

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7523 - L2 Version 2
Chandra X-Ray Center

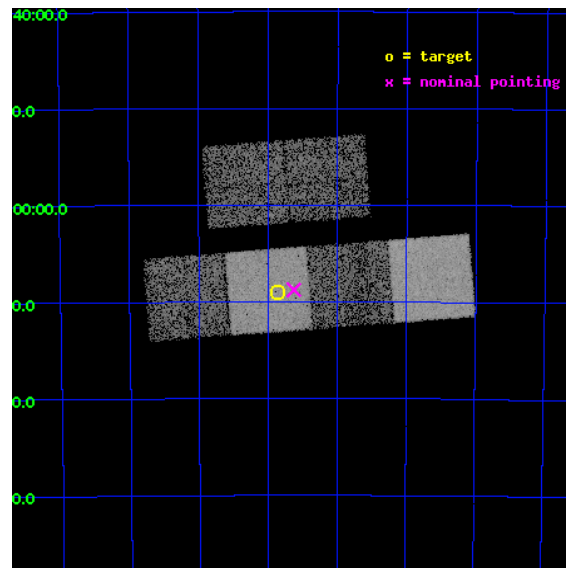
L2 Processing Date : May 1 2012

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

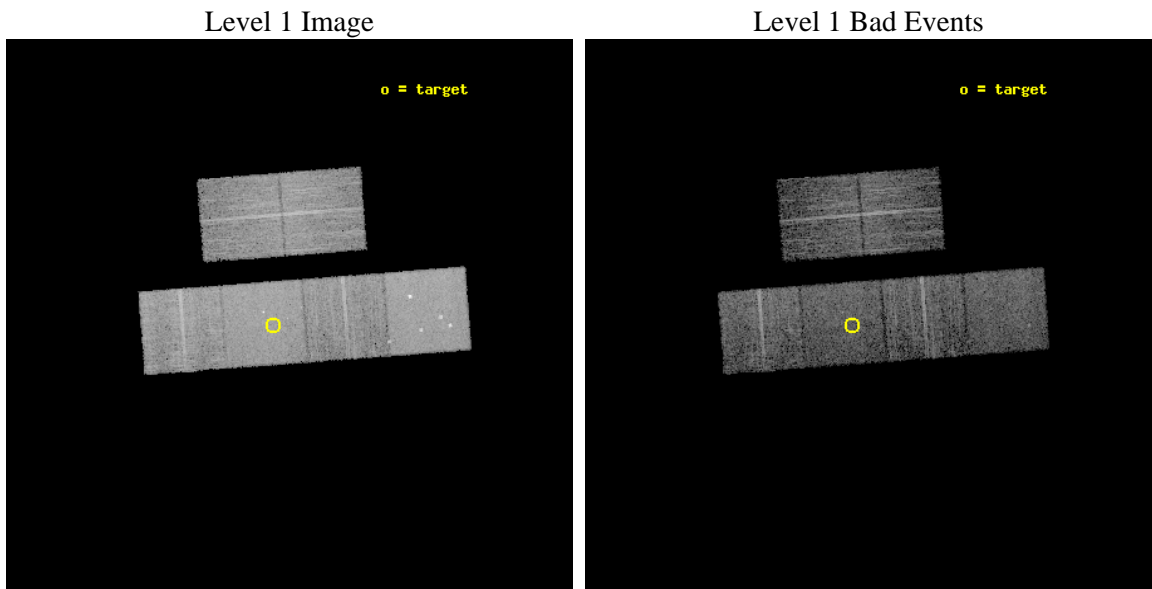
seq_num	400633	Sequence number
obs_id	7523	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J11435-6109	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.966667	Observer's specified target RA [deg]
dec_targ	-61.15	Observer's specified target Dec [deg]
ra_nom	175.90675066981	Nominal RA [deg]
dec_nom	-61.146030836757	Nominal Dec [deg]
roll_nom	175.60074440544	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5158.3999808431	Sum of GTIs [s]
livetime	5093.0812142701	Livetime [s]
ontime2	5158.3999808431	Sum of GTIs [s]
ontime3	5158.3999808431	Sum of GTIs [s]
ontime5	5158.3999808431	Sum of GTIs [s]
ontime6	5158.3999808431	Sum of GTIs [s]
ontime7	5158.3999808431	Sum of GTIs [s]
ontime8	5158.3999808431	Sum of GTIs [s]
l2events	83258	Number of level 2 events



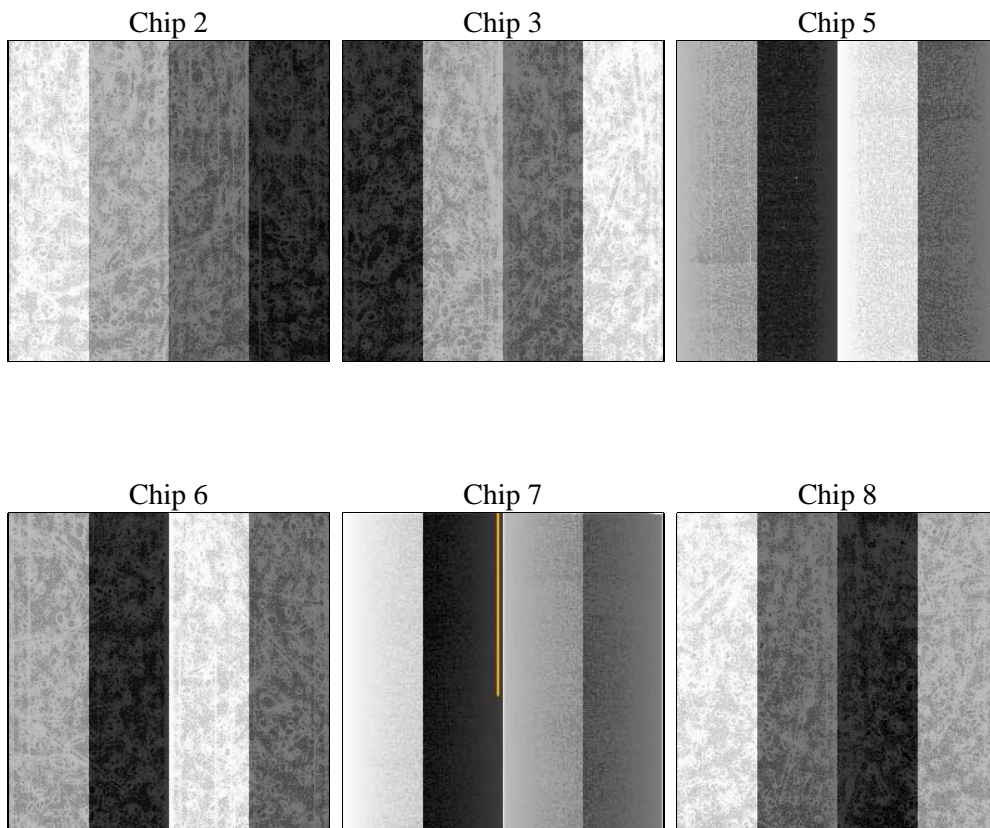
2 OBI

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	5158.3999808431	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5158.3999808431	Sum of GTIs [s]
date	2012-05-01T20:18:42	Date and time of file creation	ontime3	5158.3999808431	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5158.3999808431	Sum of GTIs [s]
			ontime6	5158.3999808431	Sum of GTIs [s]
			ontime7	5158.3999808431	Sum of GTIs [s]
			ontime8	5158.3999808431	Sum of GTIs [s]
			l1events	370461	Number of level 1 events

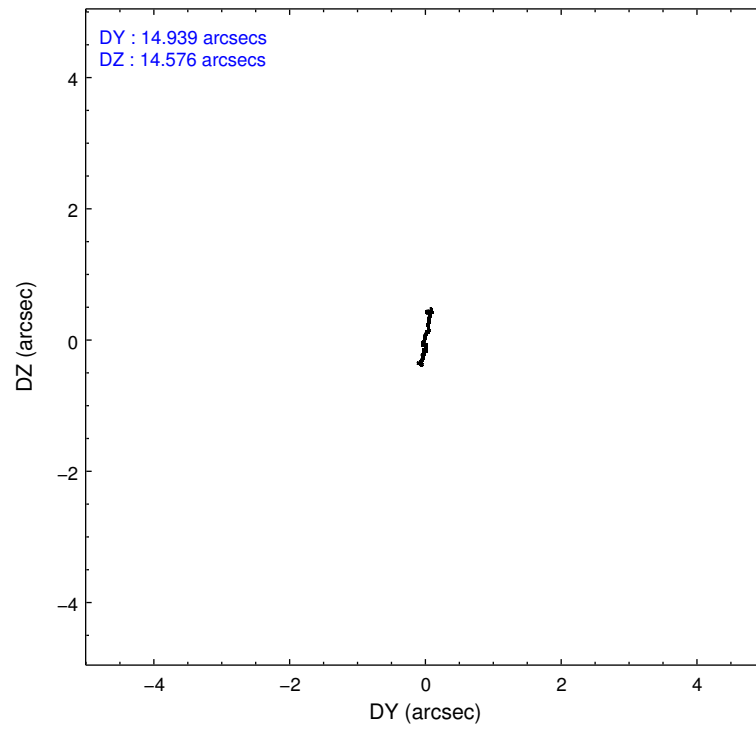
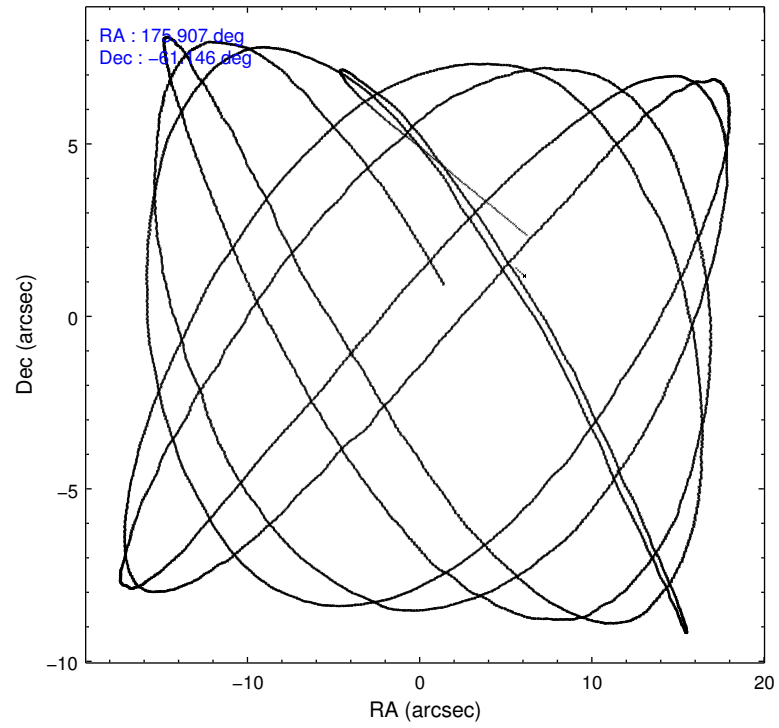
2.1.4 Events

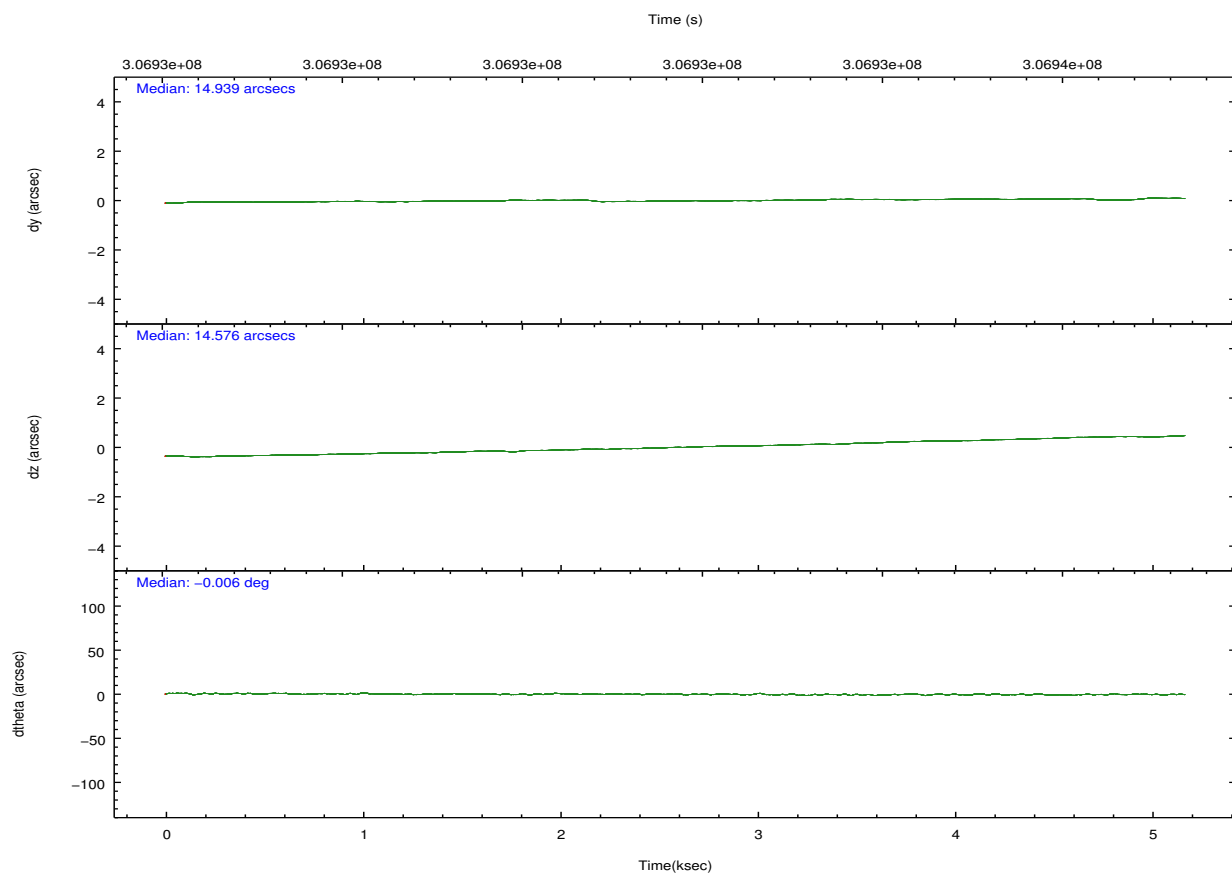
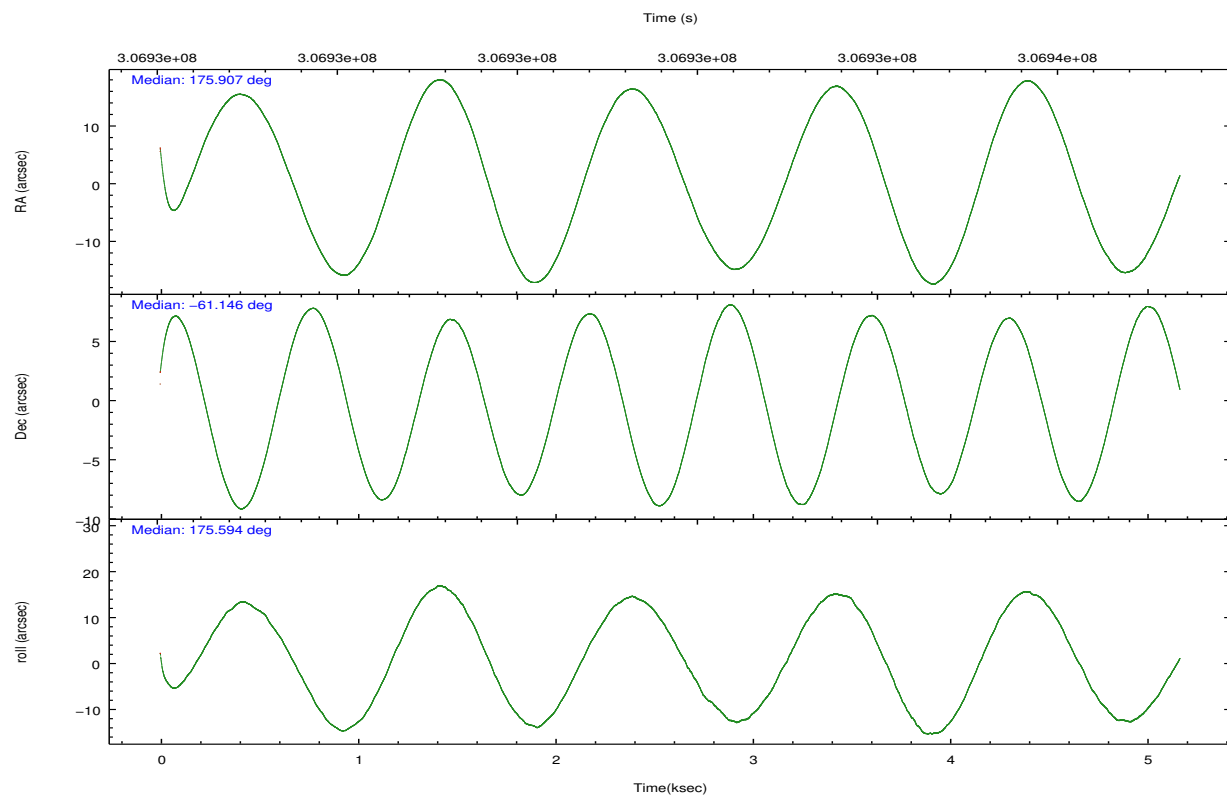
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	53640	49377	80422	50918	71260	64844	grade 0 events	2738	2691	5493	2481	2652	4578
rejected events	47673	43395	42860	44948	41807	50125		5%	5%	6%	4%	3%	7%
rejected %	88%	87%	53%	88%	58%	77%	grade 1 events	46	34	254	26	76	59
								0%	0%	0%	0%	0%	0%
							grade 2 events	1277	1210	11245	1337	6114	3525
								2%	2%	13%	2%	8%	5%
							grade 3 events	549	559	1277	537	2529	1462
								1%	1%	1%	1%	3%	2%
							grade 4 events	564	614	1265	536	2600	1370
								1%	1%	1%	1%	3%	2%
							grade 5 events	2086	2264	5368	2300	6502	3257
								3%	4%	6%	4%	9%	5%
							grade 6 events	976	1055	19125	1236	16167	4086
								1%	2%	23%	2%	22%	6%
							grade 7 events	45404	40950	36395	42465	34620	46507
								84%	82%	45%	83%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	175.957506	175.9067506698135	CCD I2 on	O2	Y
[deg] Pointing Dec	-61.133940	-61.14603083675686	CCD I3 on	Y	Y
[deg] Pointing Roll	175.488581	175.6007444054426	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[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	Y	Y
[s] Observation start time (MET)	306930434.184000	306929315.62501	CCD S5 on	N	N
Observation start date	2007-09-23T10:26:09	2007-09-23T10:08:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	306935434.184000	306936635.15036	On-chip summing requested	N	N
Observation end date	2007-09-23T11:49:29	2007-09-23T12:10:35	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



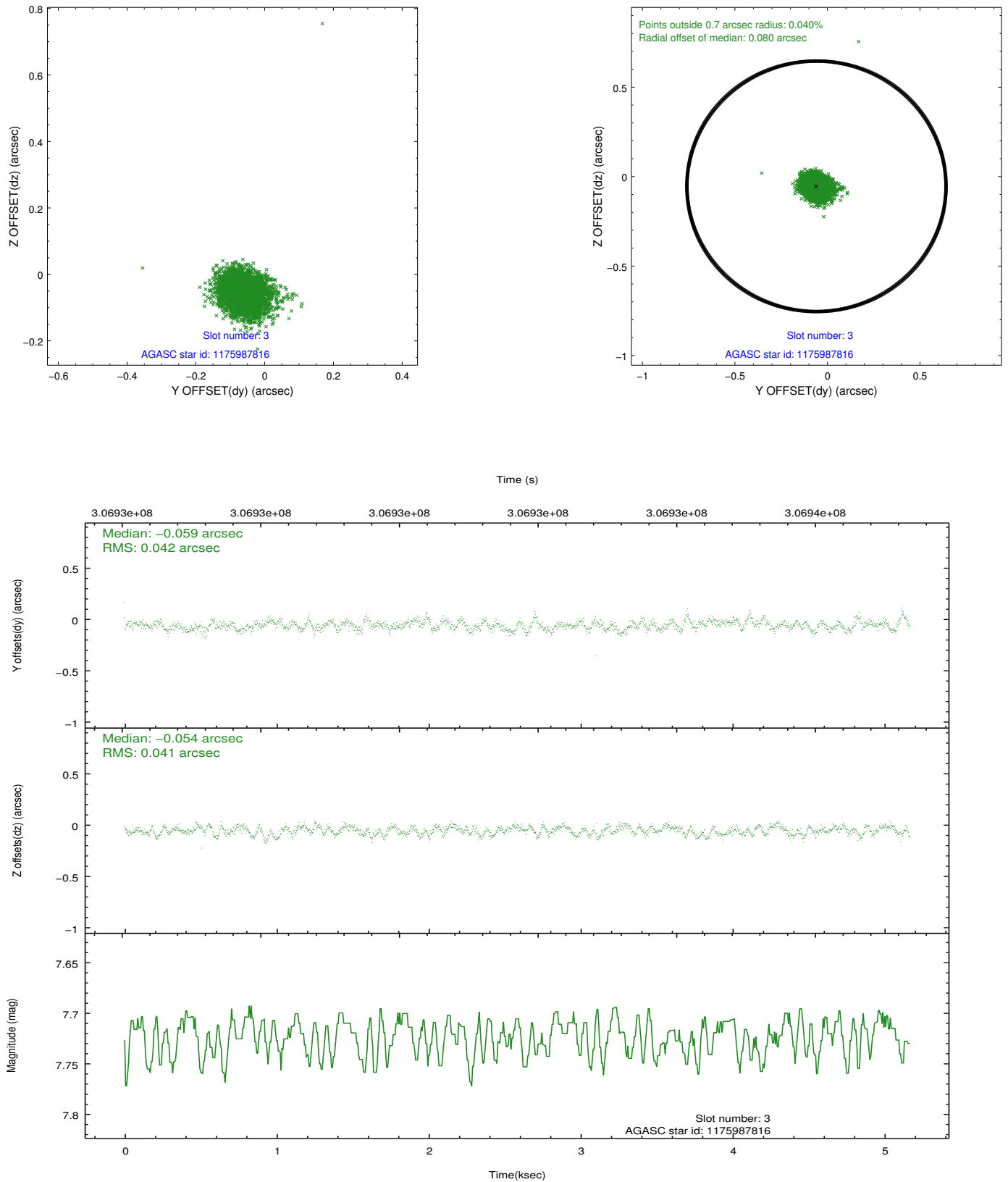


Slot Statistics

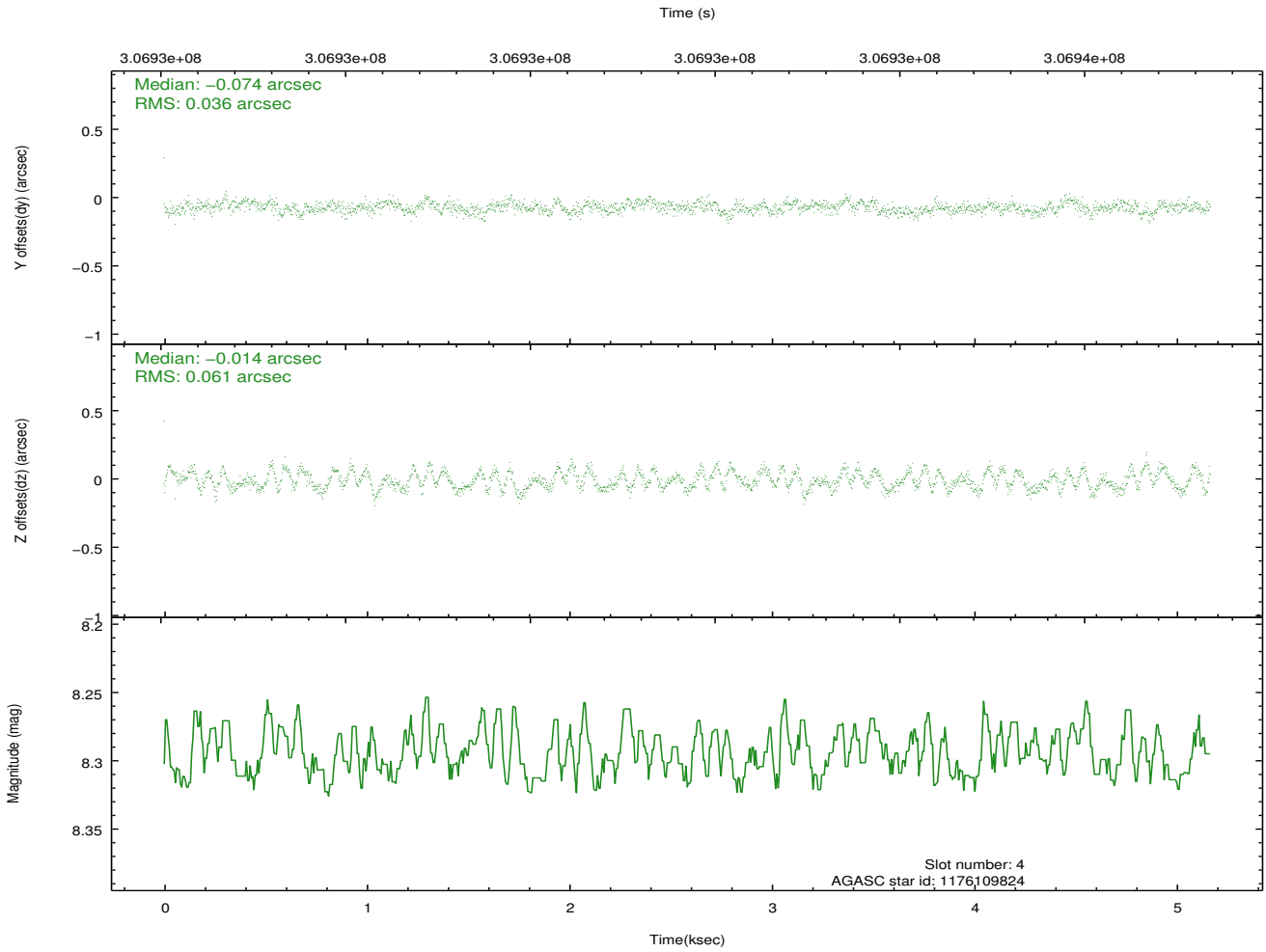
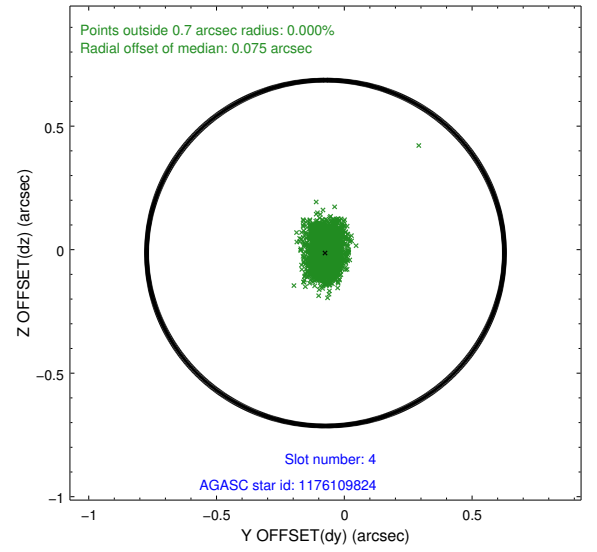
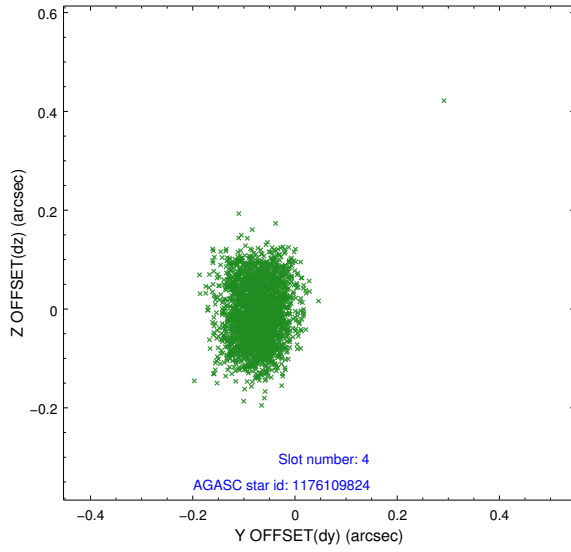
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1261	0.060	-0.038	0.013	0.023	0.000000	0.000000	928.19	-1731.57
1	FID	ACIS-S-5	7.22	1261	-0.145	0.030	0.007	0.012	0.000000	0.000000	-1820.36	164.83
2	FID	ACIS-S-6	7.33	1261	0.064	0.020	0.017	0.026	0.000000	0.000000	392.47	810.11
3	GUIDE	1175987816	7.72	2521	-0.059	-0.054	0.060	0.094	175.028658	-61.185744	1591.20	324.70
4	GUIDE	1176109824	8.30	2522	-0.074	-0.014	0.076	0.118	176.886781	-60.622660	-1491.12	-1951.99
5	GUIDE	1176109944	8.55	2520	-0.106	0.052	0.078	0.121	176.376862	-60.533293	-570.45	-2211.83
6	GUIDE	1176117168	8.20	2522	0.073	-0.070	0.062	0.099	176.728342	-61.696432	-1471.70	1922.35
7	GUIDE	1175993912	8.64	2521	0.160	0.087	0.086	0.135	175.138978	-60.476751	1633.11	-2233.82

2.4 Star Slots

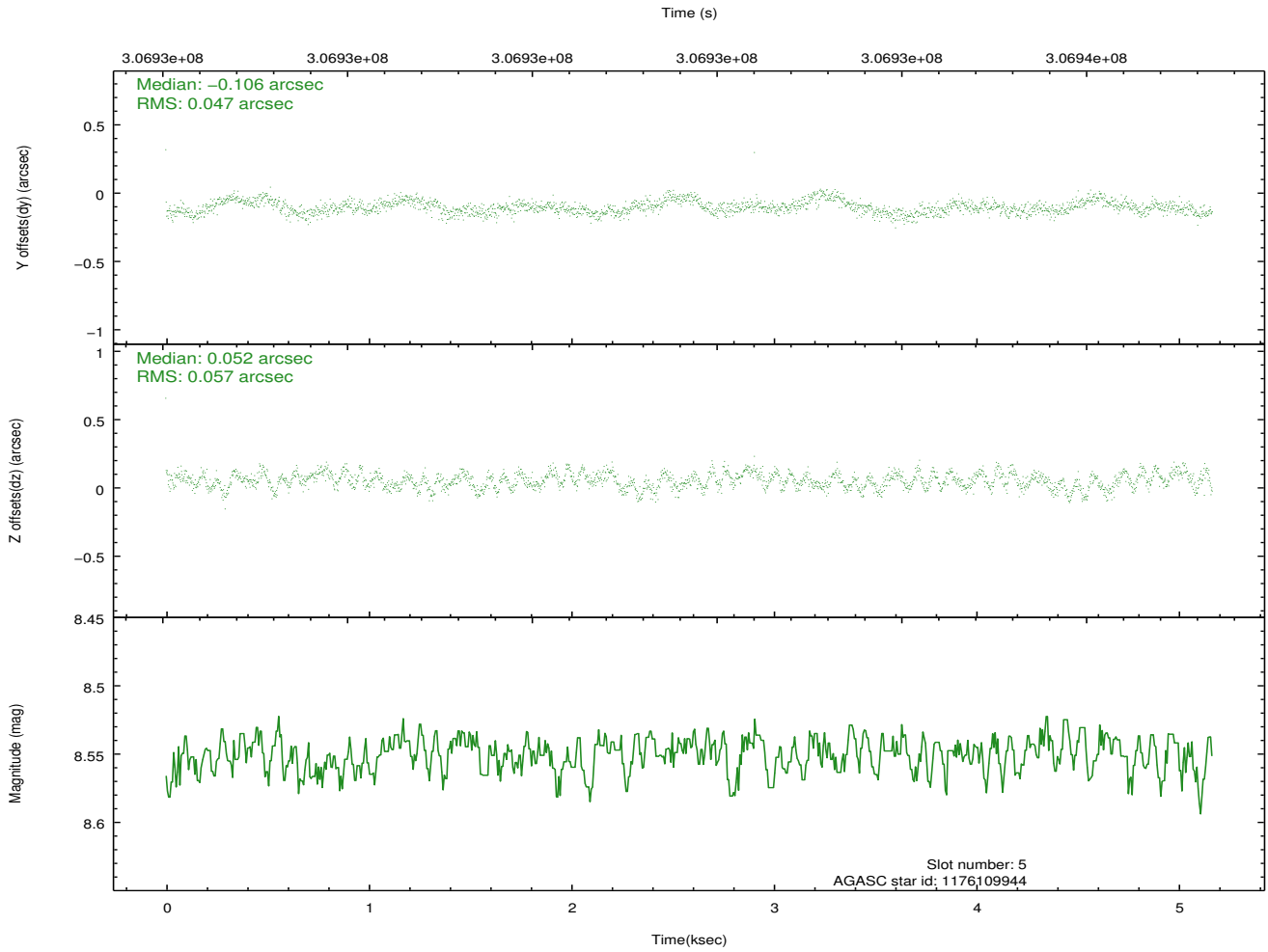
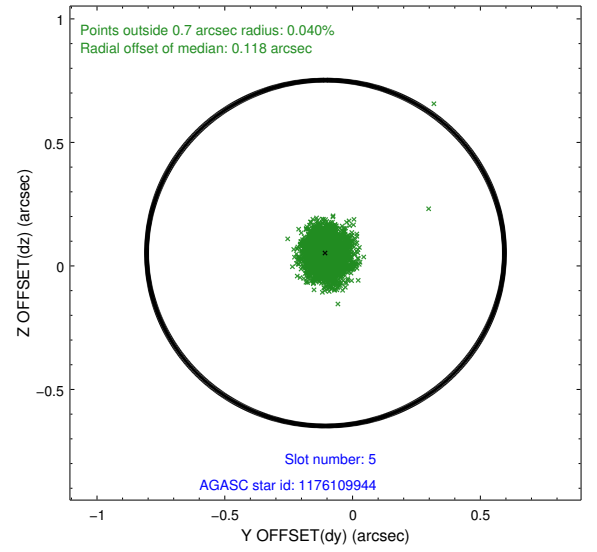
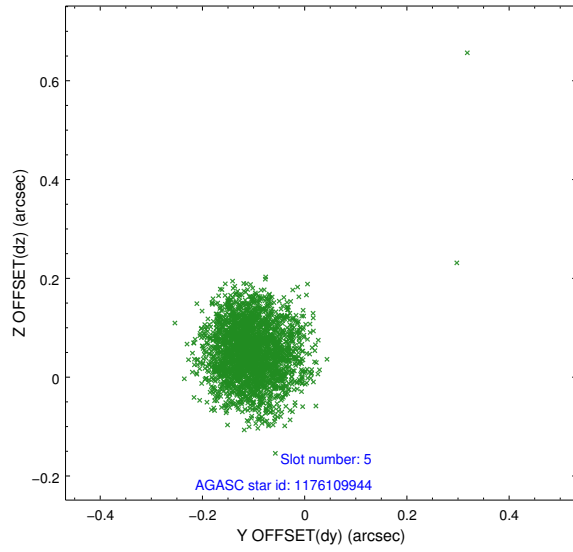
2.4.1 Slot 3



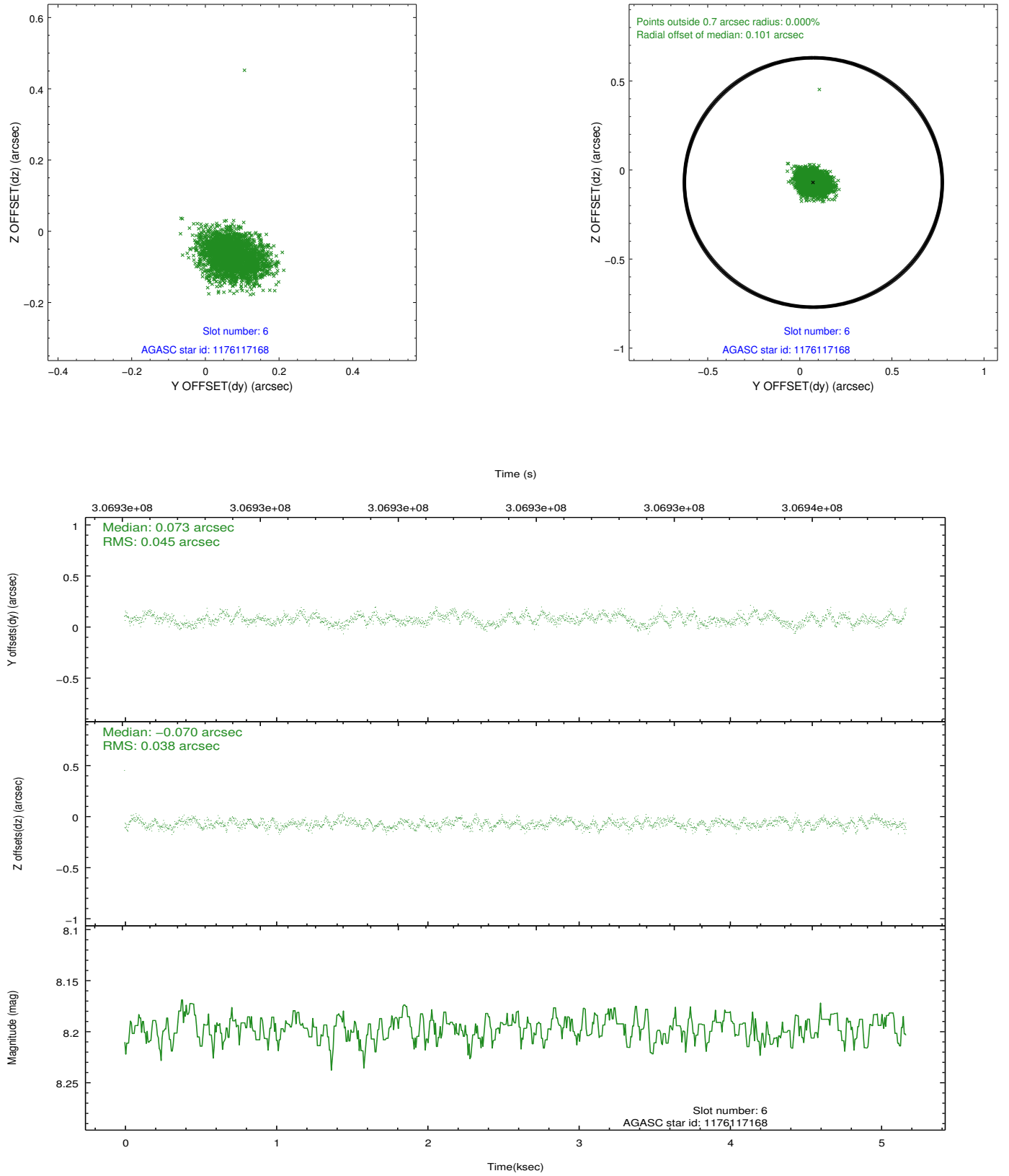
2.4.2 Slot 4



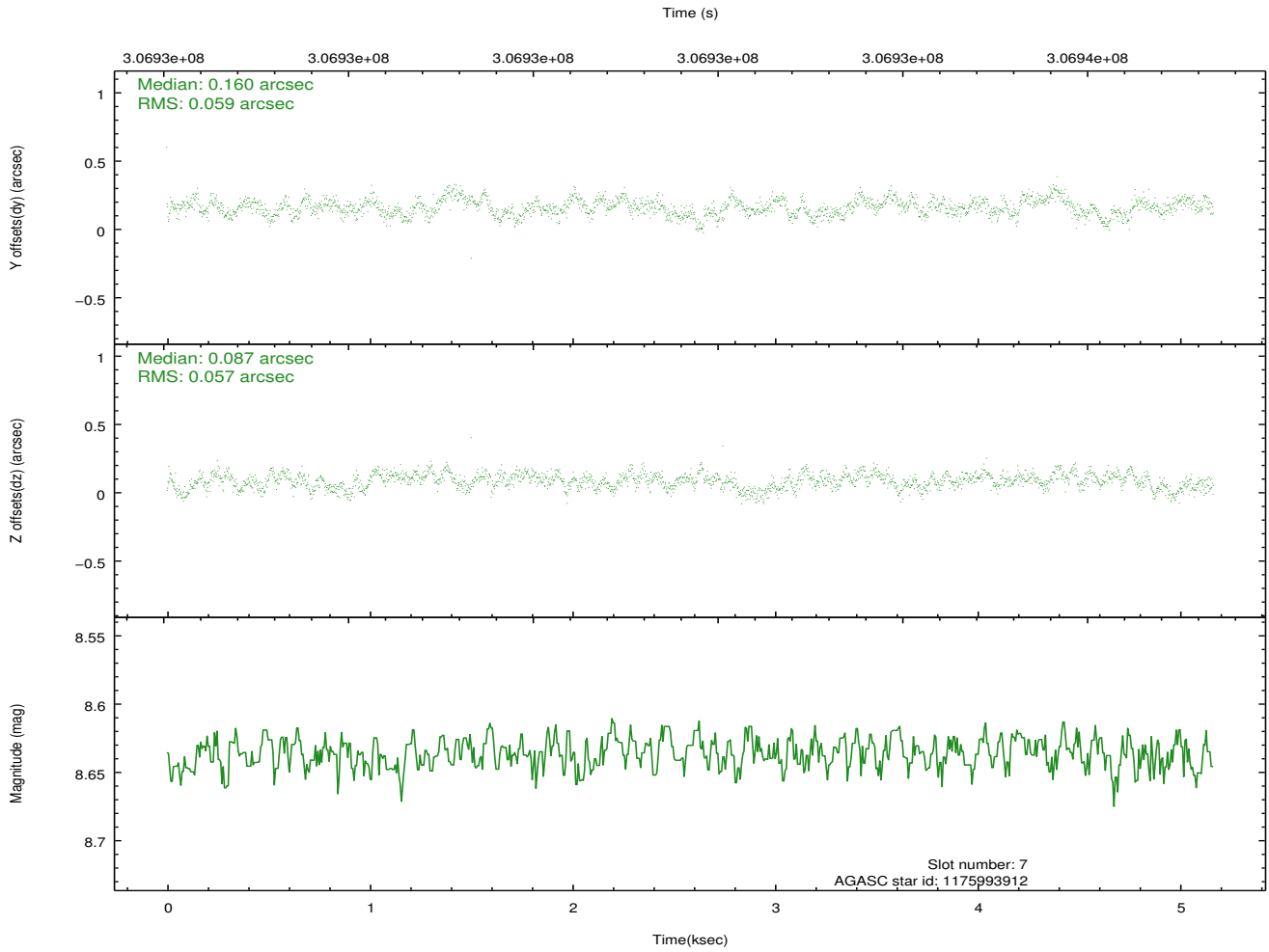
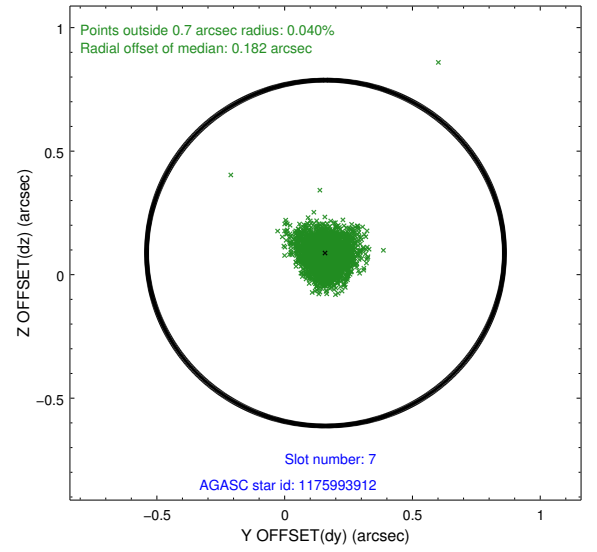
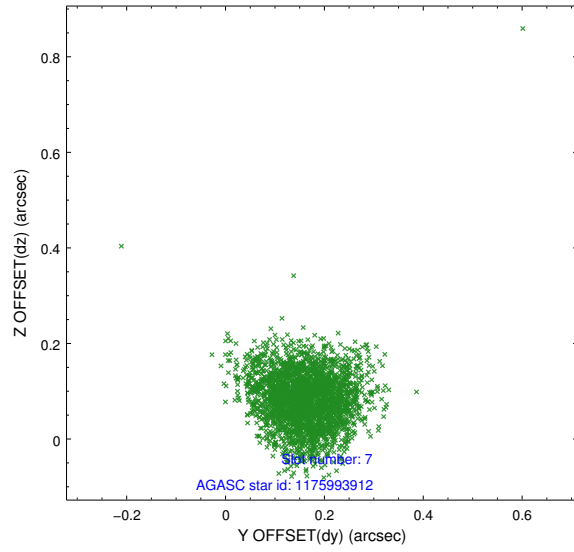
2.4.3 Slot 5



2.4.4 Slot 6

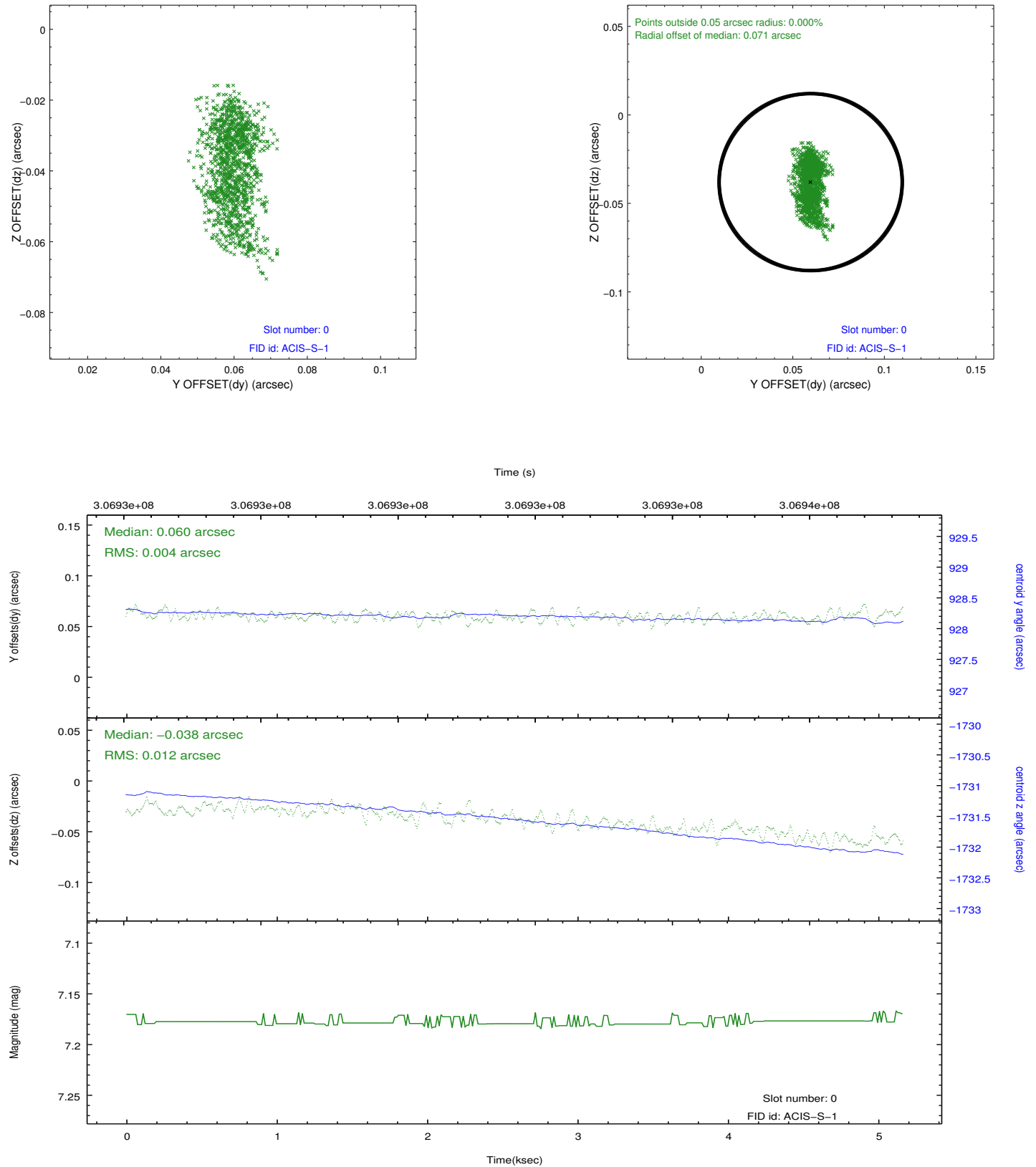


2.4.5 Slot 7

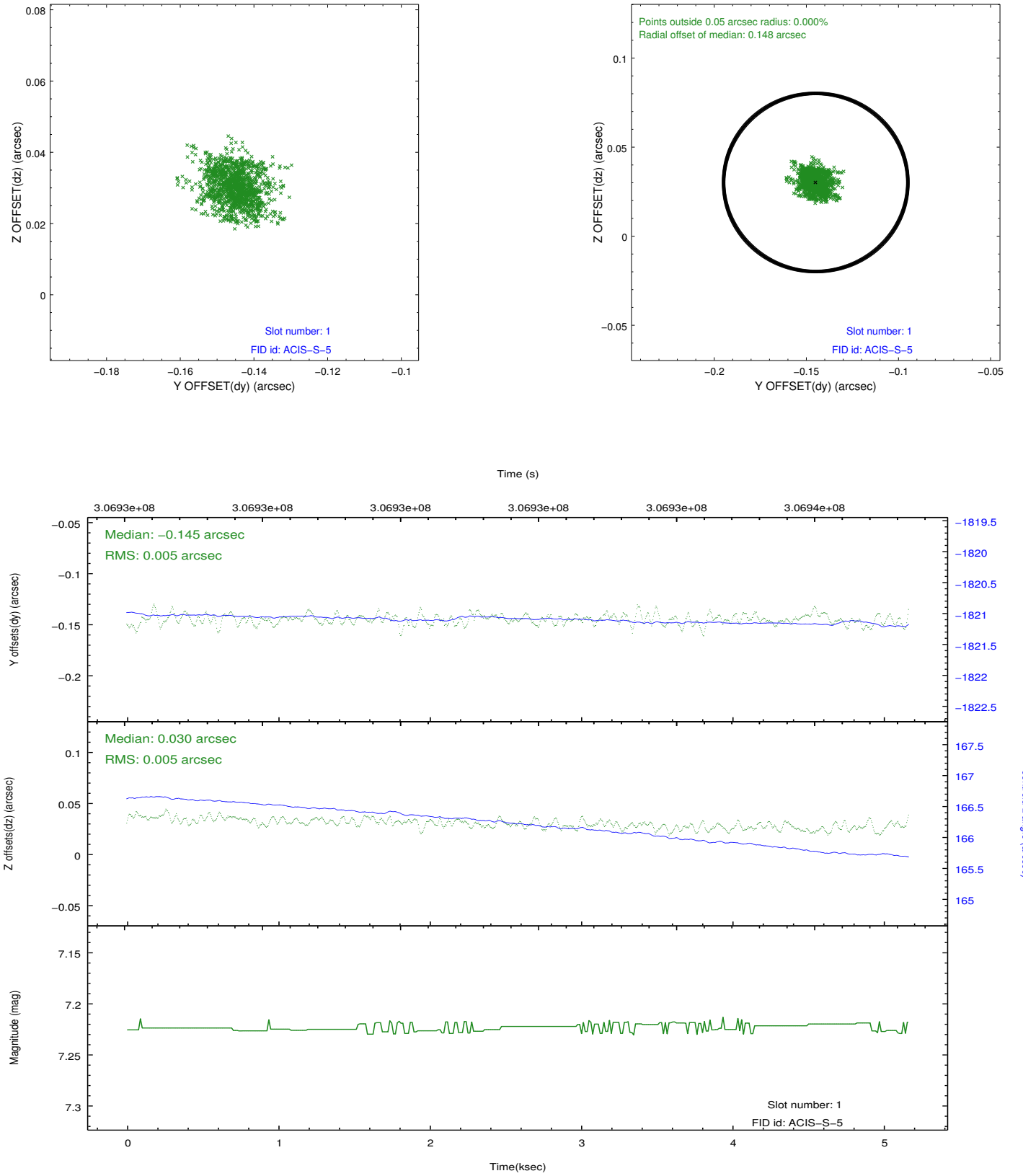


2.5 FID Slots

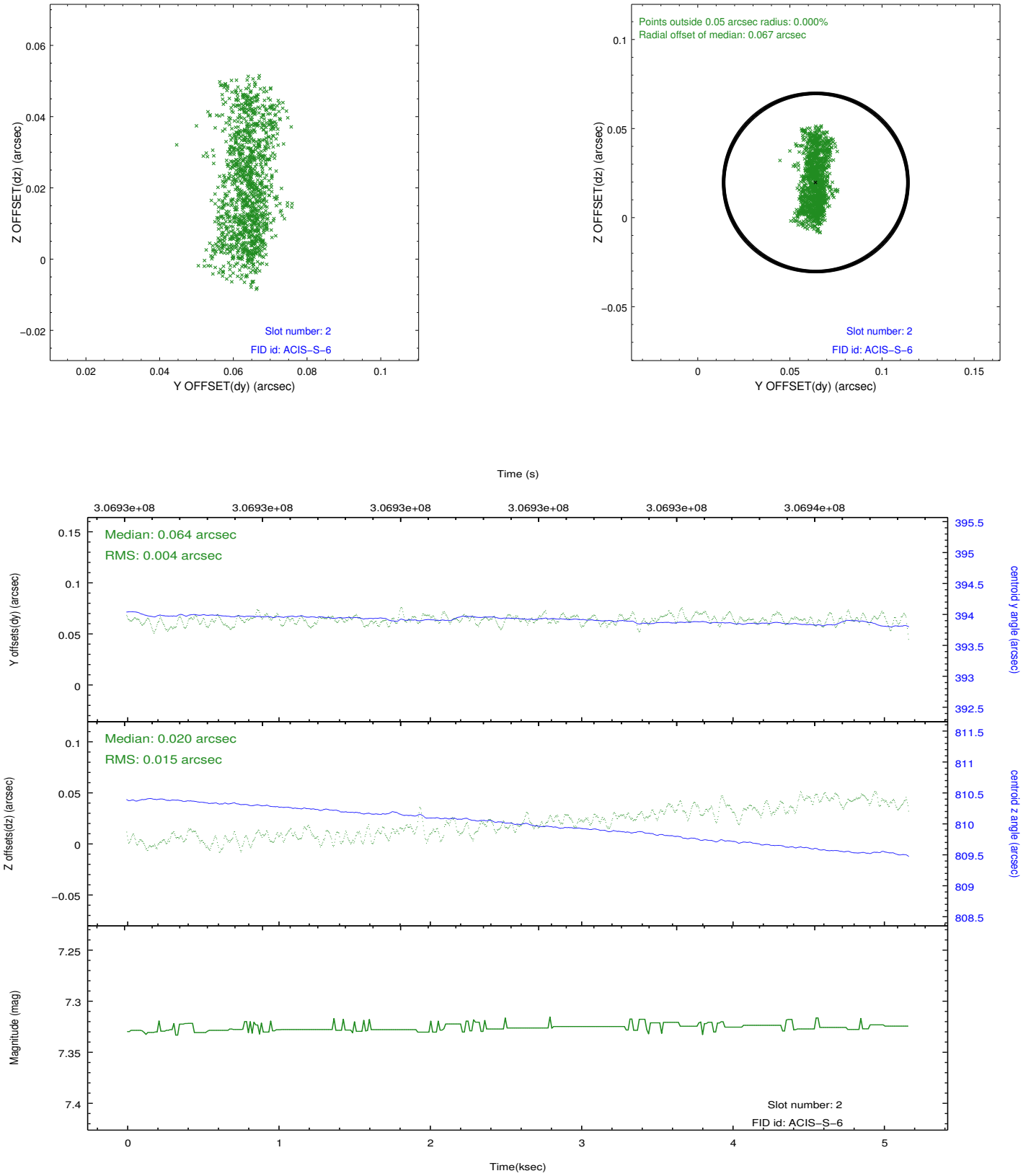
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15839998

A.2 Comments