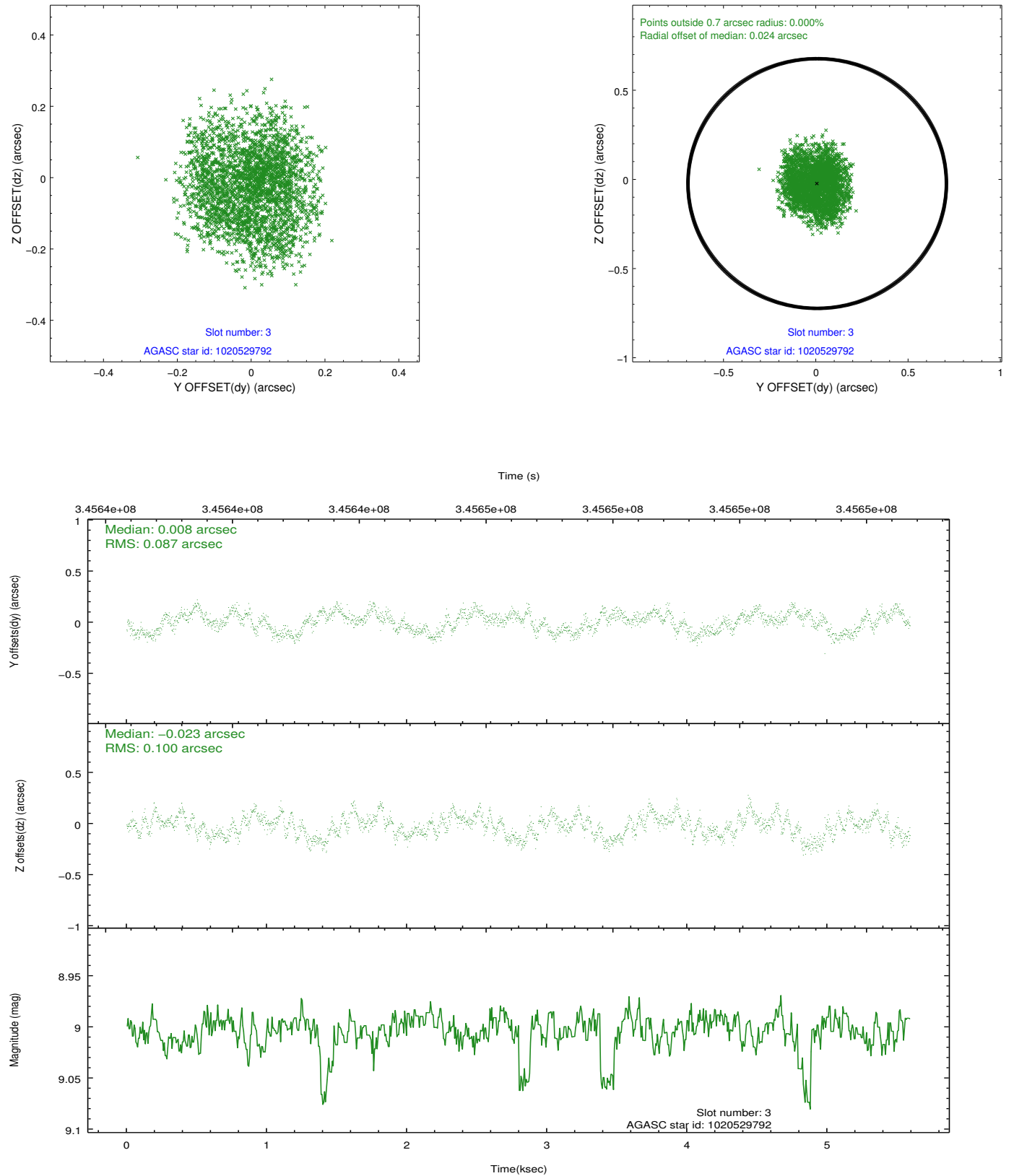


Slot Statistics

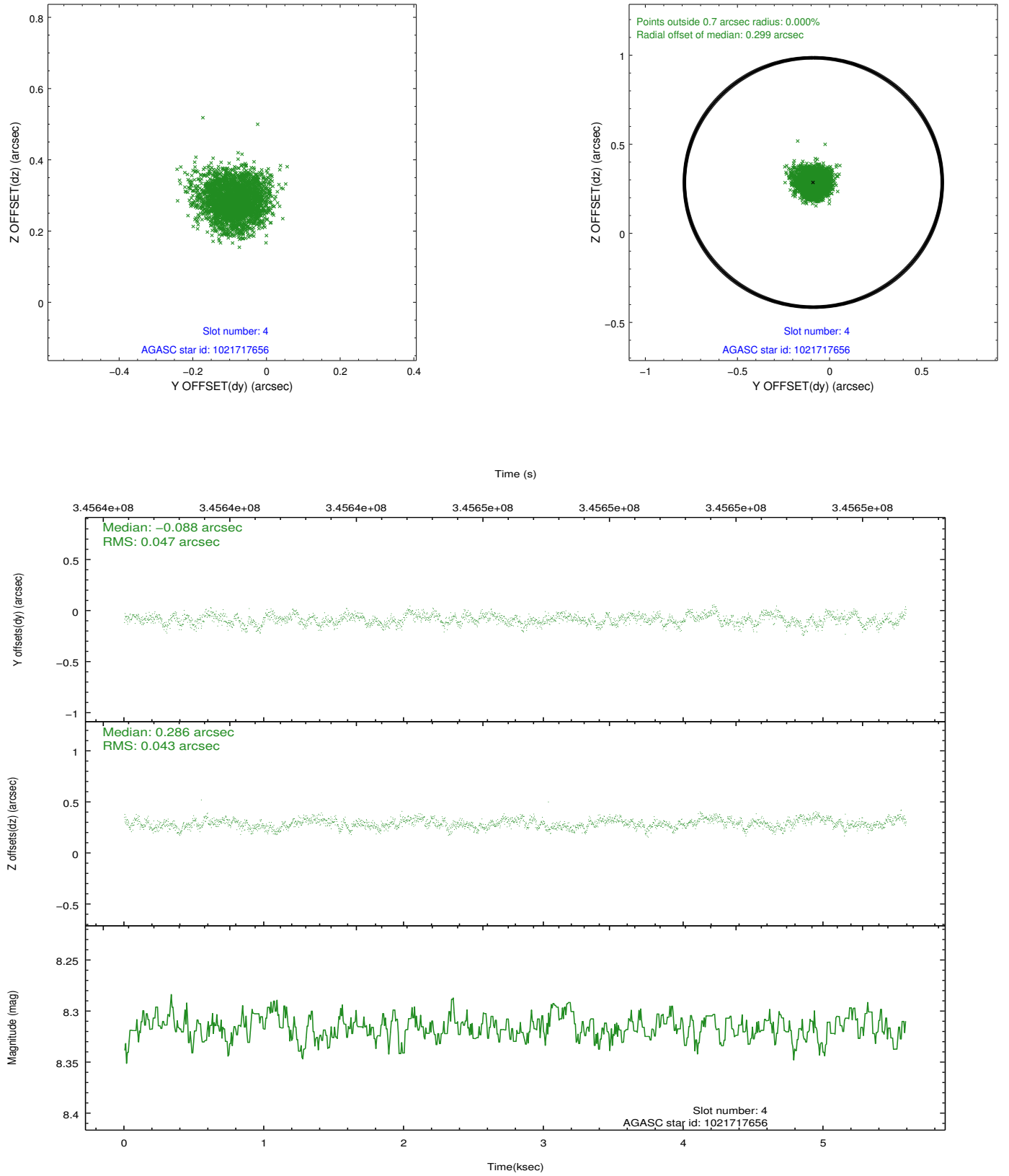
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1364	-0.014	-0.003	0.009	0.022	0.000000	0.000000	923.62	-841.65
1	FID	ACIS-I-4	6.97	1364	0.134	0.032	0.008	0.015	0.000000	0.000000	2144.40	1057.65
2	FID	ACIS-I-5	7.00	1364	-0.218	0.041	0.008	0.018	0.000000	0.000000	-1823.21	1056.72
3	GUIDE	1020529792	9.00	2710	0.008	-0.023	0.147	0.215	199.929120	-43.491556	285.08	2349.57
4	GUIDE	1021717656	8.32	2725	-0.088	0.286	0.069	0.107	201.139642	-43.082878	1697.72	-847.98
5	GUIDE	1021719704	7.57	2728	-0.026	-0.146	0.072	0.119	200.511976	-43.050426	1851.14	798.17
6	GUIDE	1022234256	8.07	2662	-0.054	-0.102	0.075	0.114	200.125812	-43.435477	481.20	1833.67
7	GUIDE	1022249272	7.16	2727	0.163	-0.016	0.080	0.132	200.357938	-43.634332	-244.03	1239.07

2.4 Star Slots

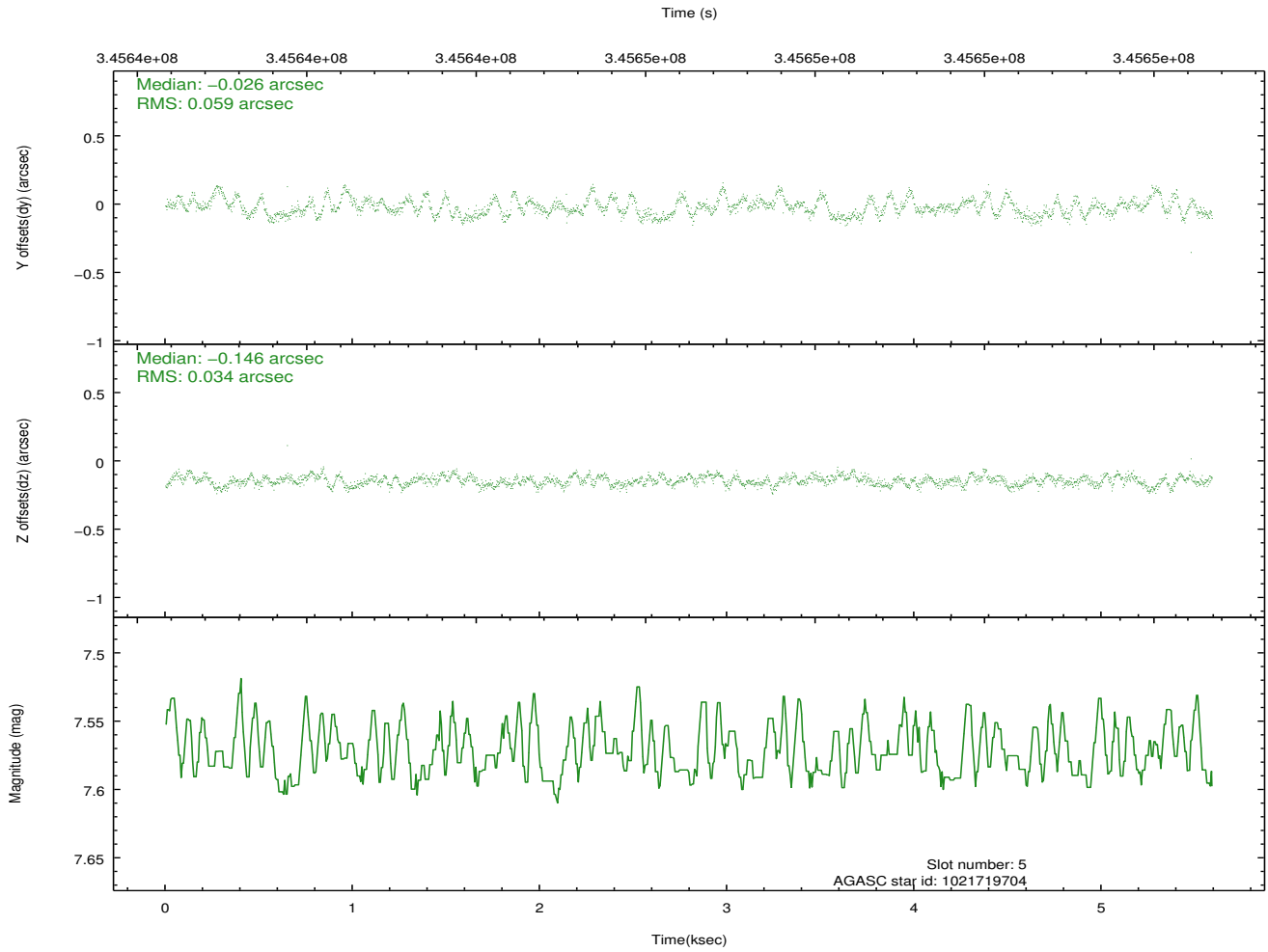
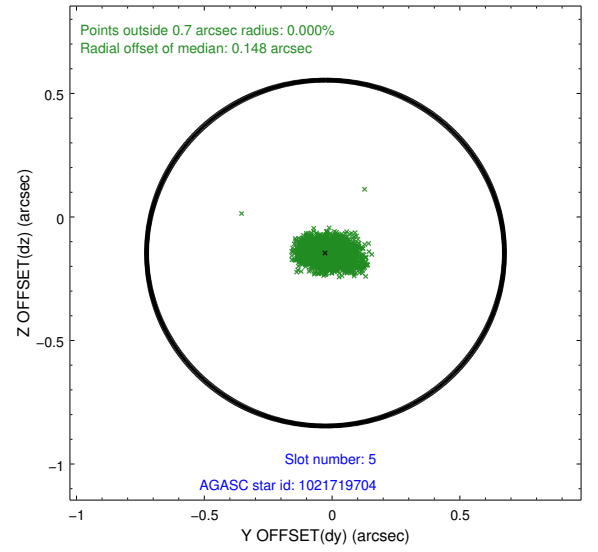
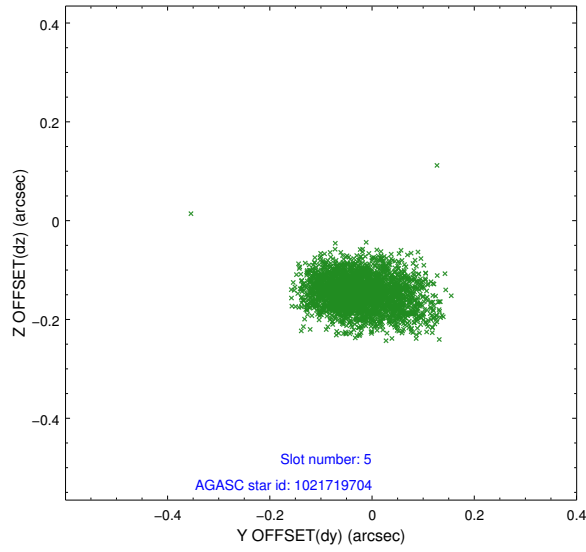
2.4.1 Slot 3



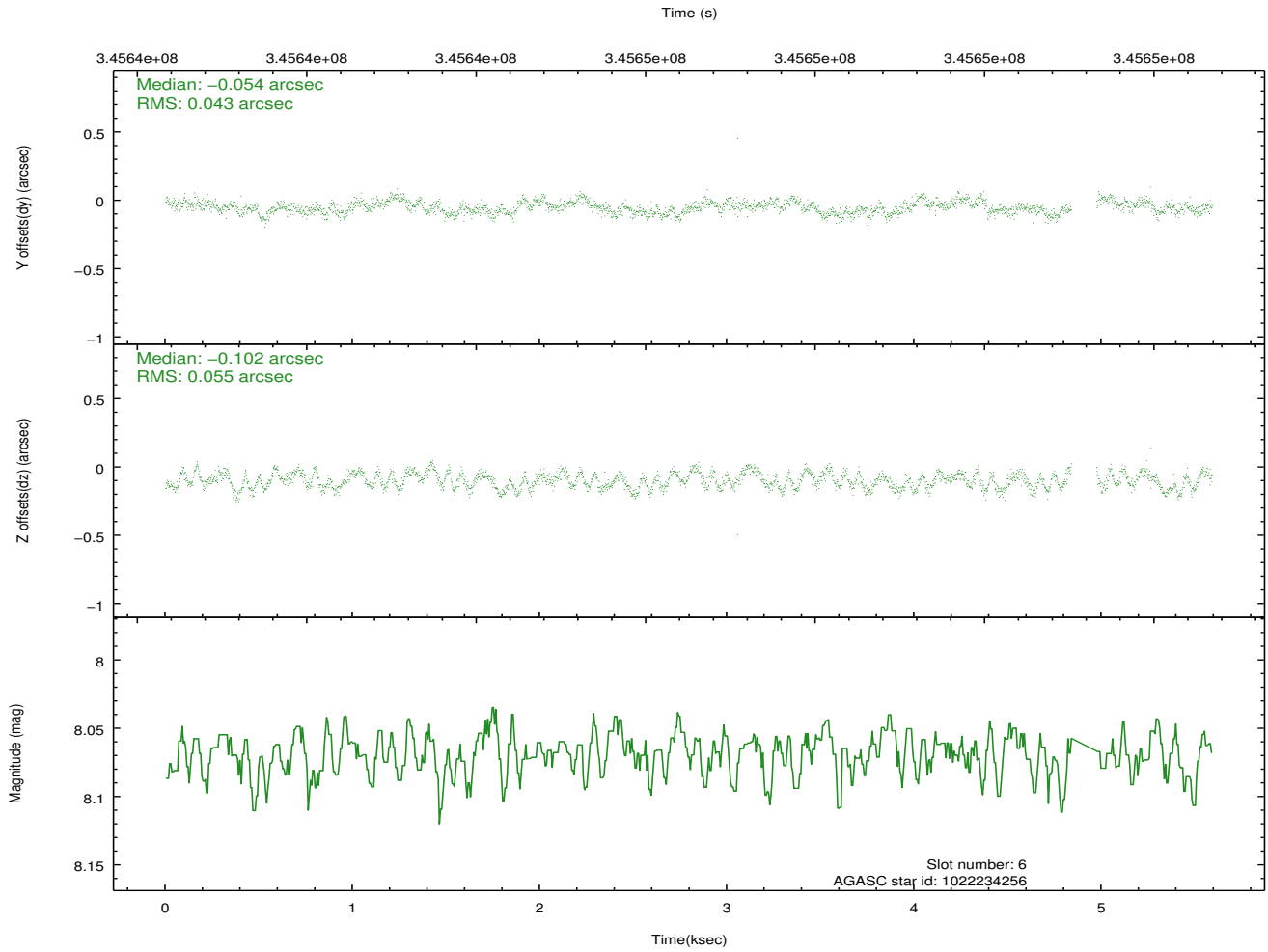
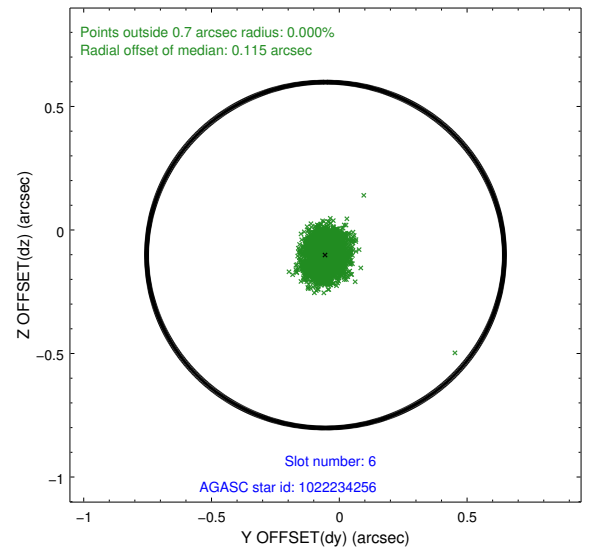
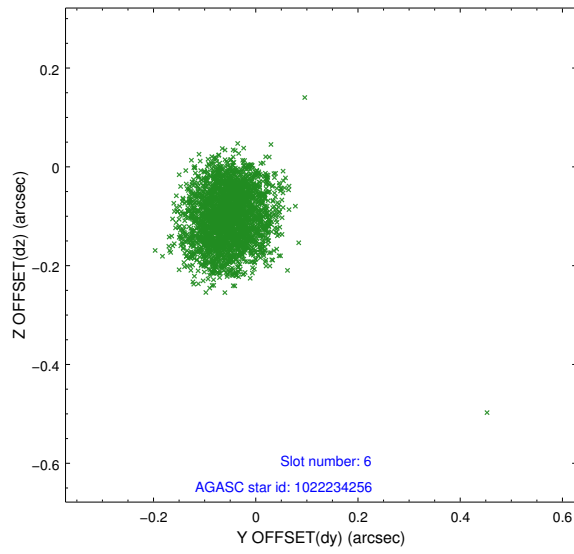
2.4.2 Slot 4



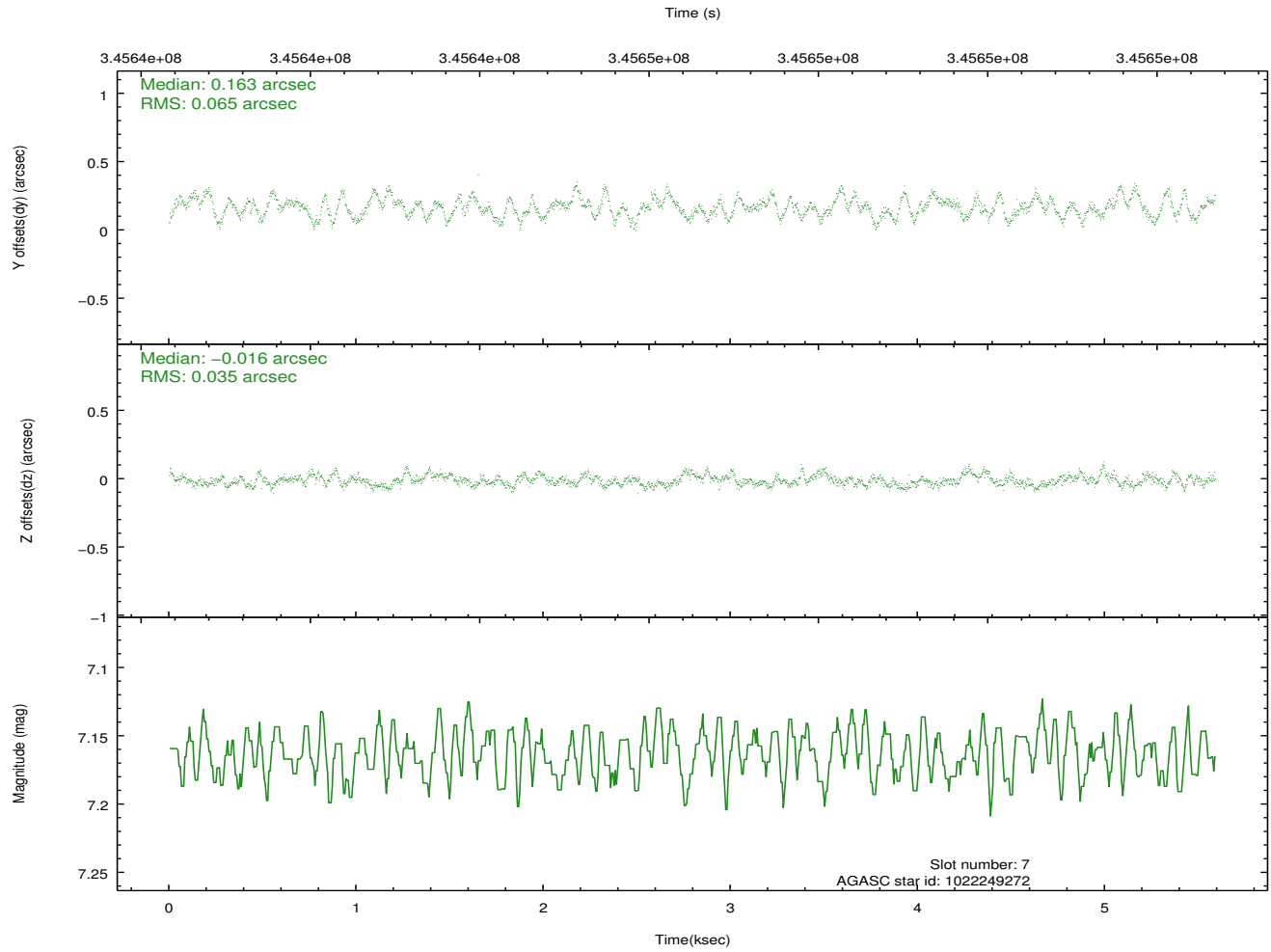
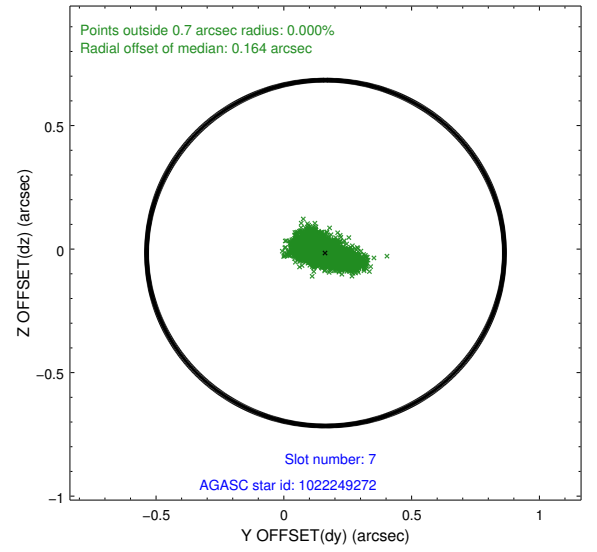
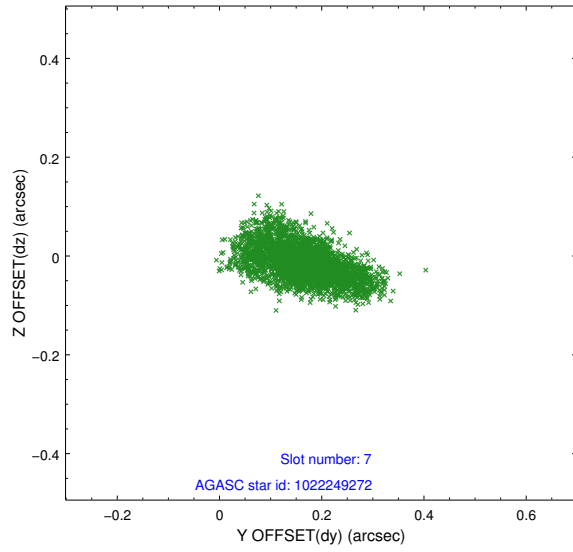
2.4.3 Slot 5



2.4.4 Slot 6

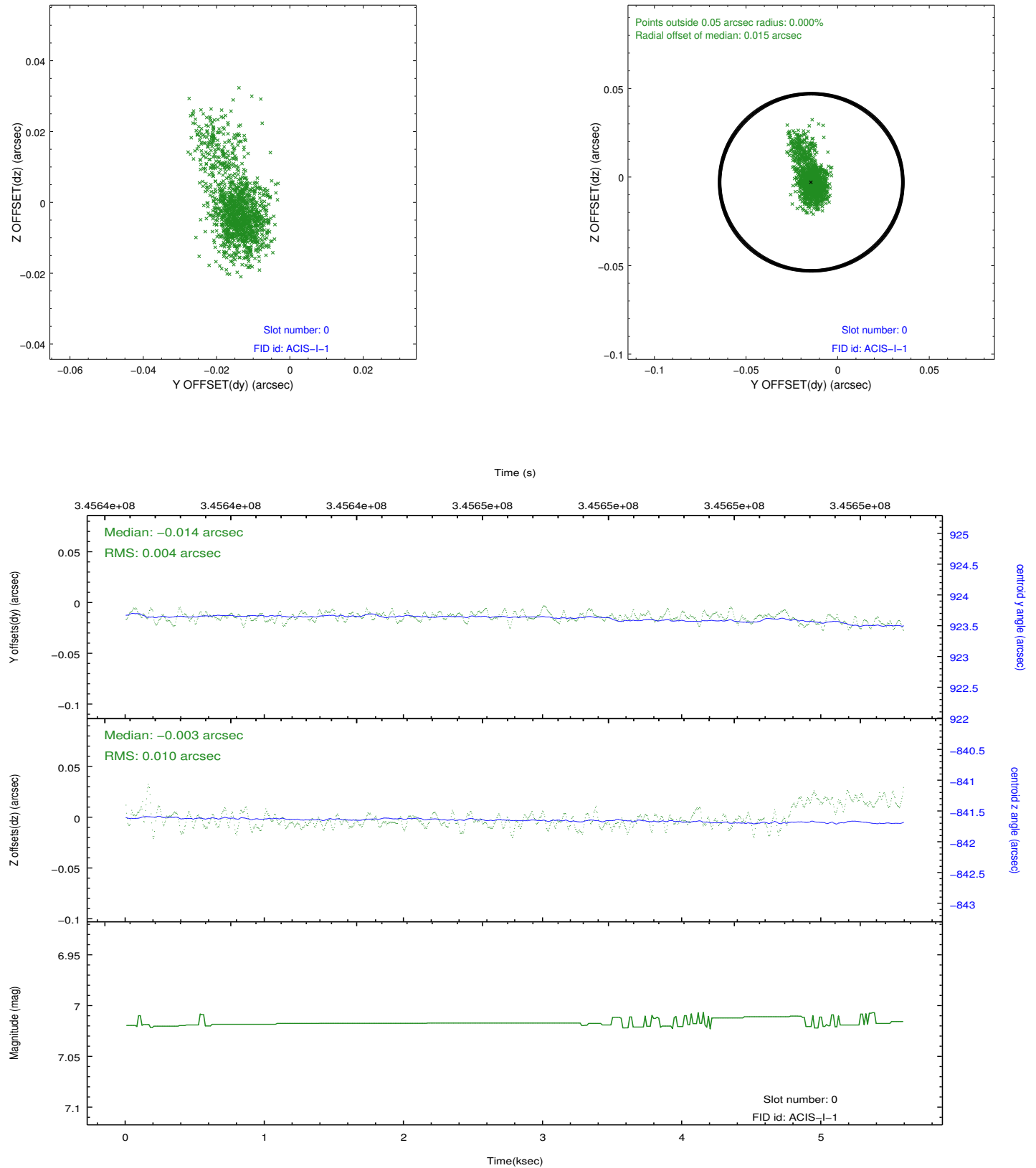


2.4.5 Slot 7

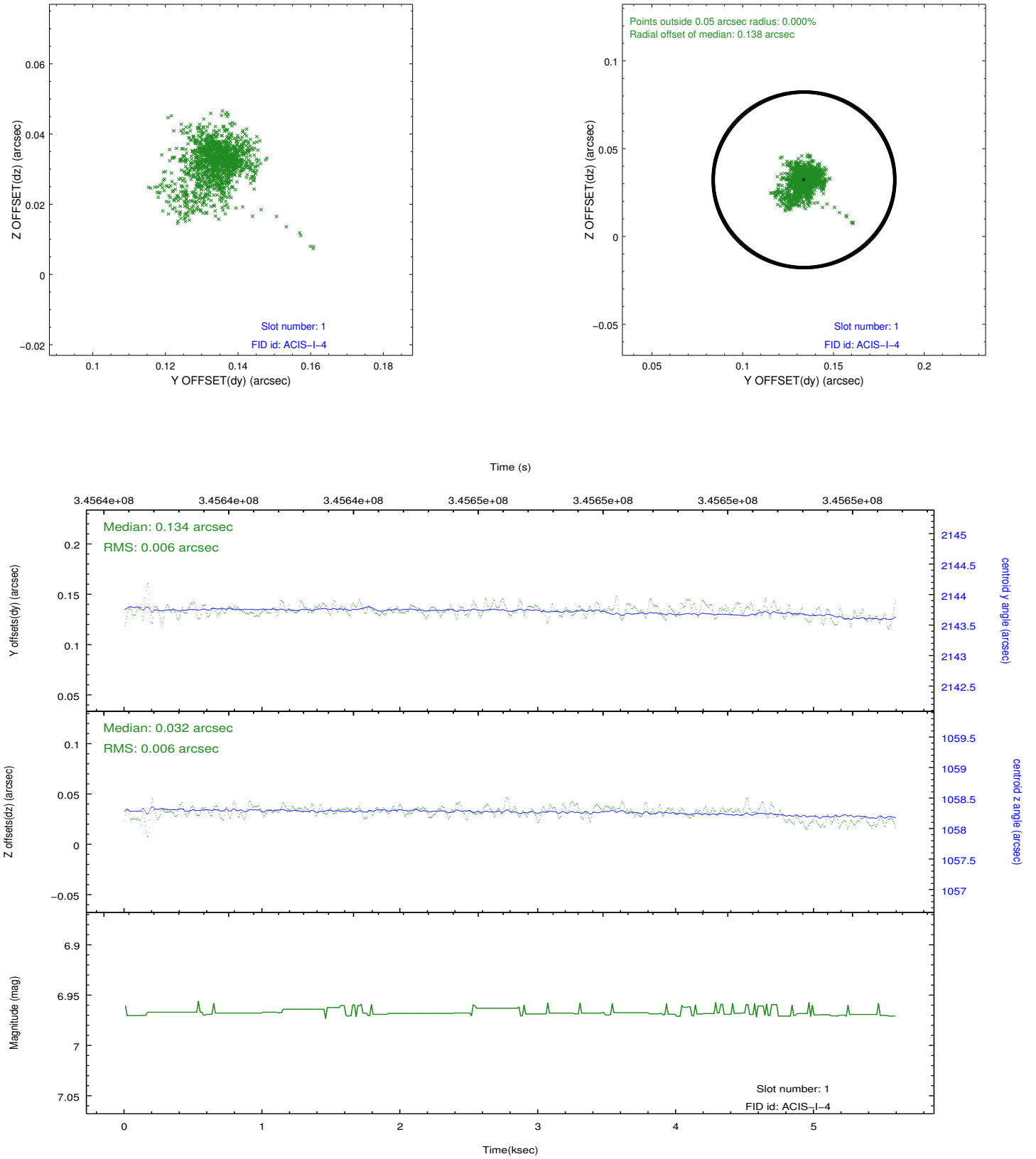


2.5 FID Slots

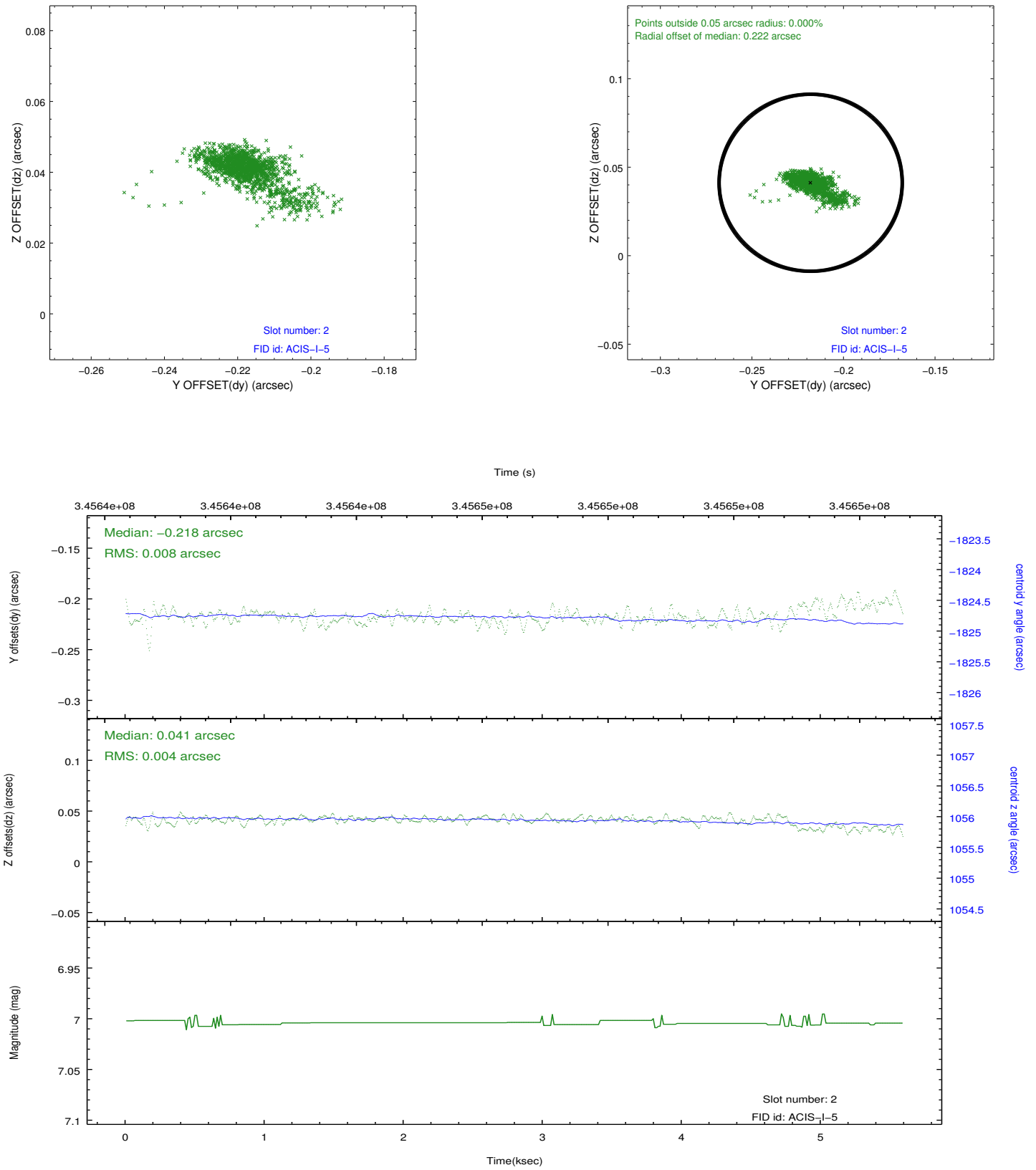
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.03440003

A.2 Comments