

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7583 - L2 Version 2
Chandra X-Ray Center

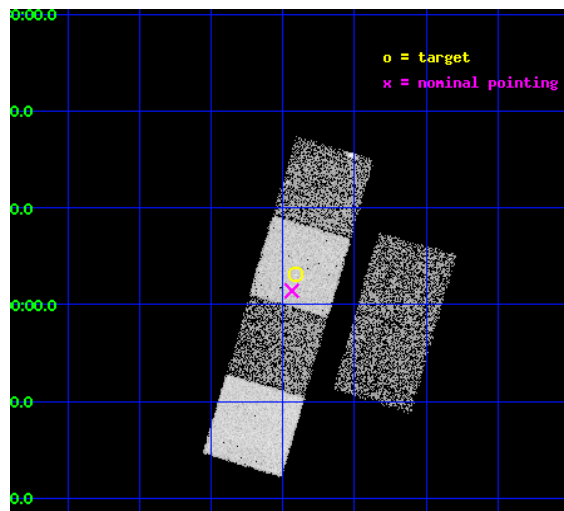
L2 Processing Date : May 3 2012

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1 Front

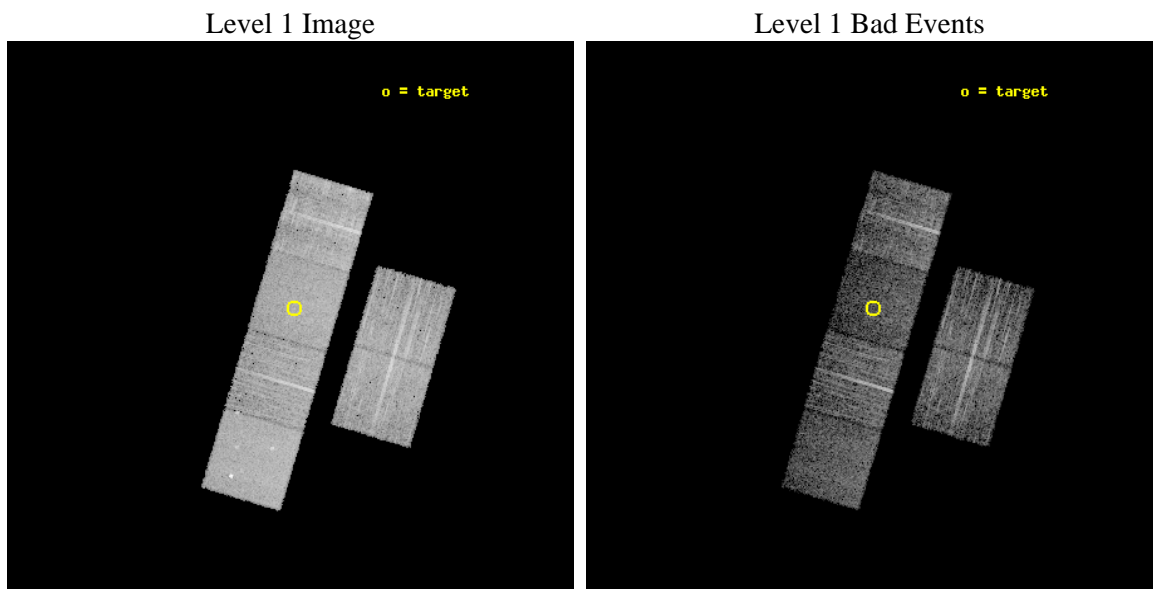
seq_num	500715	Sequence number
obs_id	7583	Observation id
title	Chandra monitoring of the candidate Anomalous X-ray Pulsar AX J1845-0258	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	AX J1845-0258	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.227833	Observer's specified target RA [deg]
dec_targ	-2.948083	Observer's specified target Dec [deg]
ra_nom	281.2344780547	Nominal RA [deg]
dec_nom	-2.976420145991	Nominal Dec [deg]
roll_nom	286.45138969868	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5183.9999807477	Sum of GTIs [s]
livetime	5118.3570515614	Livetime [s]
ontime2	5183.9999807477	Sum of GTIs [s]
ontime3	5183.9999807477	Sum of GTIs [s]
ontime5	5183.9999807477	Sum of GTIs [s]
ontime6	5183.9999807477	Sum of GTIs [s]
ontime7	5183.9999807477	Sum of GTIs [s]
ontime8	5183.9999807477	Sum of GTIs [s]
l2events	64094	Number of level 2 events



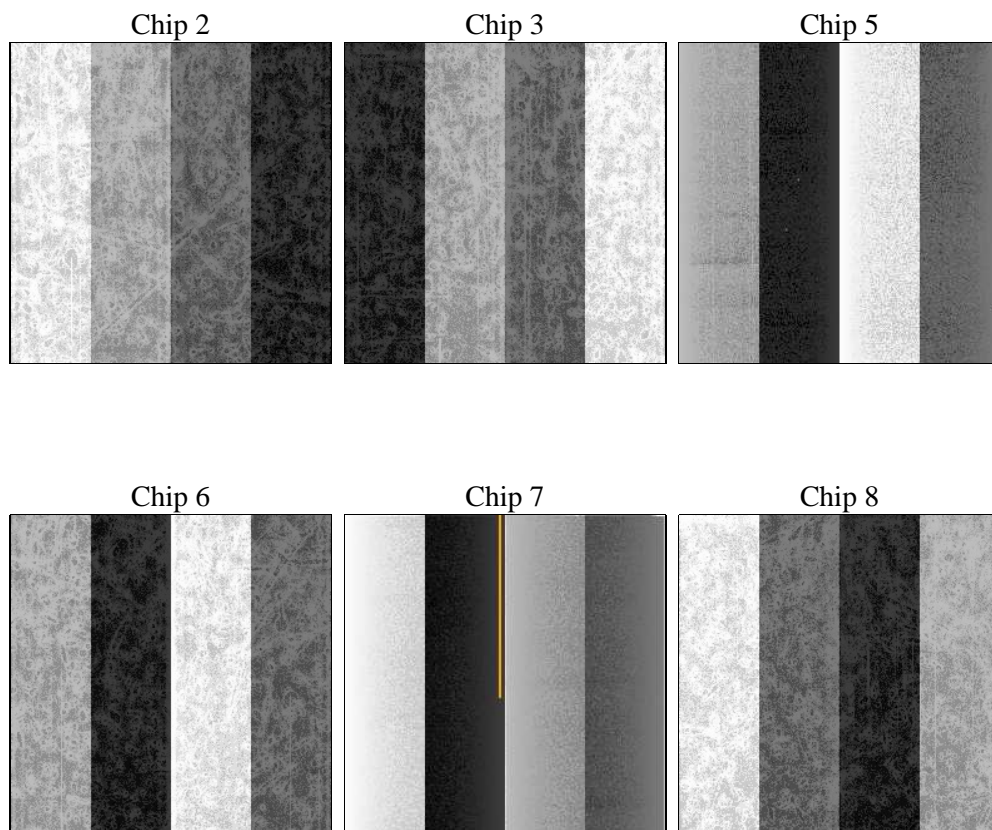
2 OBI

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	5183.9999807477	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5183.9999807477	Sum of GTIs [s]
date	2012-05-04T01:39:40	Date and time of file creation	ontime3	5183.9999807477	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5183.9999807477	Sum of GTIs [s]
			ontime6	5183.9999807477	Sum of GTIs [s]
			ontime7	5183.9999807477	Sum of GTIs [s]
			ontime8	5183.9999807477	Sum of GTIs [s]
			l1events	329143	Number of level 1 events

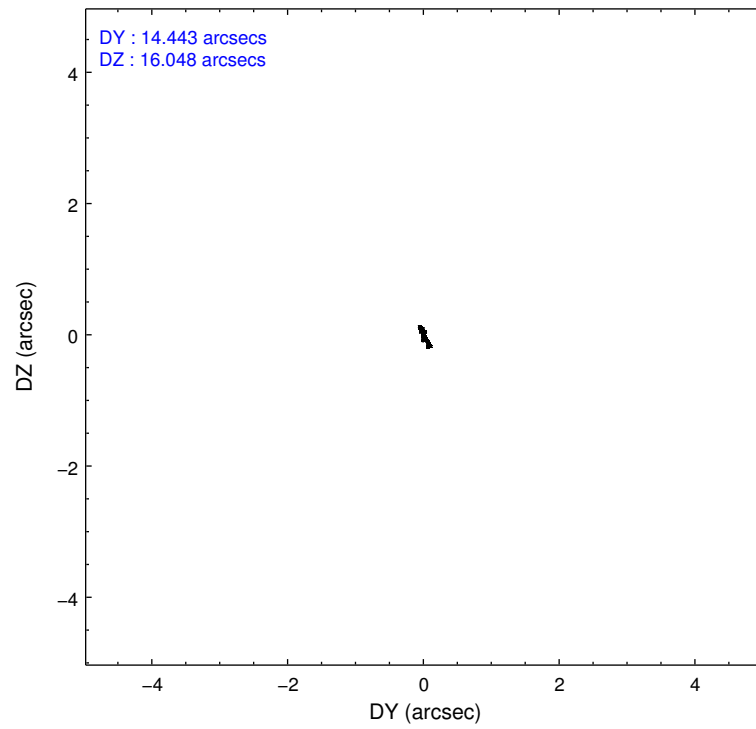
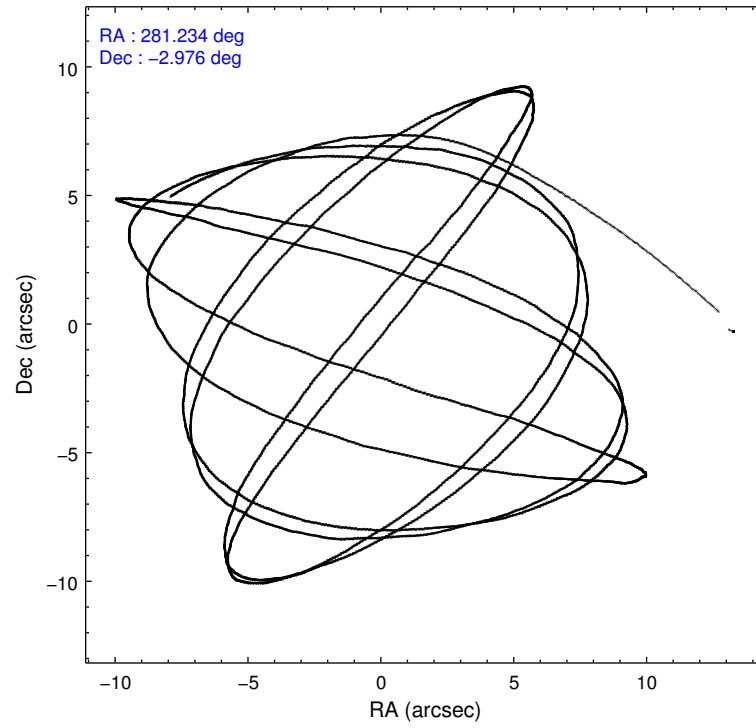
2.1.4 Events

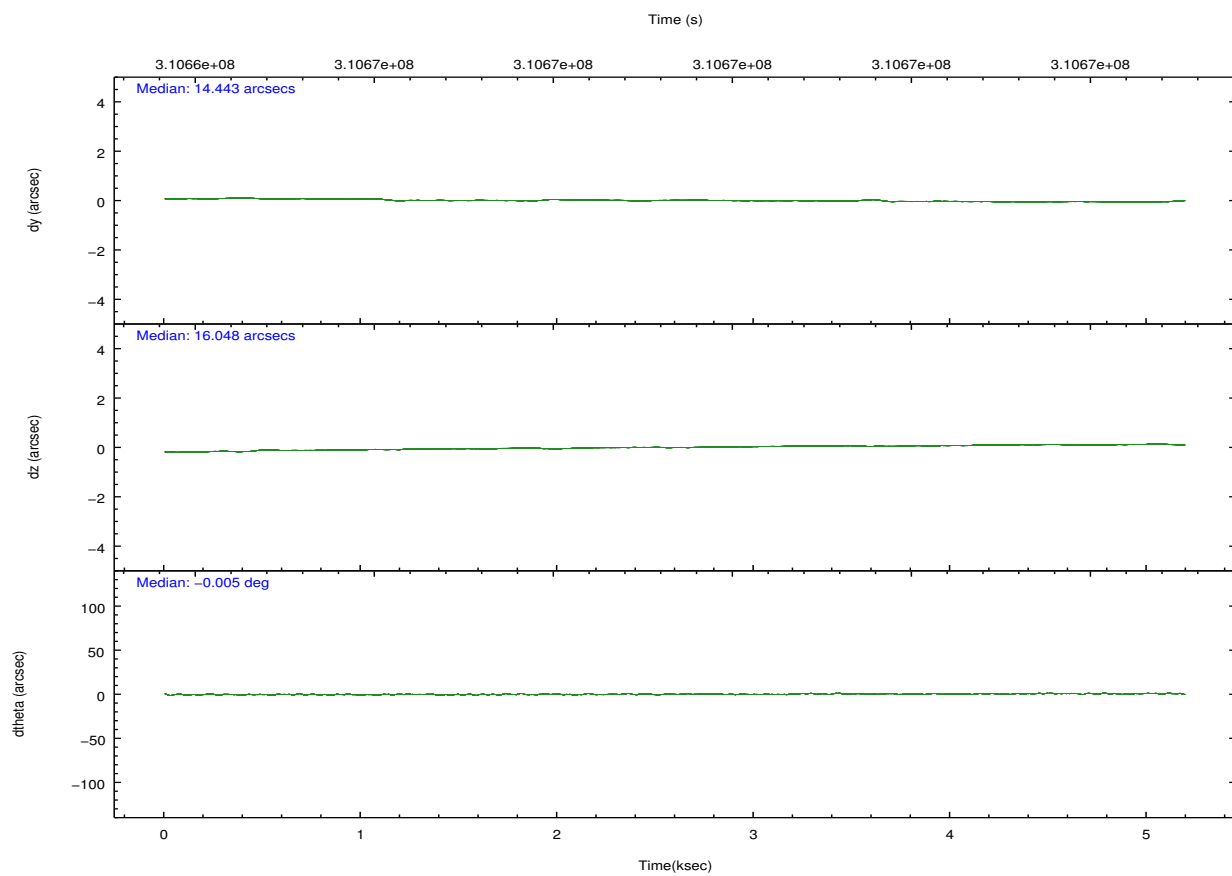
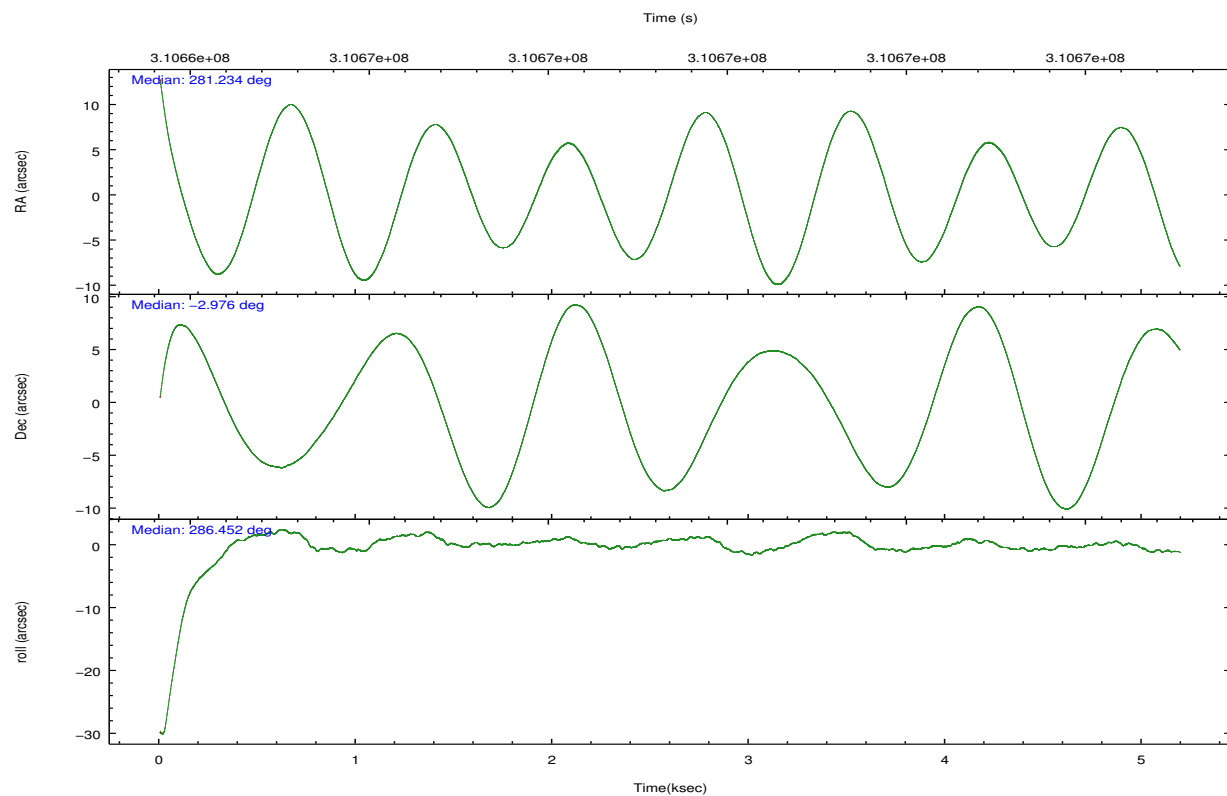
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51769	49270	65871	48314	52437	61482	grade 0 events	1778	1783	3999	1923	2327	4612
rejected events	47538	45246	36231	43734	30737	47994		3%	3%	6%	3%	4%	7%
rejected %	91%	91%	55%	90%	58%	78%	grade 1 events	29	24	139	23	83	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	1102	955	9991	1139	5049	3492
								2%	1%	15%	2%	9%	5%
							grade 3 events	491	540	1492	559	2300	1625
								0%	1%	2%	1%	4%	2%
							grade 4 events	531	495	1434	548	2306	1543
								1%	1%	2%	1%	4%	2%
							grade 5 events	1476	1876	5190	1803	5505	2700
								2%	3%	7%	3%	10%	4%
							grade 6 events	915	826	16935	996	12491	3858
								1%	1%	25%	2%	23%	6%
							grade 7 events	45447	42771	26691	41323	22376	43608
								87%	86%	40%	85%	42%	70%

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	281.214368	281.2344780546973	CCD I2 on	O1	Y
[deg] Pointing Dec	-2.957925	-2.976420145991044	CCD I3 on	Y	Y
[deg] Pointing Roll	286.293776	286.45138969868	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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)	310665285.184000	310663869.99256	CCD S5 on	N	N
Observation start date	2007-11-05T15:53:40	2007-11-05T15:31:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	310670285.184000	310670501.23038	On-chip summing requested	N	N
Observation end date	2007-11-05T17:17:00	2007-11-05T17:21:41	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



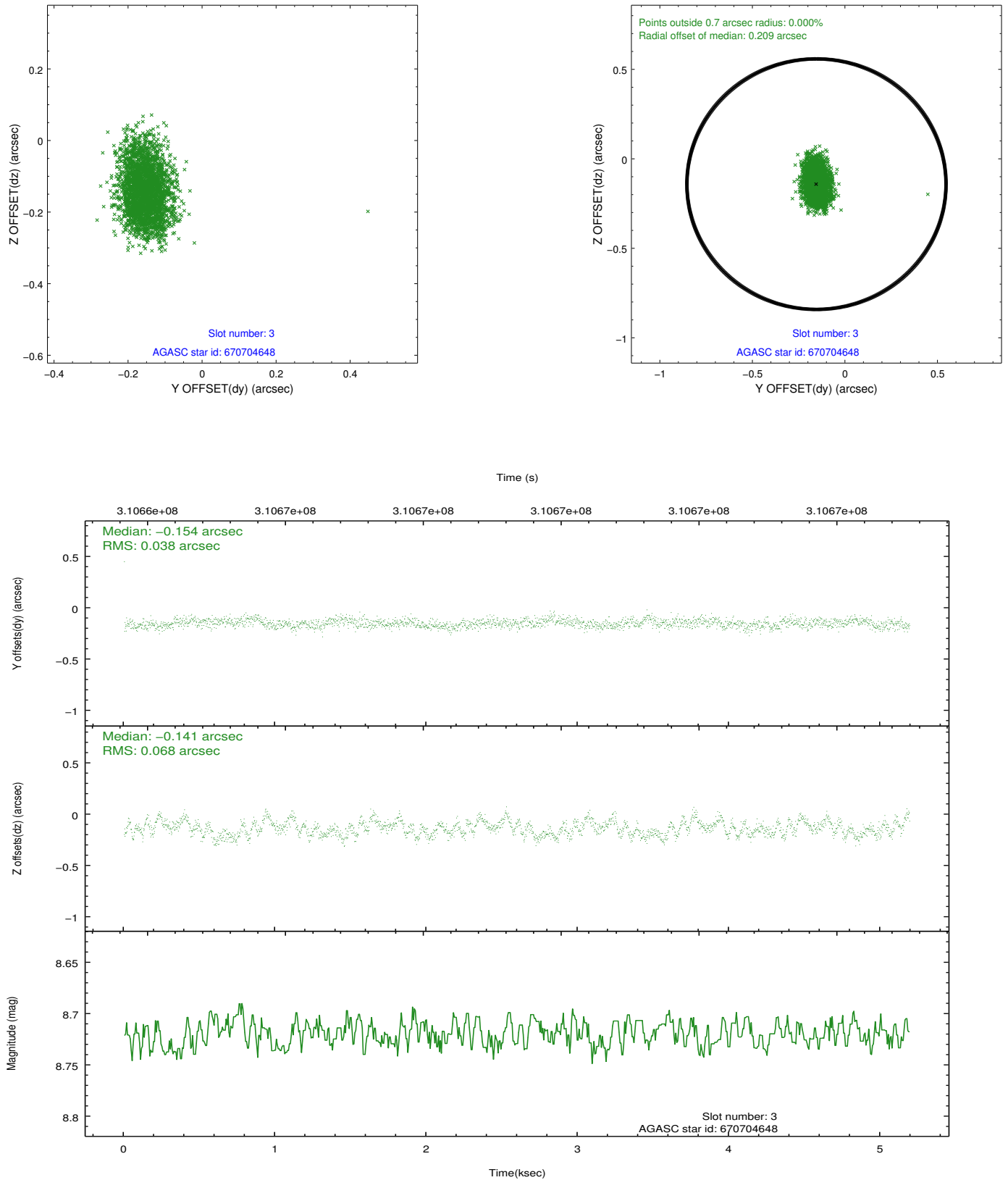


Slot Statistics

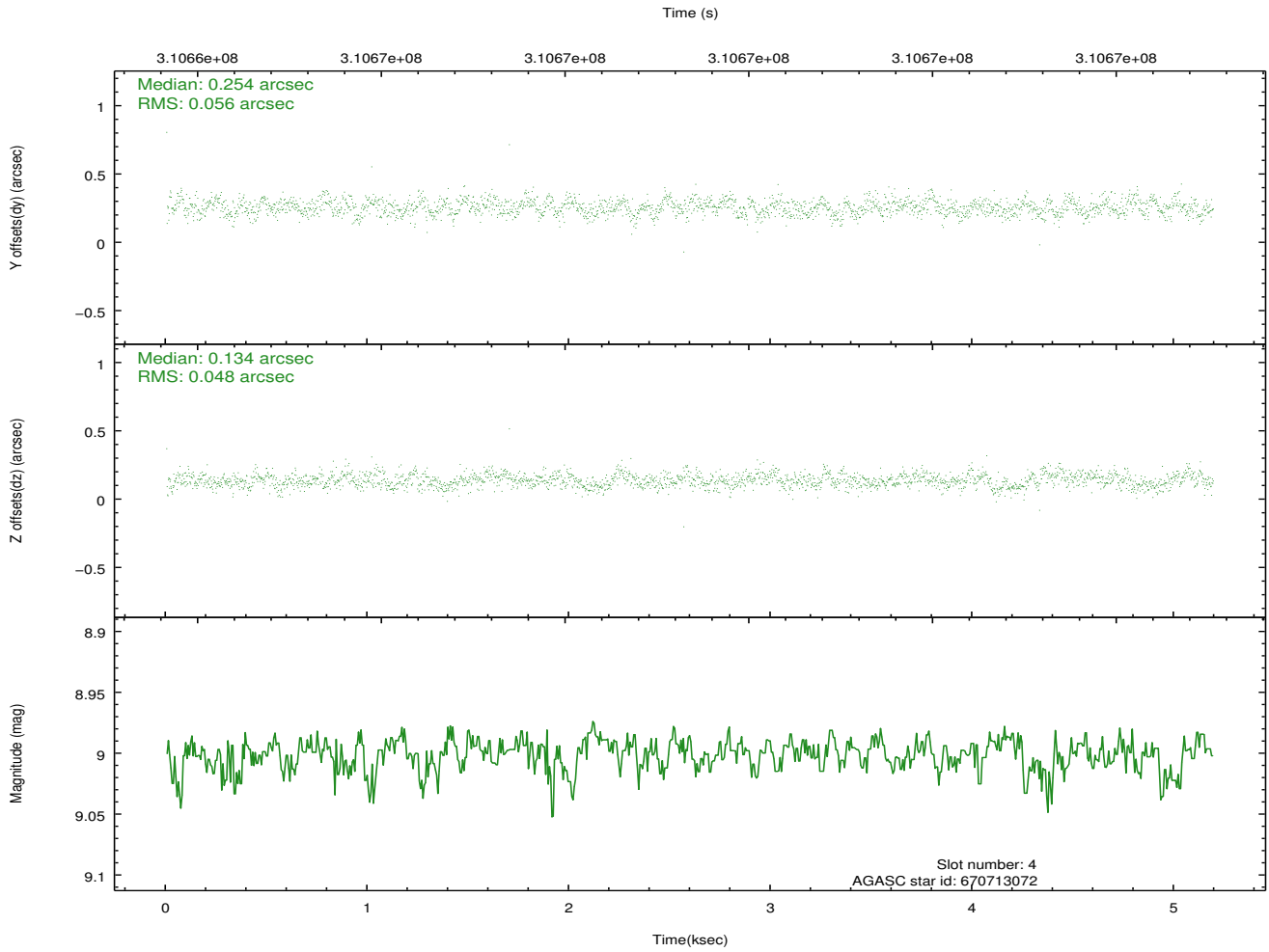
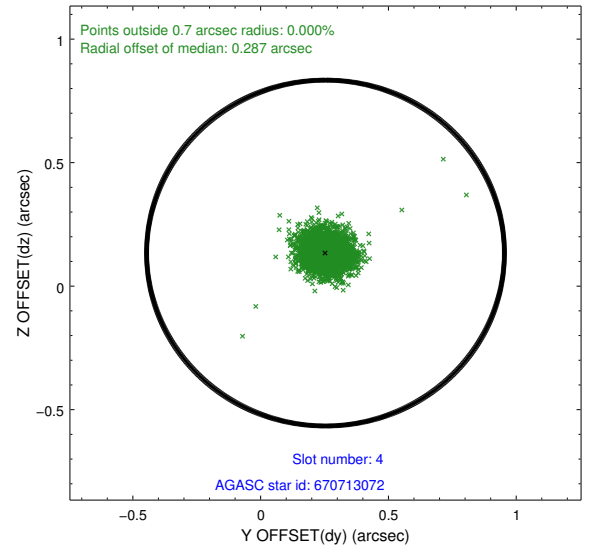
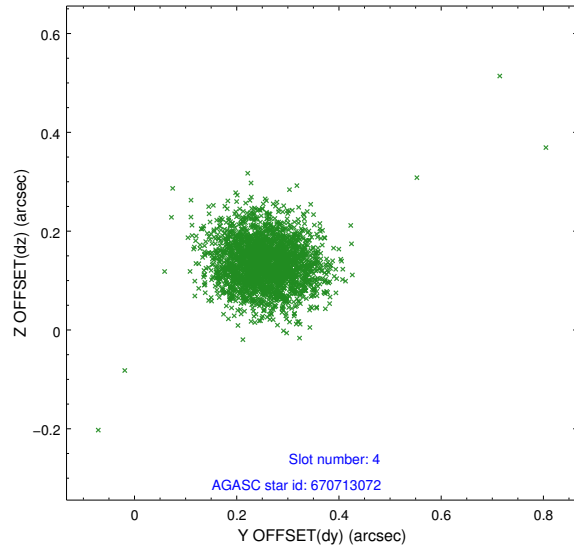
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1267	0.042	-0.082	0.008	0.015	0.000000	0.000000	928.66	-1733.12
1	FID	ACIS-S-4	7.19	1267	0.143	0.042	0.006	0.010	0.000000	0.000000	2146.82	169.95
2	FID	ACIS-S-5	7.22	1267	-0.212	0.053	0.007	0.015	0.000000	0.000000	-1818.96	164.89
3	GUIDE	670704648	8.72	2531	-0.154	-0.141	0.081	0.135	280.736676	-2.935747	-557.48	-1626.16
4	GUIDE	670713072	9.00	2532	0.254	0.134	0.076	0.123	281.205407	-3.604132	2224.75	-684.02
5	GUIDE	670713328	7.55	2533	-0.174	-0.060	0.065	0.105	280.824681	-3.187771	402.75	-1576.87
6	GUIDE	670714008	9.01	2524	0.044	0.154	0.088	0.142	281.129237	-3.153193	589.92	-491.29
7	GUIDE	670830264	8.73	2531	0.037	-0.088	0.071	0.115	281.361536	-3.231556	1095.06	231.17

2.4 Star Slots

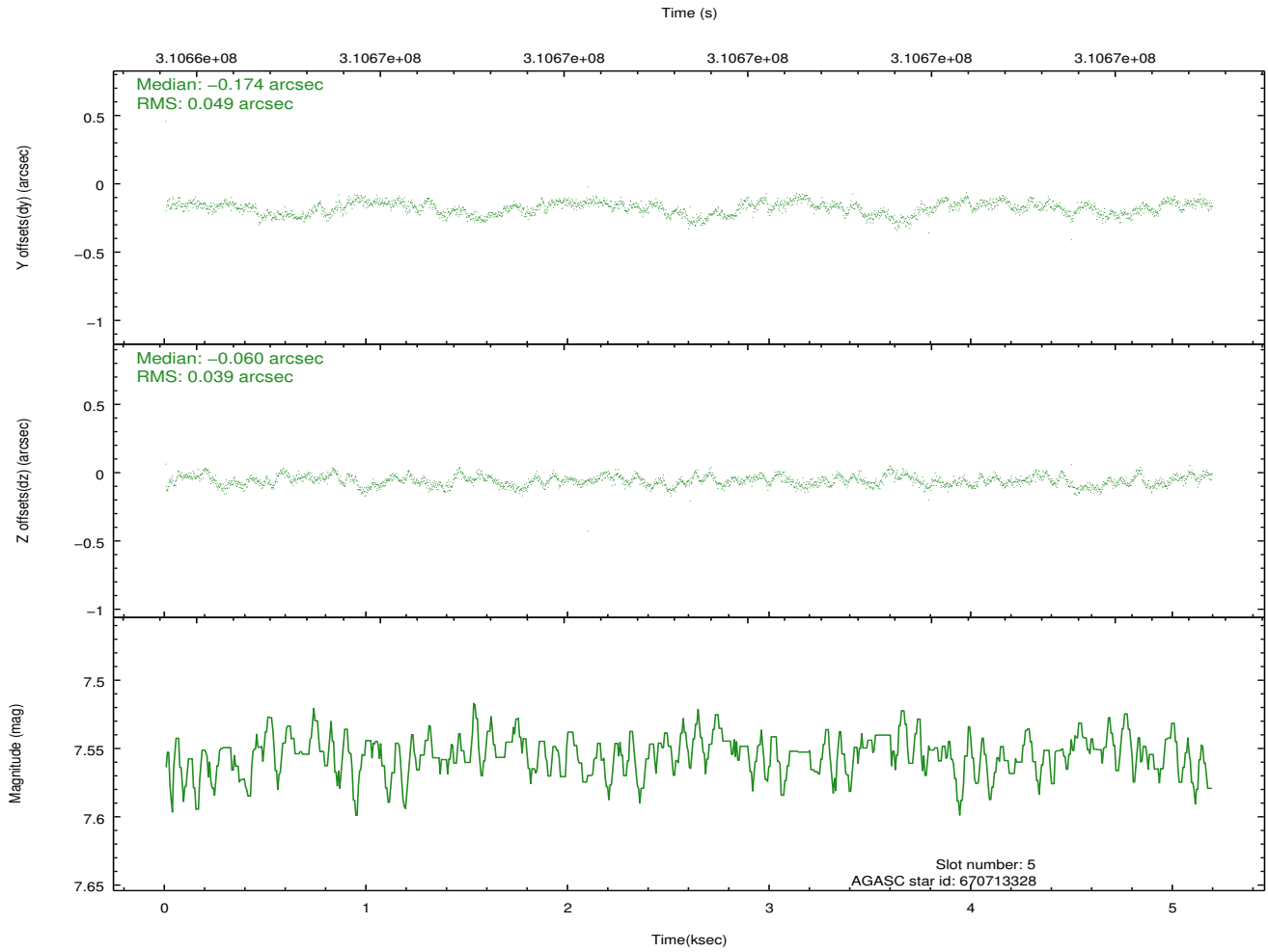
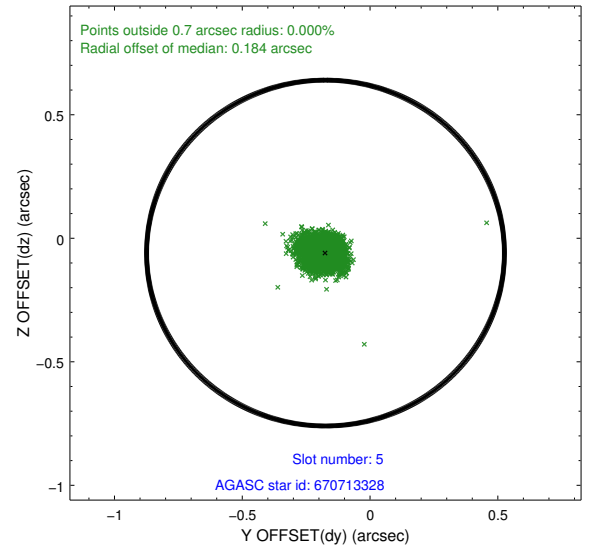
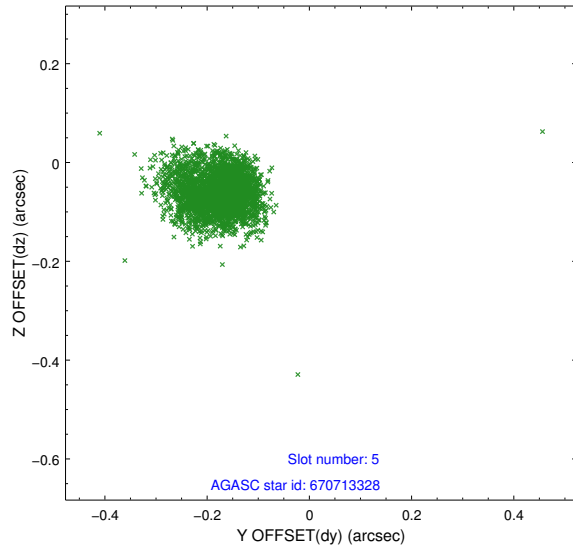
2.4.1 Slot 3



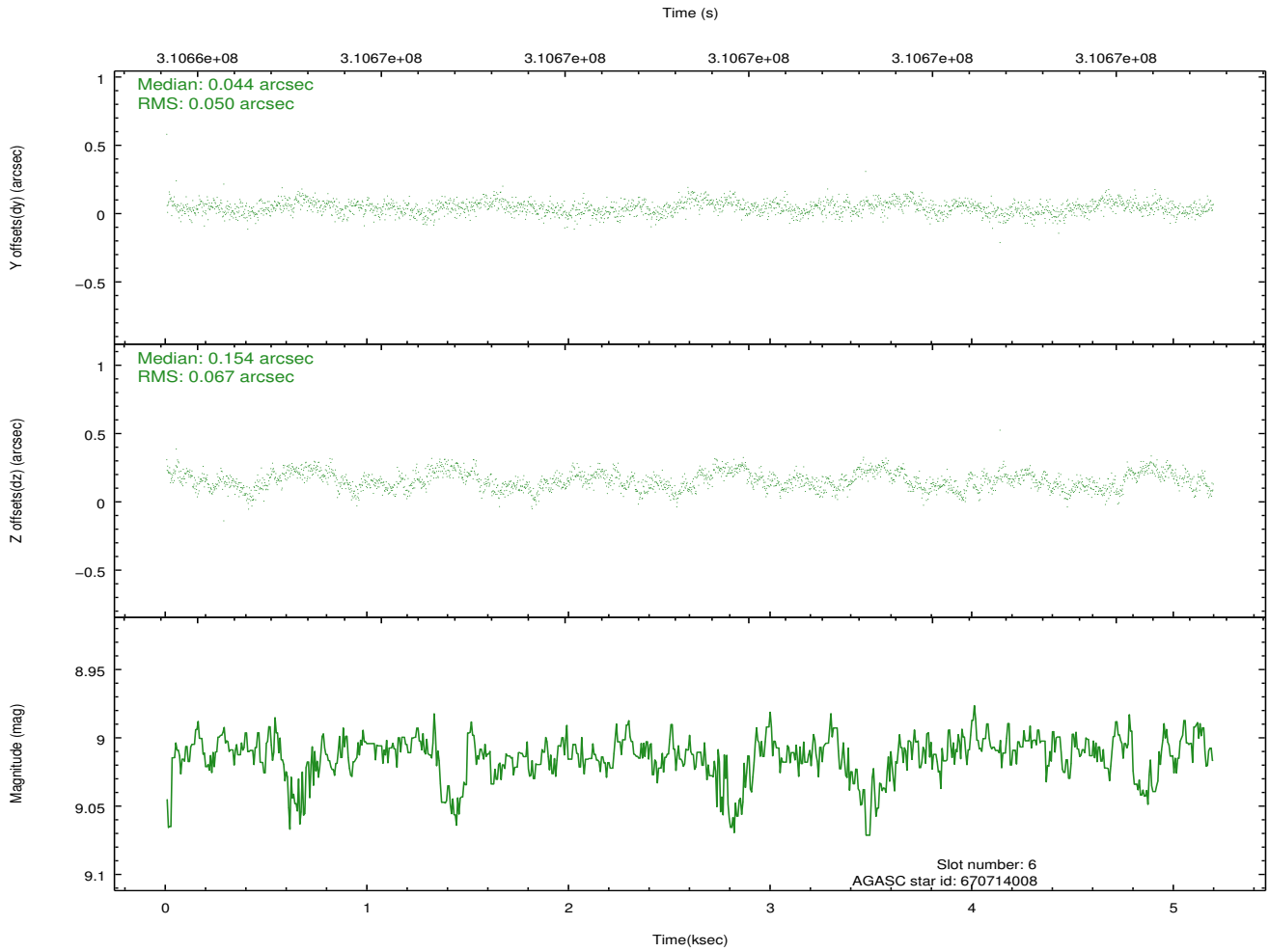
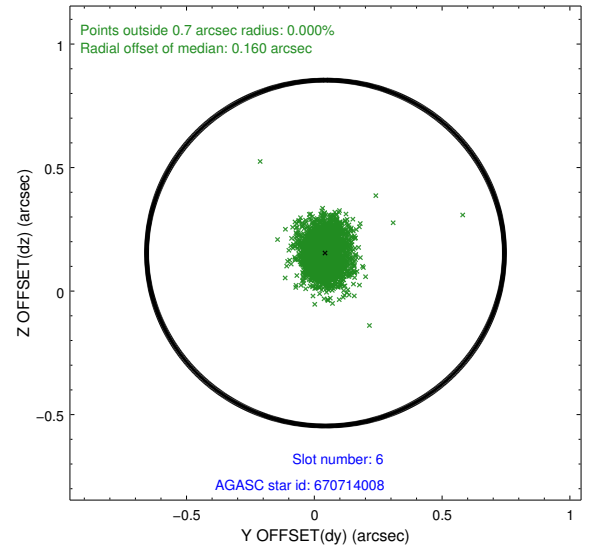
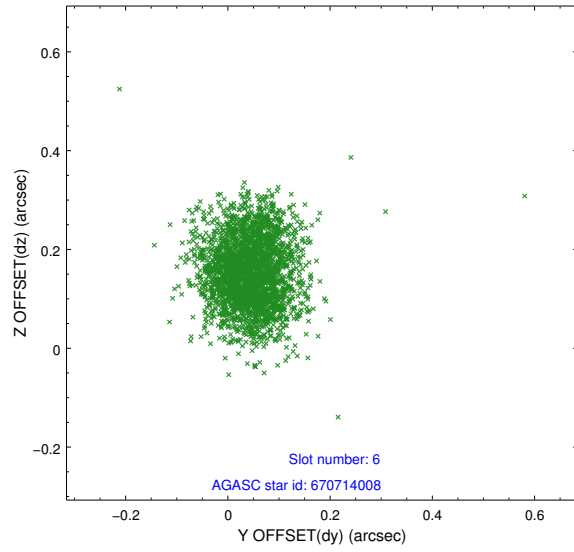
2.4.2 Slot 4



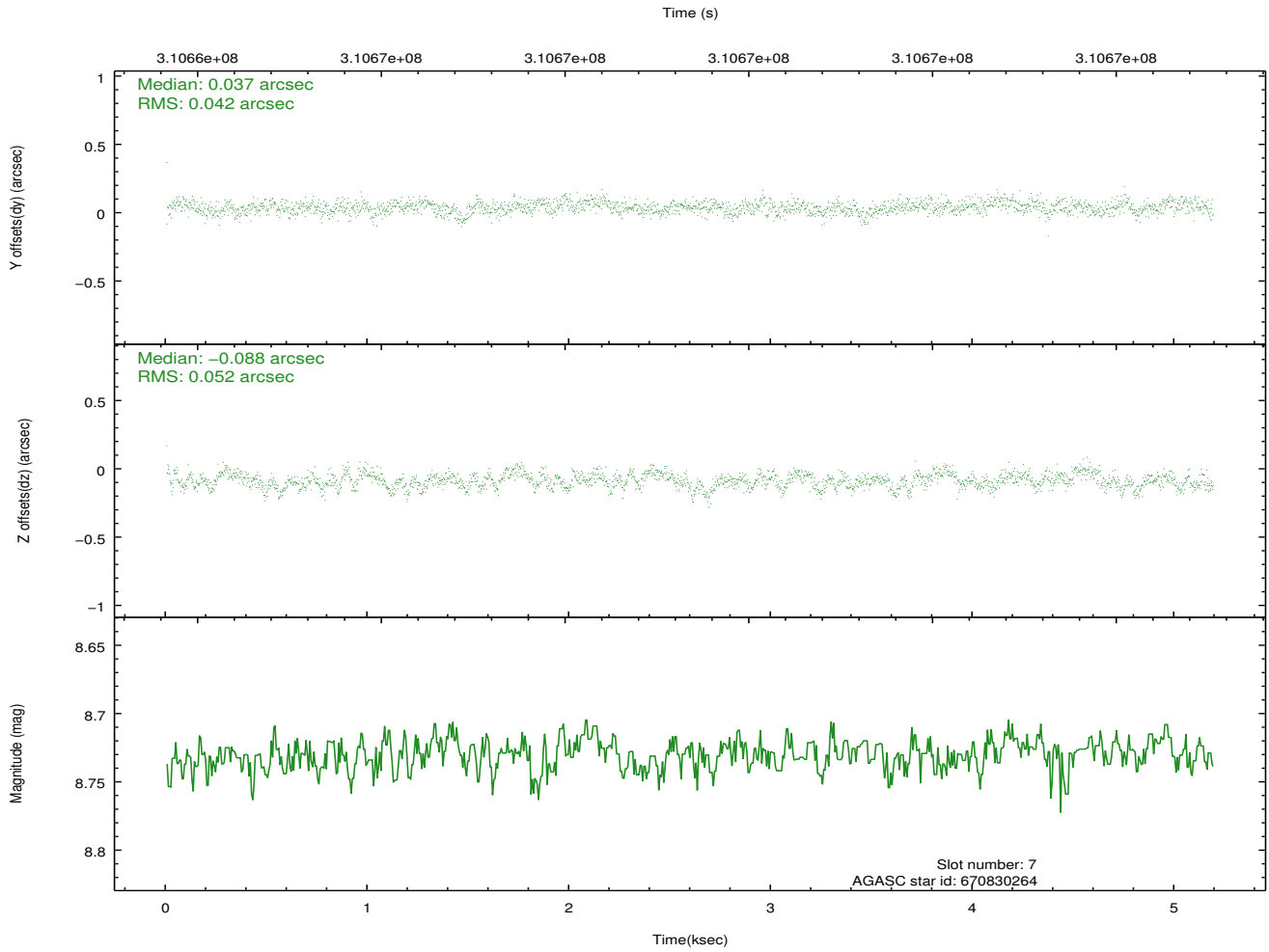
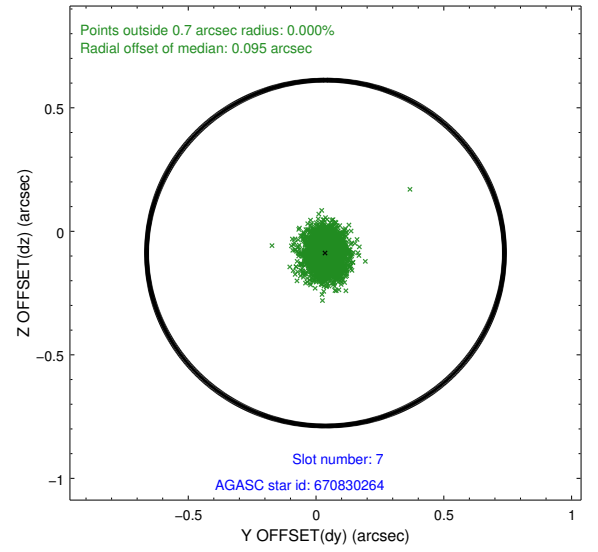
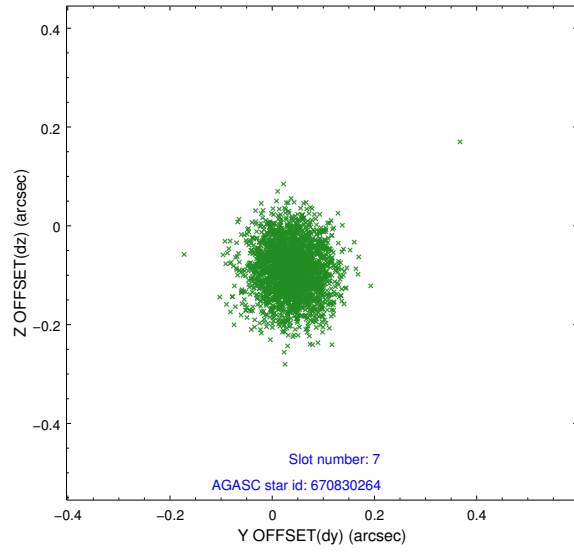
2.4.3 Slot 5



2.4.4 Slot 6

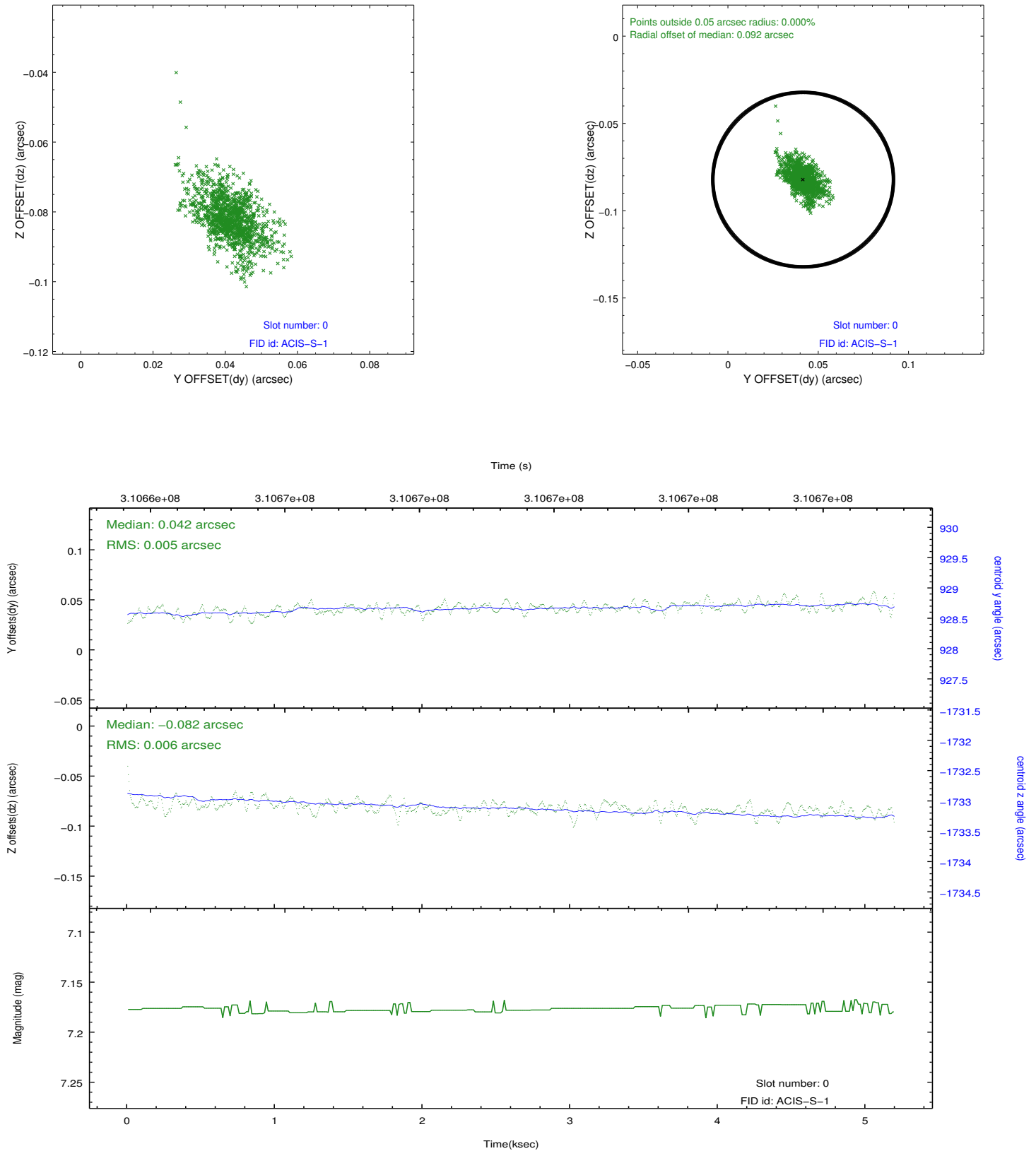


2.4.5 Slot 7

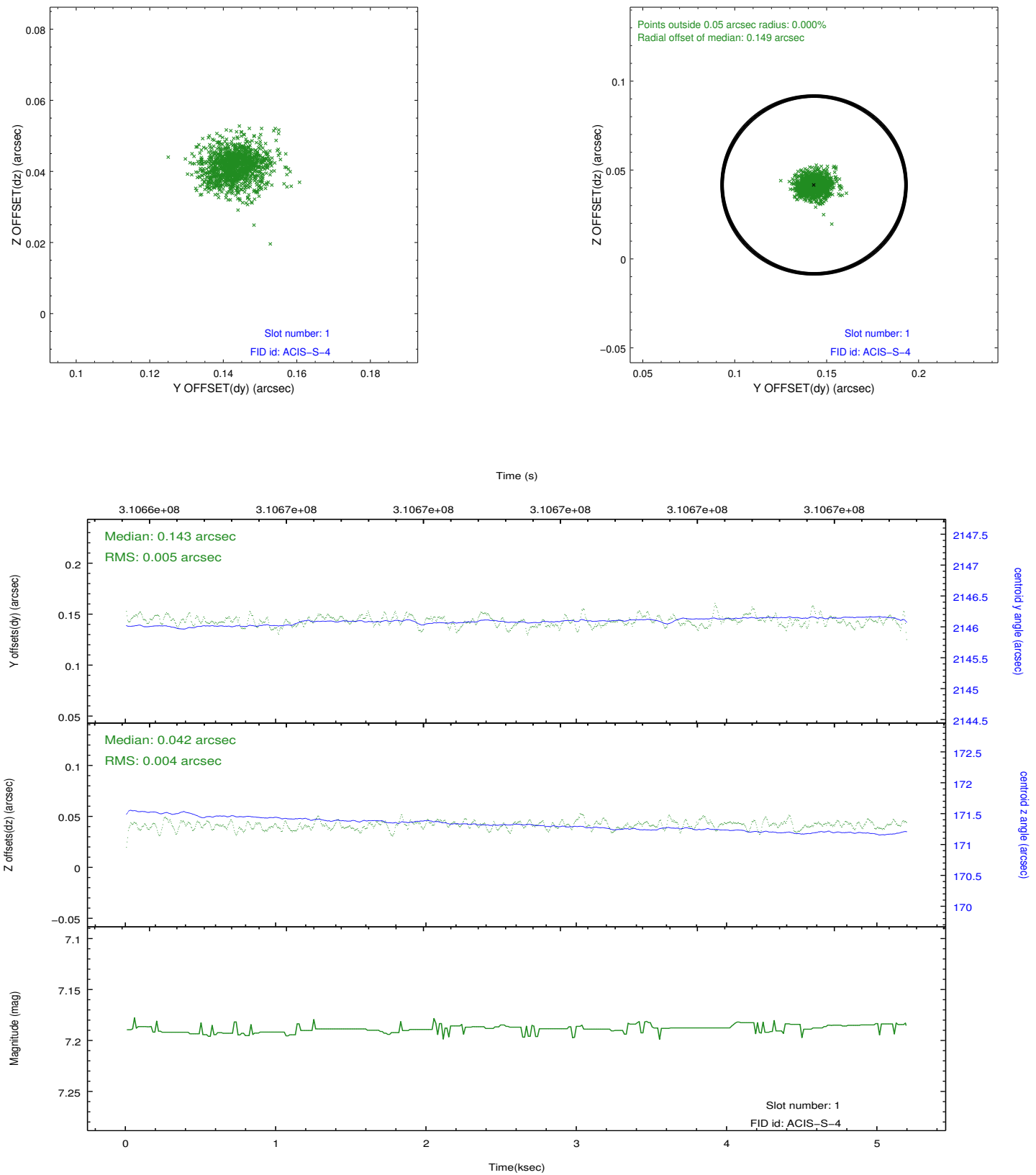


2.5 FID Slots

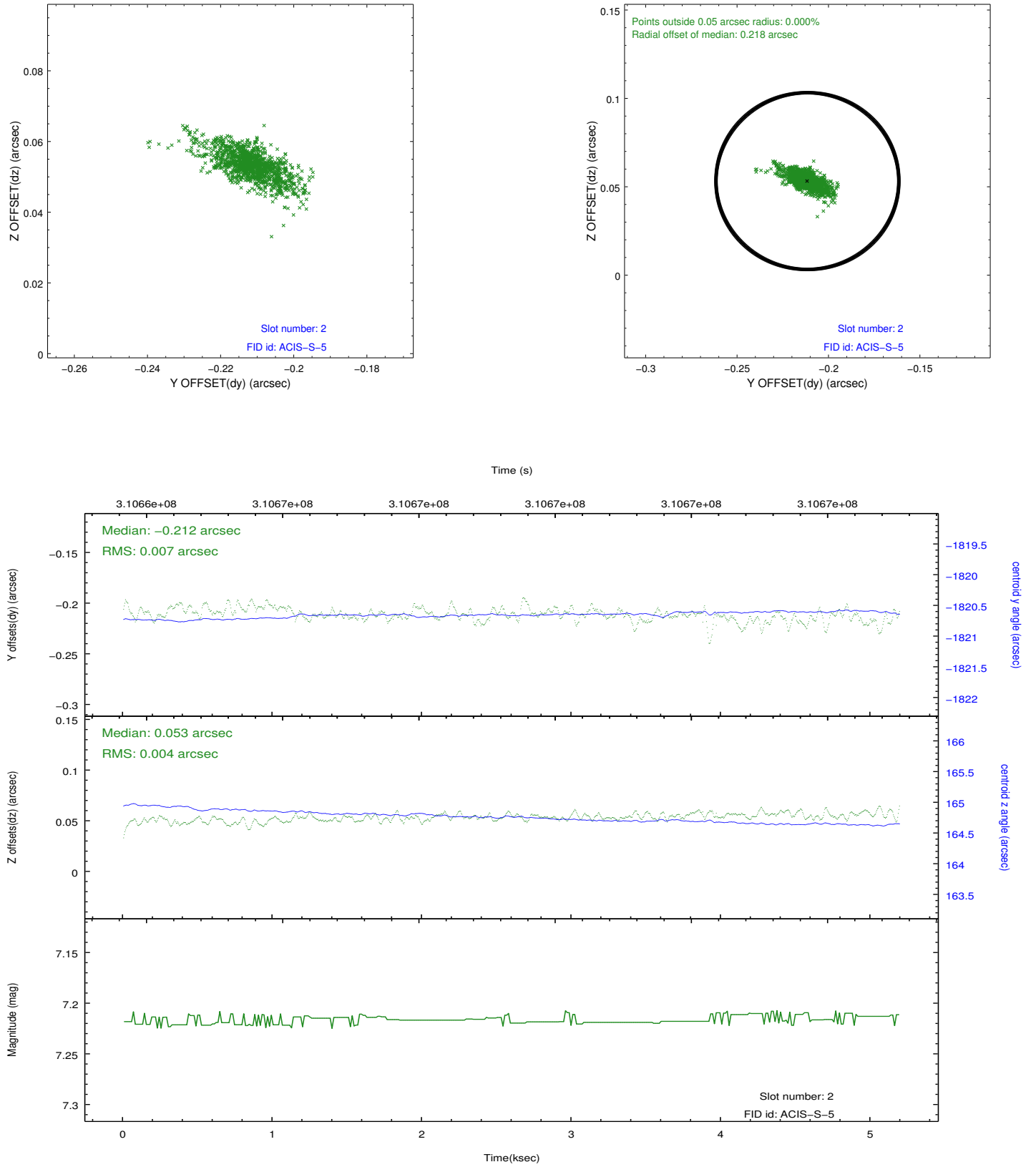
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18399998

A.2 Comments