

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7582 - L2 Version 2
Chandra X-Ray Center

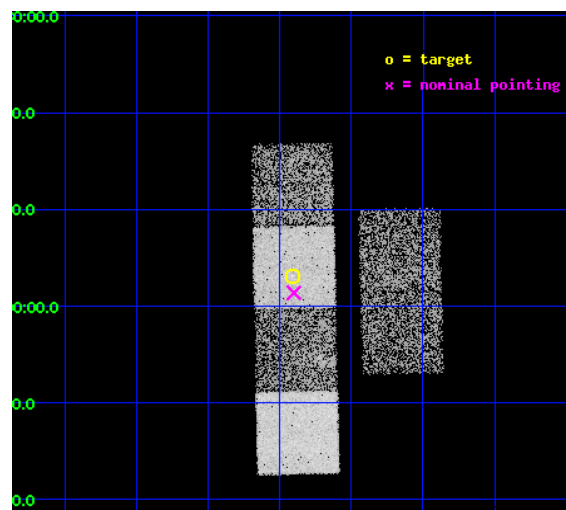
L2 Processing Date : May 1 2012

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1 Front

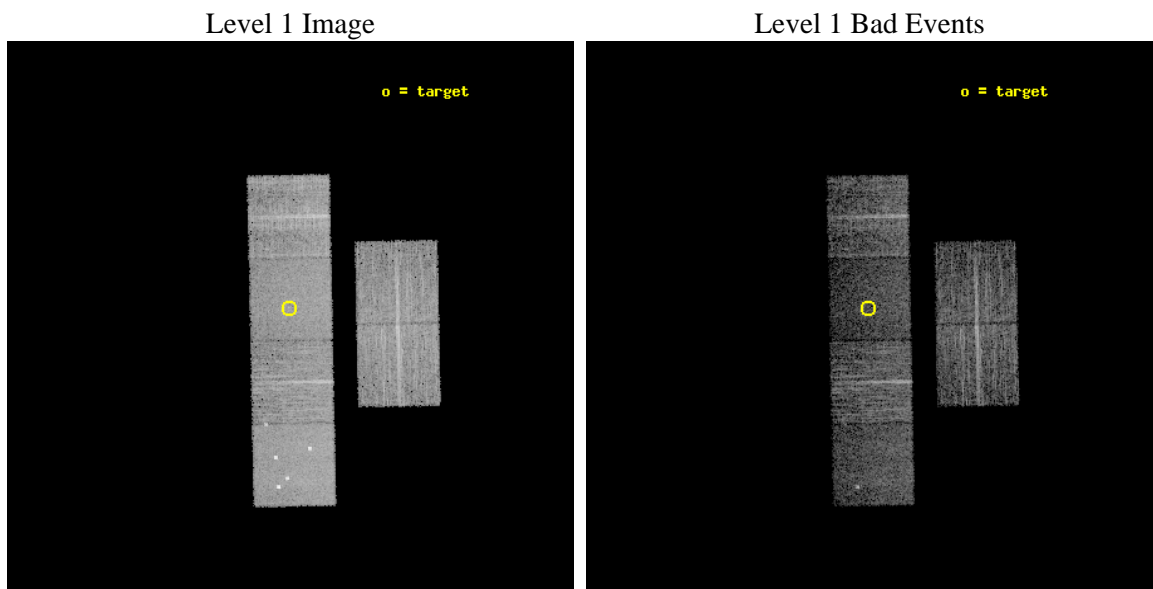
seq_num	500714	Sequence number
obs_id	7582	Observation id
title	Chandra monitoring of the candidate Anomalous X-ray Pulsar AX J1845-0258	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	AX J1845-0258	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	281.227833	Observer's specified target RA [deg]
dec_targ	-2.948083	Observer's specified target Dec [deg]
ra_nom	281.22552252587	Nominal RA [deg]
dec_nom	-2.9771763937959	Nominal Dec [deg]
roll_nom	268.8362011662	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5087.9999811053	Sum of GTIs [s]
livetime	5023.5726617188	Livetime [s]
ontime2	5087.9999811053	Sum of GTIs [s]
ontime3	5087.9999811053	Sum of GTIs [s]
ontime5	5087.9999811053	Sum of GTIs [s]
ontime6	5087.9999811053	Sum of GTIs [s]
ontime7	5087.9999811053	Sum of GTIs [s]
ontime8	5087.9999811053	Sum of GTIs [s]
l2events	61482	Number of level 2 events



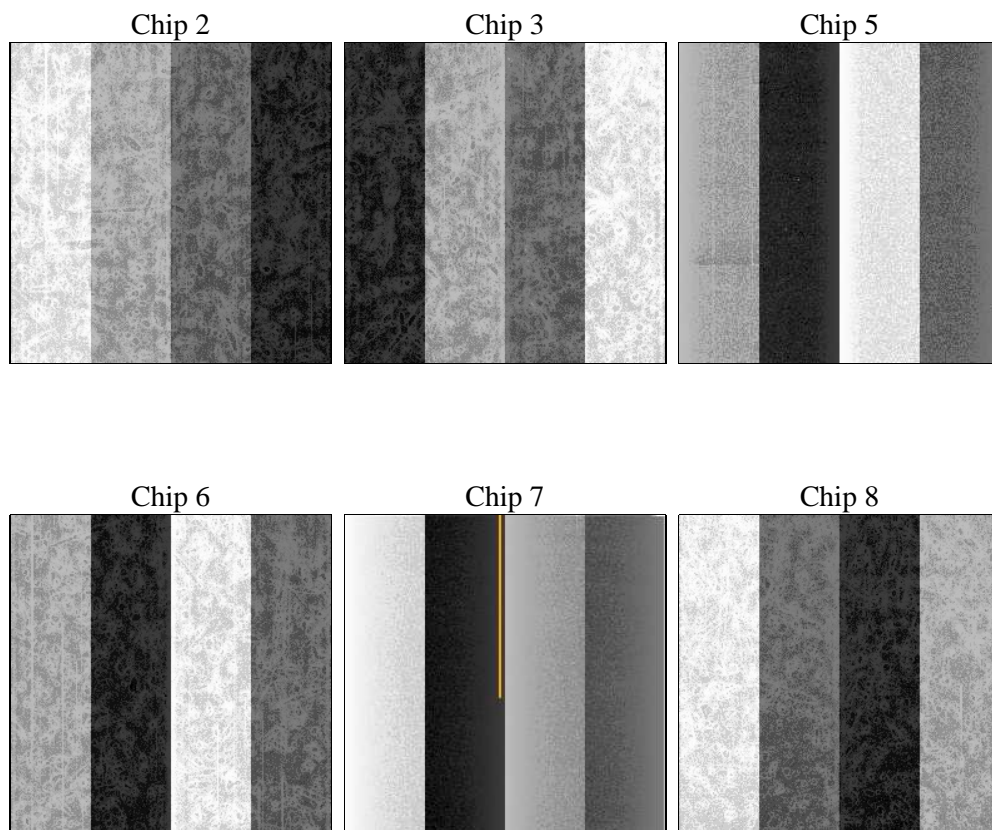
2 OBI

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	5087.9999811053	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5087.9999811053	Sum of GTIs [s]
date	2012-05-01T04:57:25	Date and time of file creation	ontime3	5087.9999811053	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5087.9999811053	Sum of GTIs [s]
			ontime6	5087.9999811053	Sum of GTIs [s]
			ontime7	5087.9999811053	Sum of GTIs [s]
			ontime8	5087.9999811053	Sum of GTIs [s]
			l1events	284293	Number of level 1 events

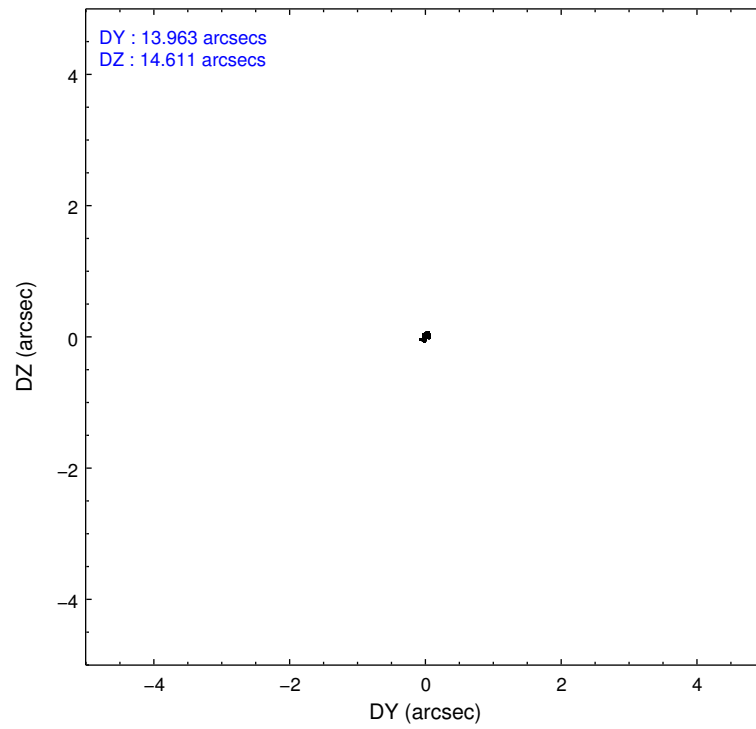
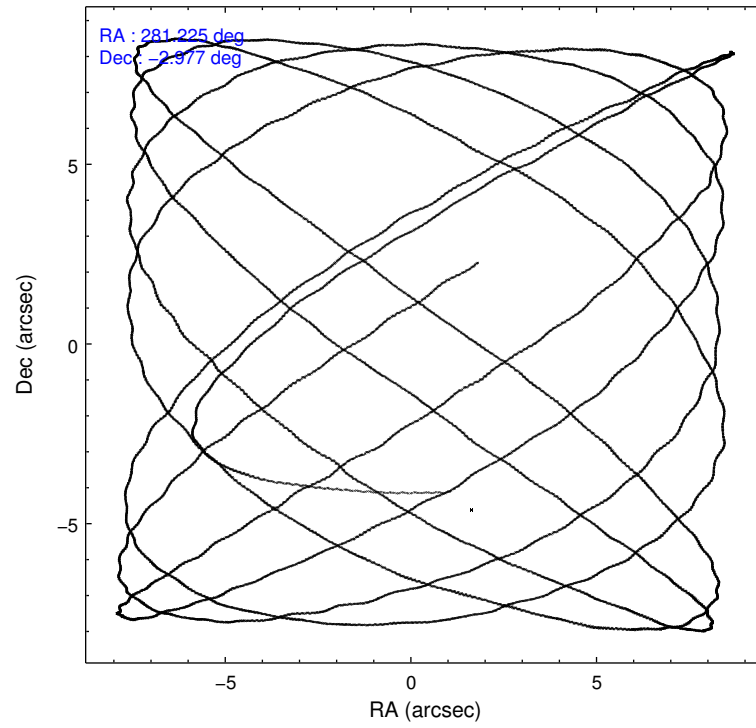
2.1.4 Events

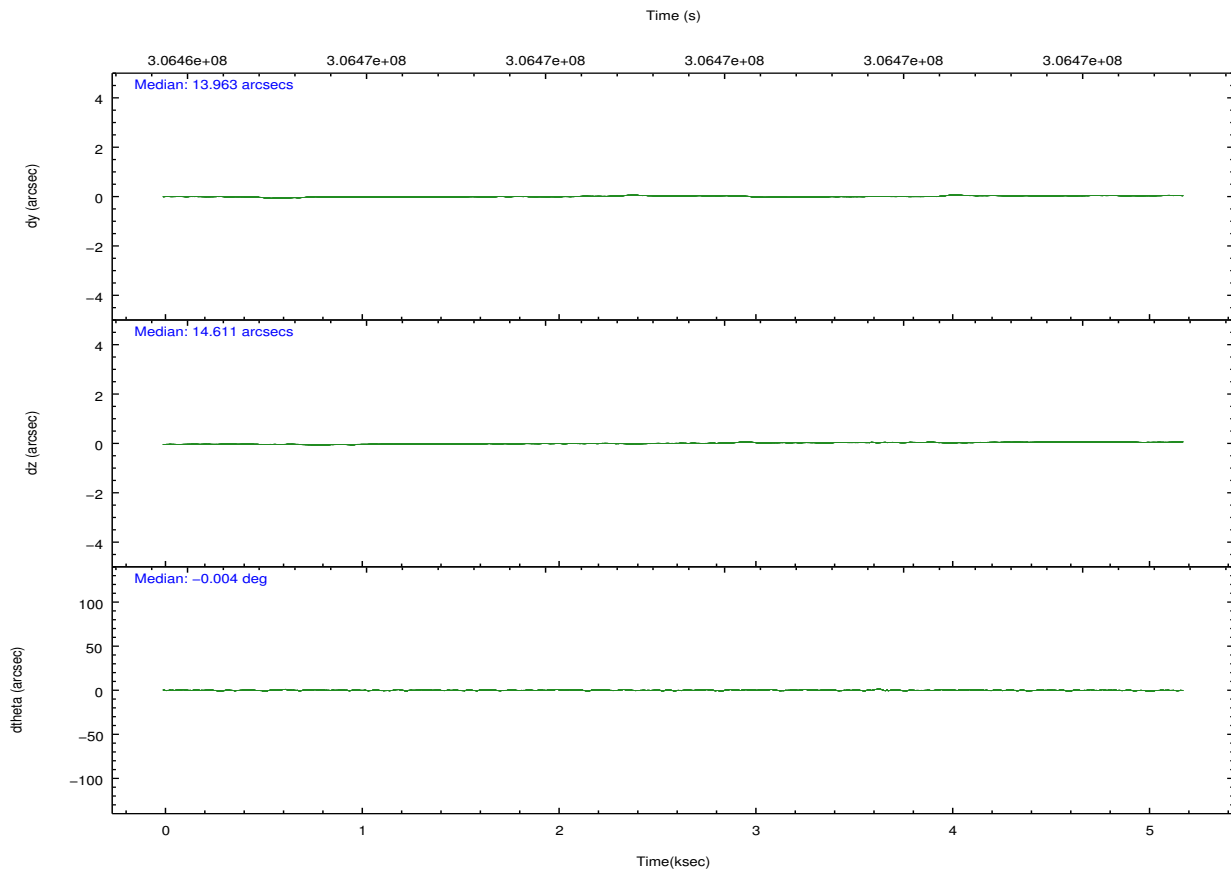
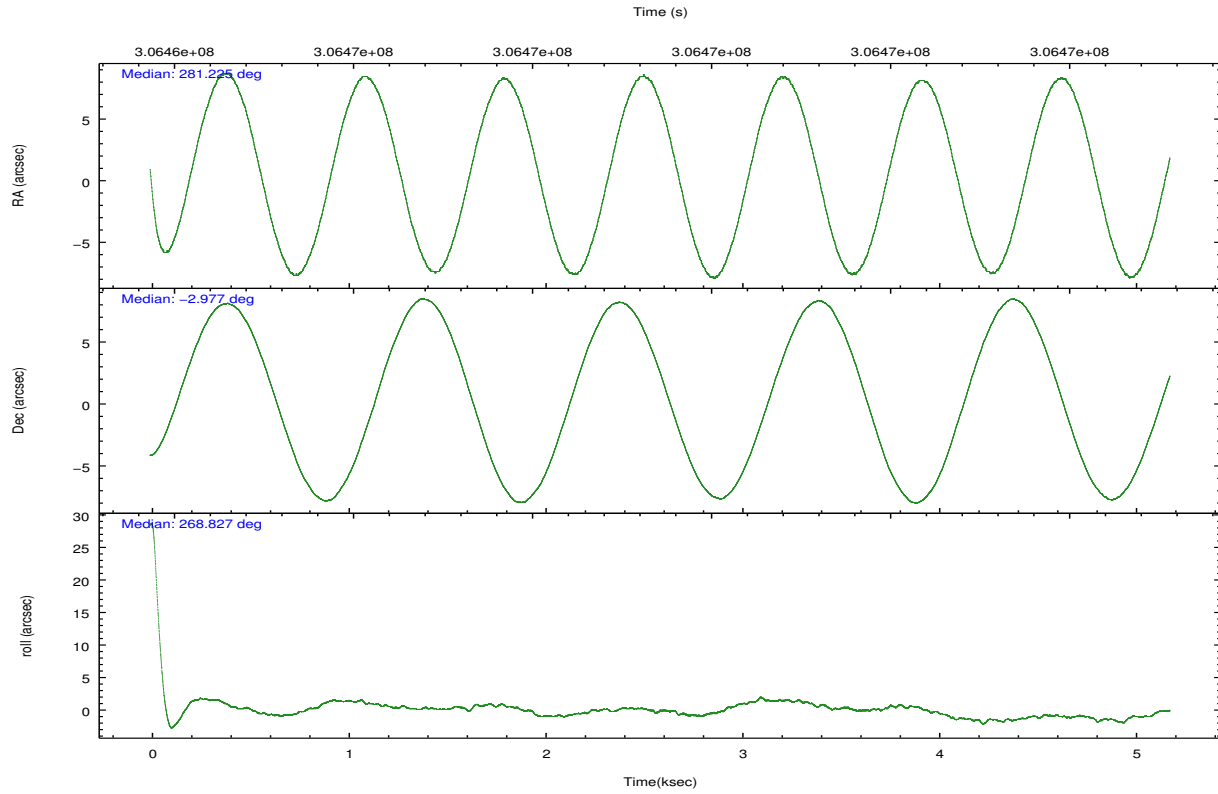
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	45255	39943	59920	44009	44361	50805	grade 0 events	1521	1465	5827	1862	1994	3923
rejected events	41090	36070	28211	39294	23674	37759		3%	3%	9%	4%	4%	7%
rejected %	90%	90%	47%	89%	53%	74%	grade 1 events	28	19	176	24	69	46
								0%	0%	0%	0%	0%	0%
							grade 2 events	1007	822	9129	948	4326	2785
								2%	2%	15%	2%	9%	5%
							grade 3 events	434	408	1134	458	1887	1529
								0%	1%	1%	1%	4%	3%
							grade 4 events	483	455	1088	467	1892	1432
								1%	1%	1%	1%	4%	2%
							grade 5 events	1366	1544	4383	1515	4544	2260
								3%	3%	7%	3%	10%	4%
							grade 6 events	722	727	14567	984	10617	3387
								1%	1%	24%	2%	23%	6%
							grade 7 events	39694	34503	23616	37751	19032	35443
								87%	86%	39%	85%	42%	69%

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	281.212020	281.2255225258724	CCD I2 on	O1	Y
[deg] Pointing Dec	-2.953387	-2.977176393795939	CCD I3 on	Y	Y
[deg] Pointing Roll	268.678794	268.8362011662044	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	306465290.184000	306464260.80262	CCD S5 on	N	N
Observation start date	2007-09-18T01:13:45	2007-09-18T00:57:40	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	306470290.184000	306470909.46544	On-chip summing requested	N	N
Observation end date	2007-09-18T02:37:05	2007-09-18T02:48:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



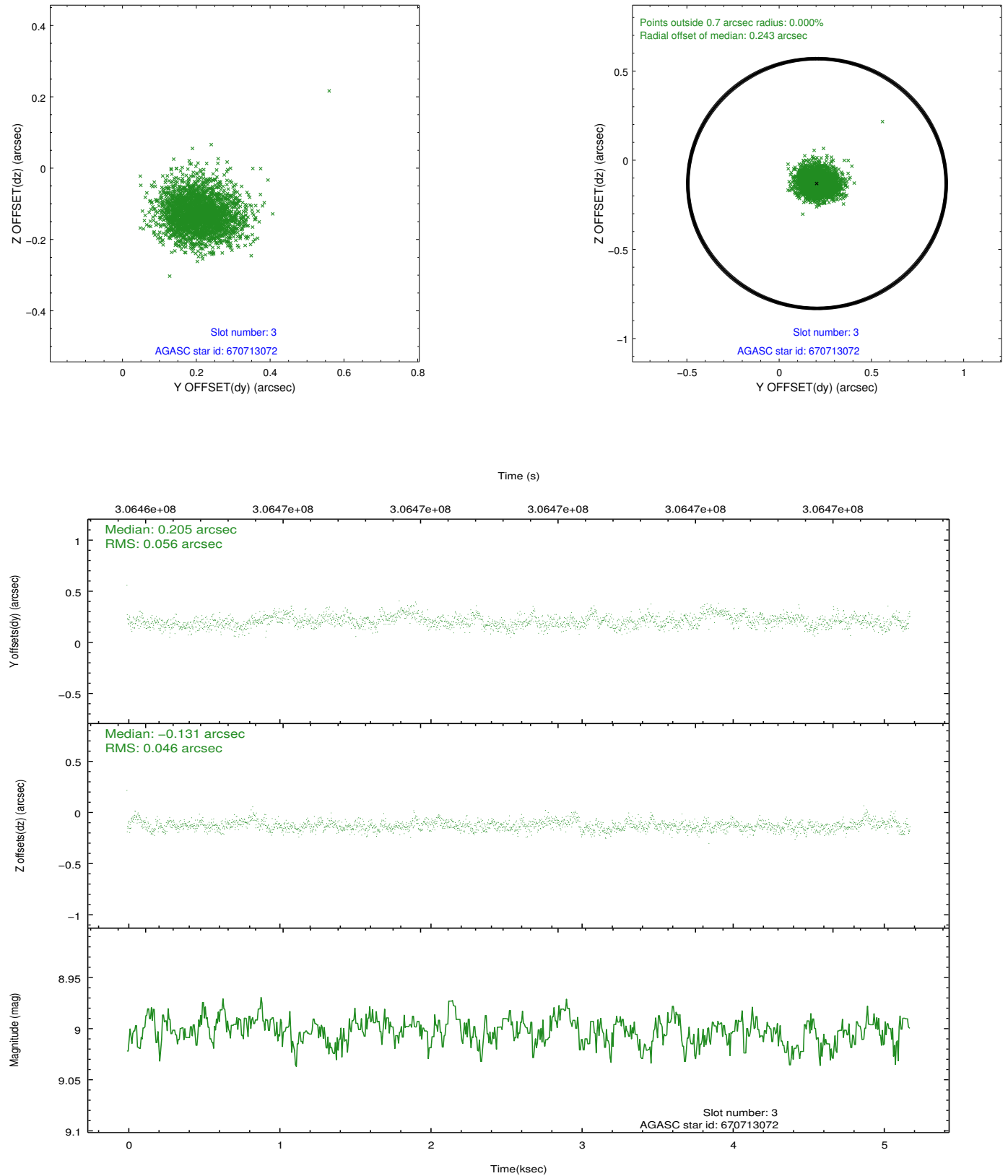


Slot Statistics

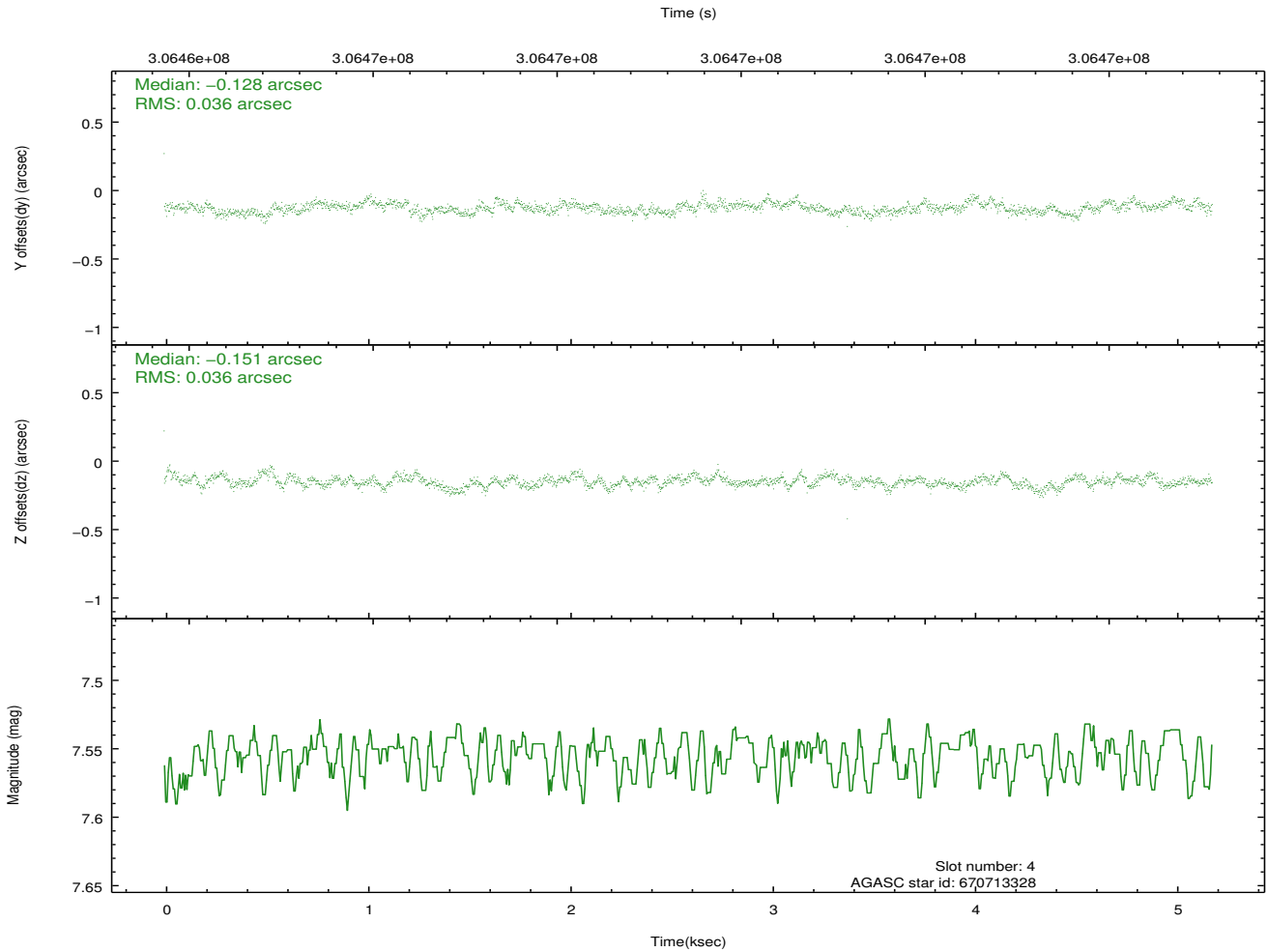
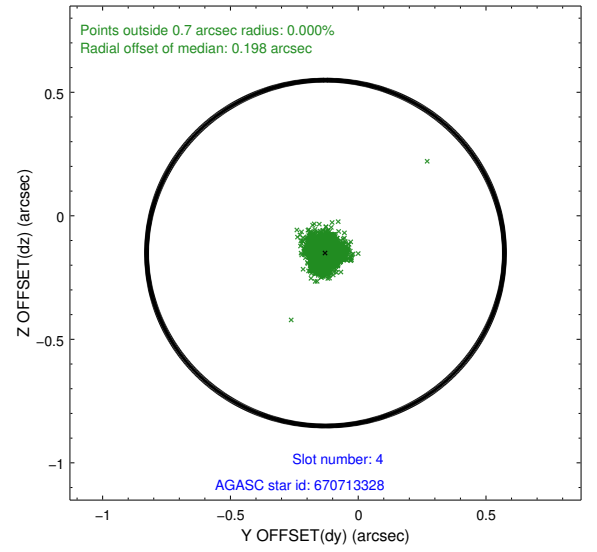
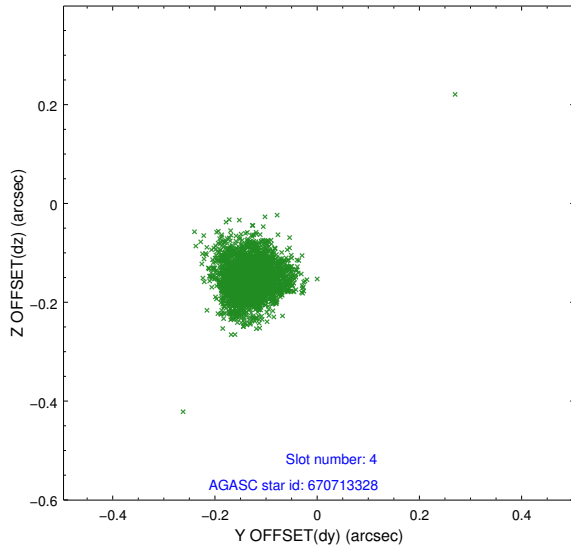
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.070	-0.038	0.007	0.011	0.000000	0.000000	-766.97	-1736.03
1	FID	ACIS-S-4	7.19	1264	0.197	0.044	0.006	0.012	0.000000	0.000000	2146.03	171.34
2	FID	ACIS-S-5	7.22	1264	-0.158	0.003	0.007	0.012	0.000000	0.000000	-1818.41	166.28
3	GUIDE	670713072	9.00	2527	0.205	-0.131	0.076	0.126	281.205407	-3.604132	2343.17	30.54
4	GUIDE	670713328	7.55	2529	-0.128	-0.151	0.053	0.085	280.824681	-3.187771	877.08	-1372.47
5	GUIDE	670714008	9.01	2528	-0.030	0.116	0.094	0.147	281.129237	-3.153193	726.71	-281.17
6	GUIDE	670830264	8.73	2525	-0.054	-0.090	0.073	0.114	281.361536	-3.231556	989.30	560.35
7	GUIDE	670830024	8.32	2527	0.003	0.250	0.054	0.086	281.863539	-3.639841	2419.99	2397.19

2.4 Star Slots

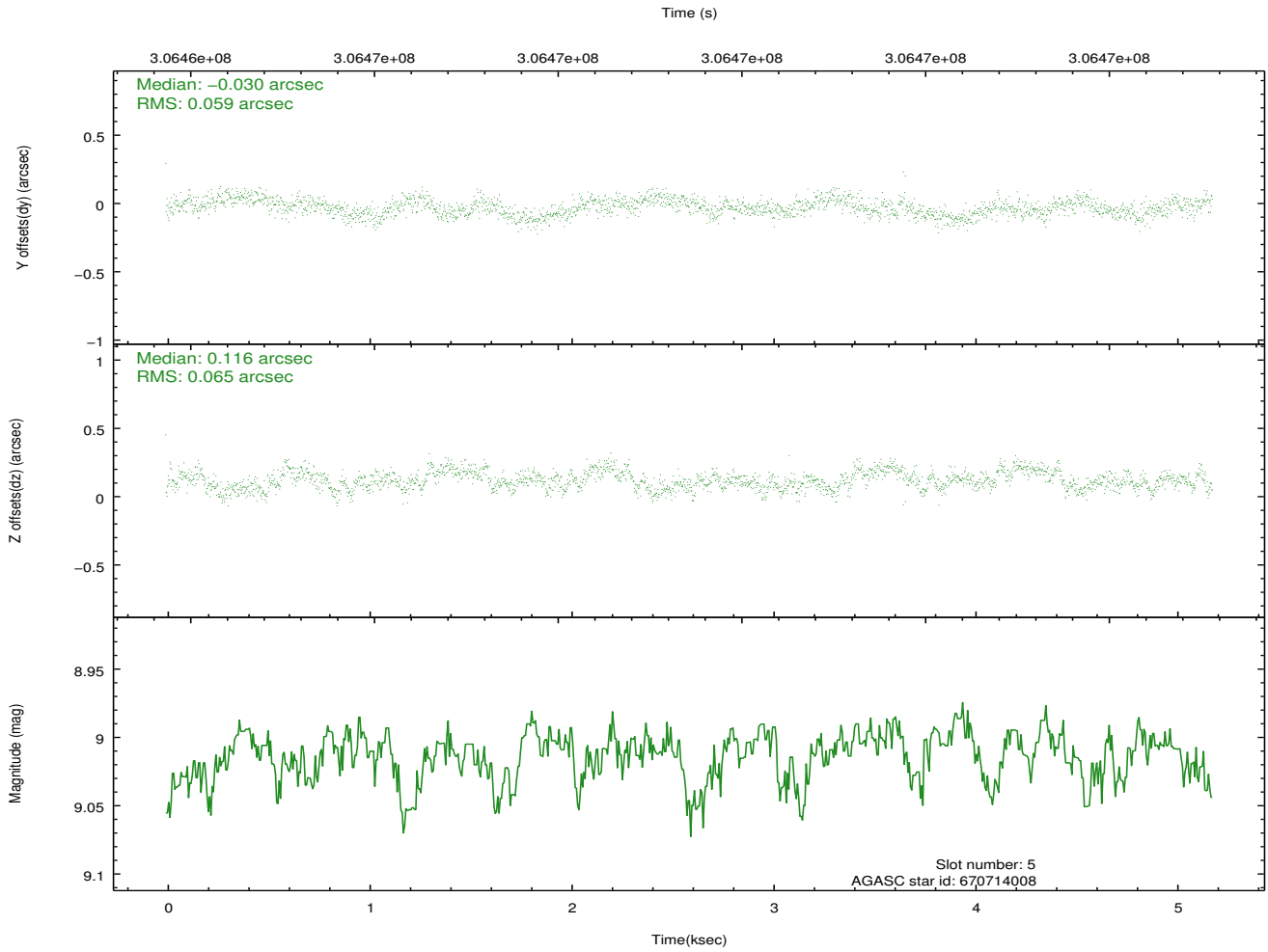
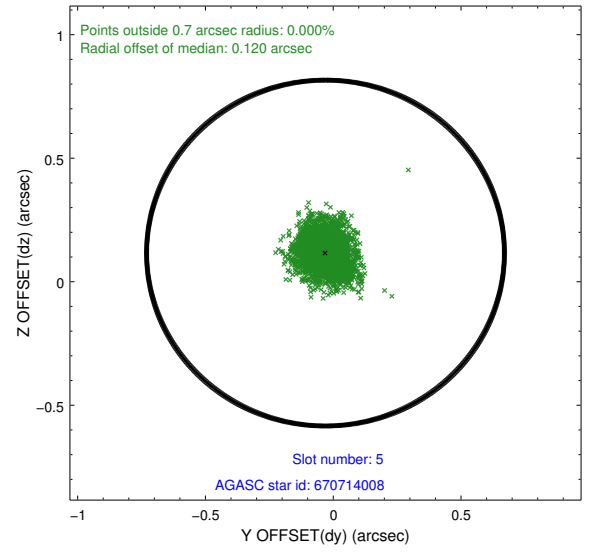
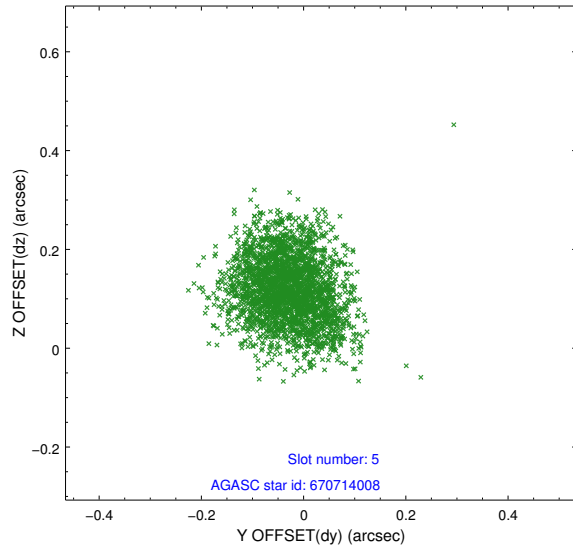
2.4.1 Slot 3



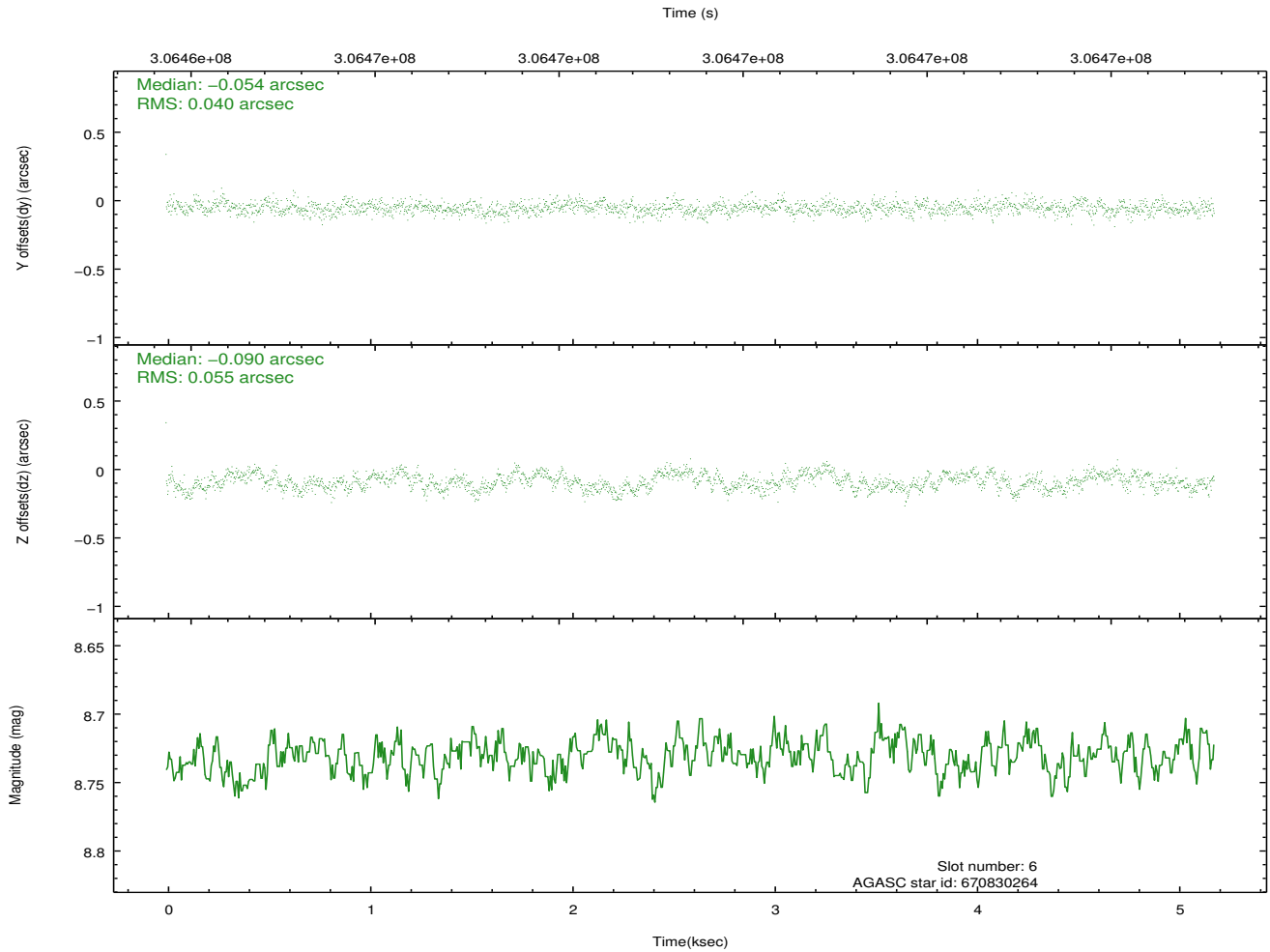
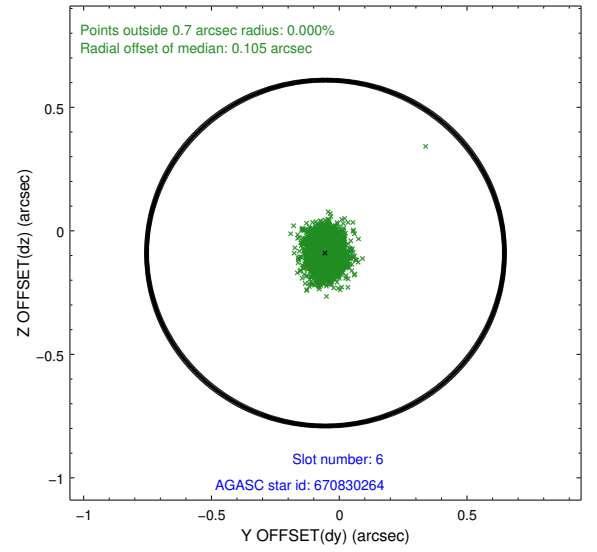
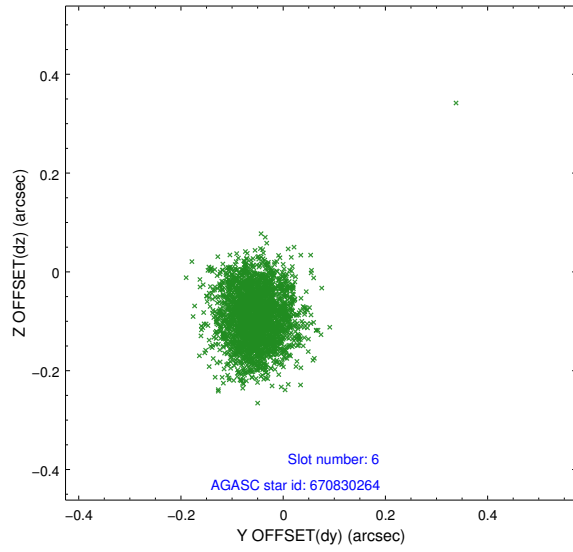
2.4.2 Slot 4



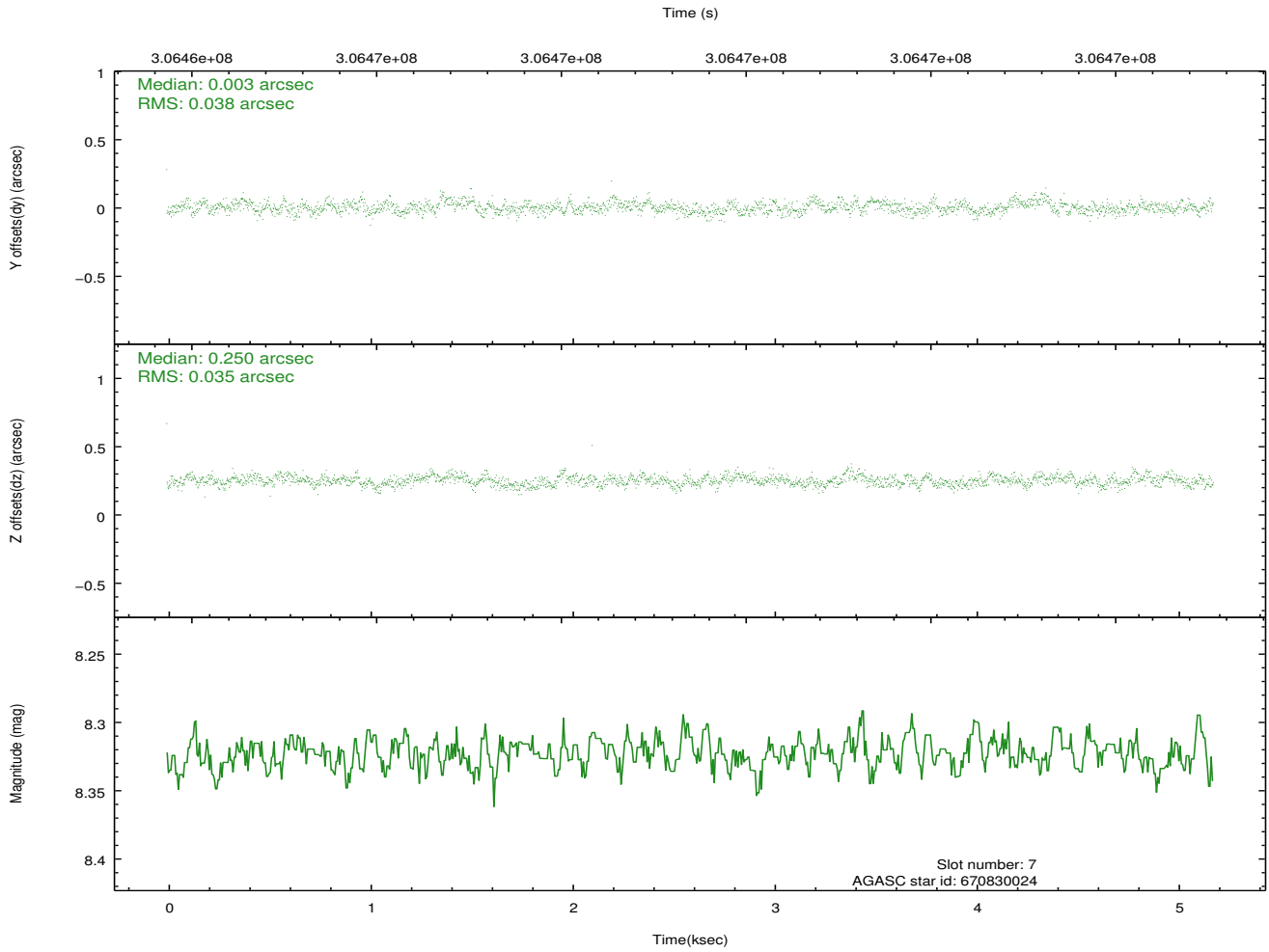
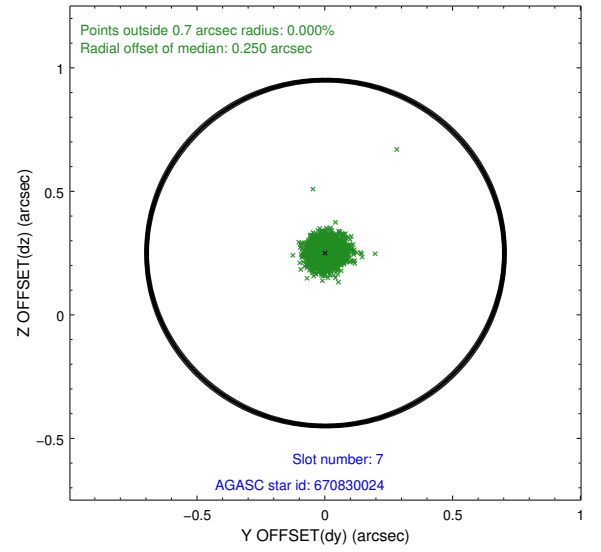
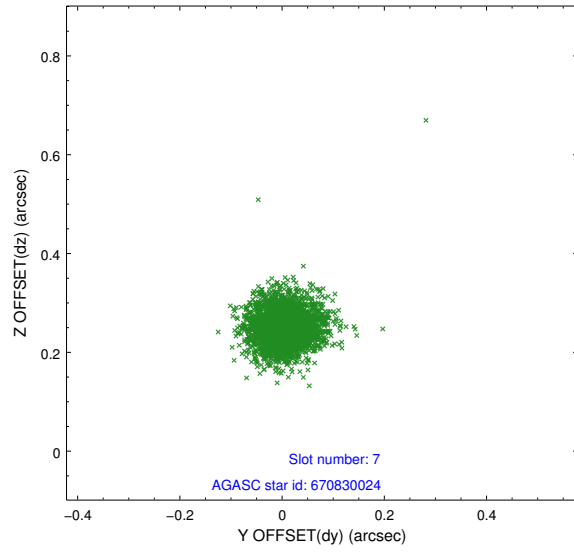
2.4.3 Slot 5



2.4.4 Slot 6

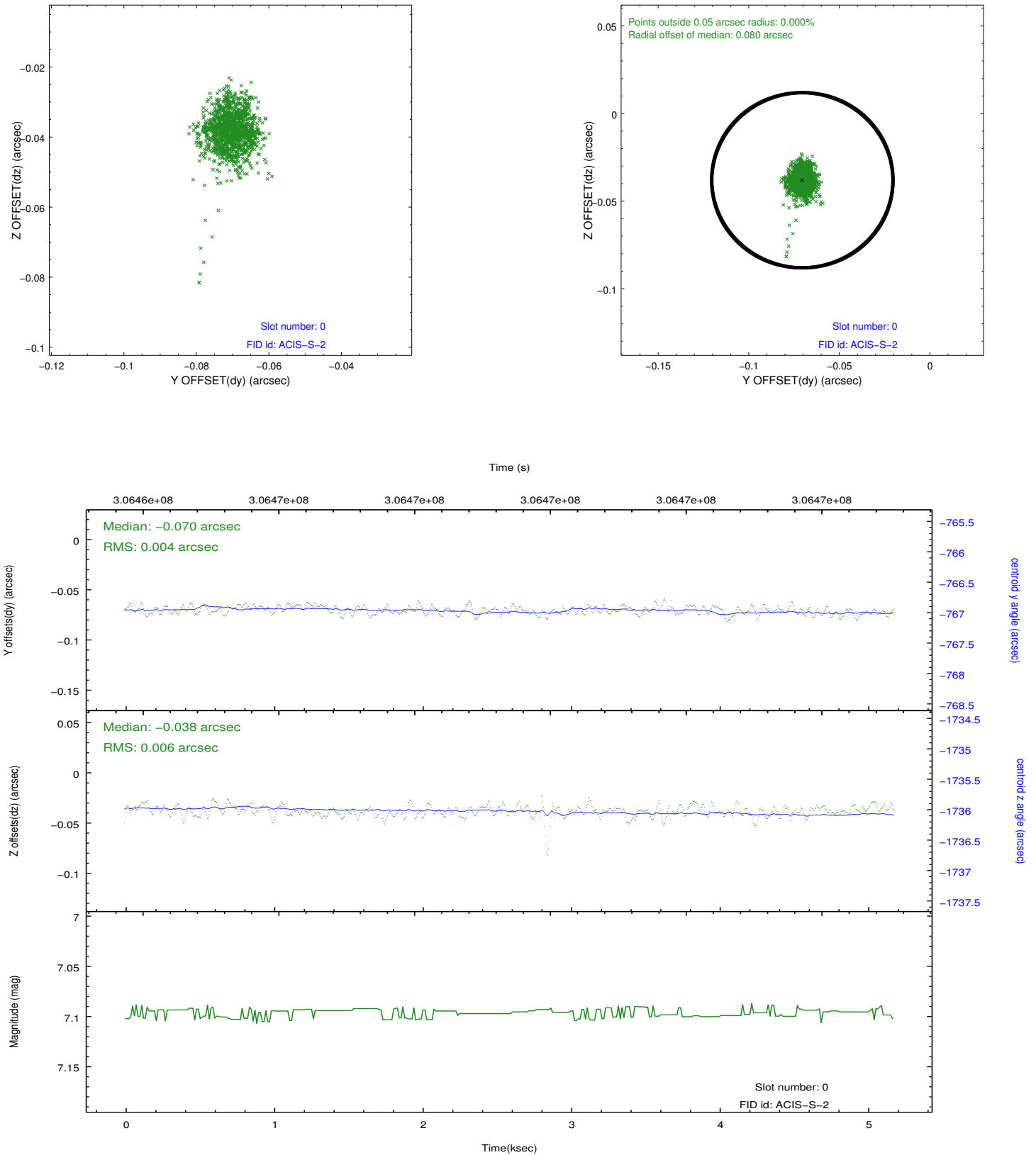


2.4.5 Slot 7

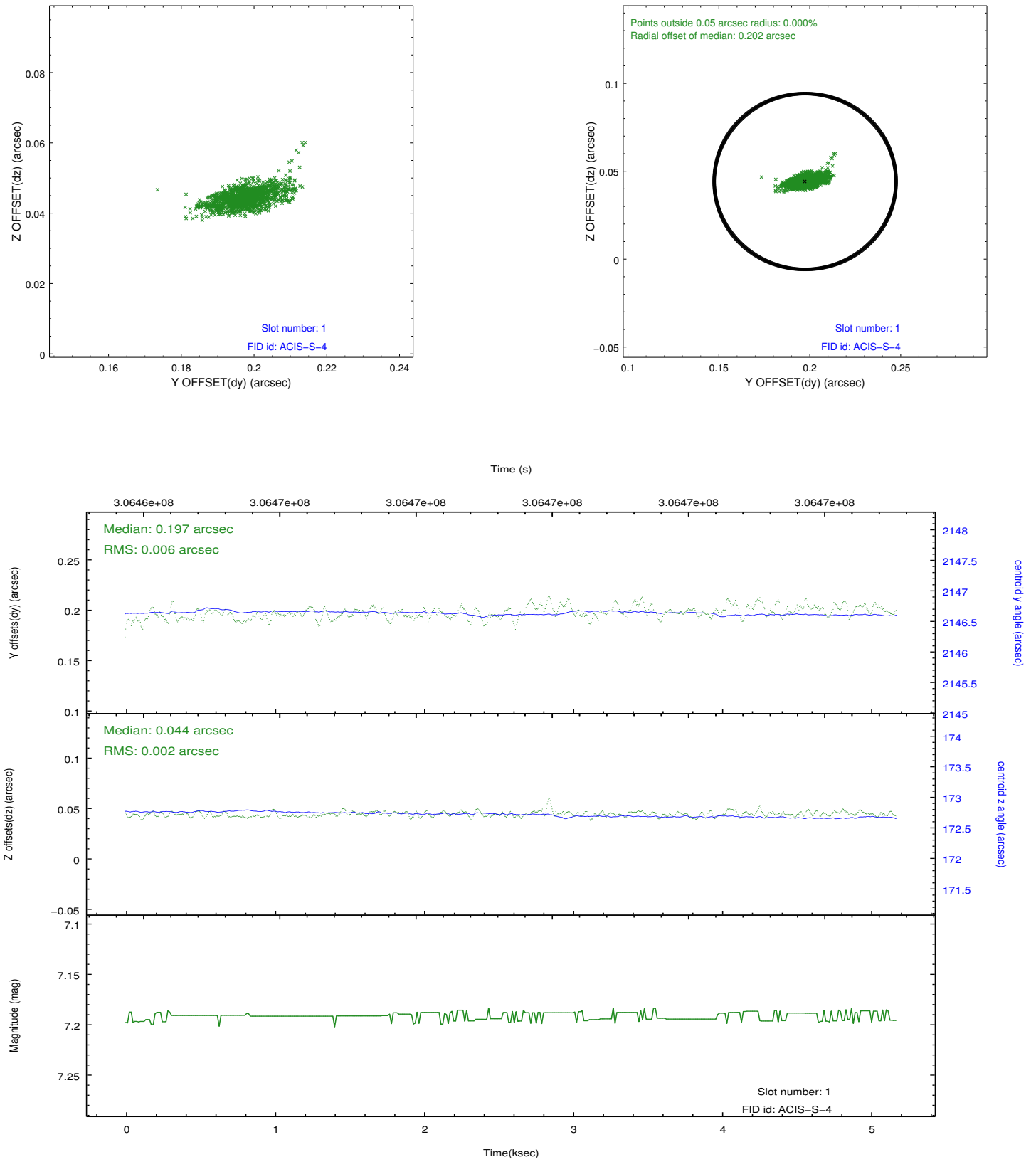


2.5 FID Slots

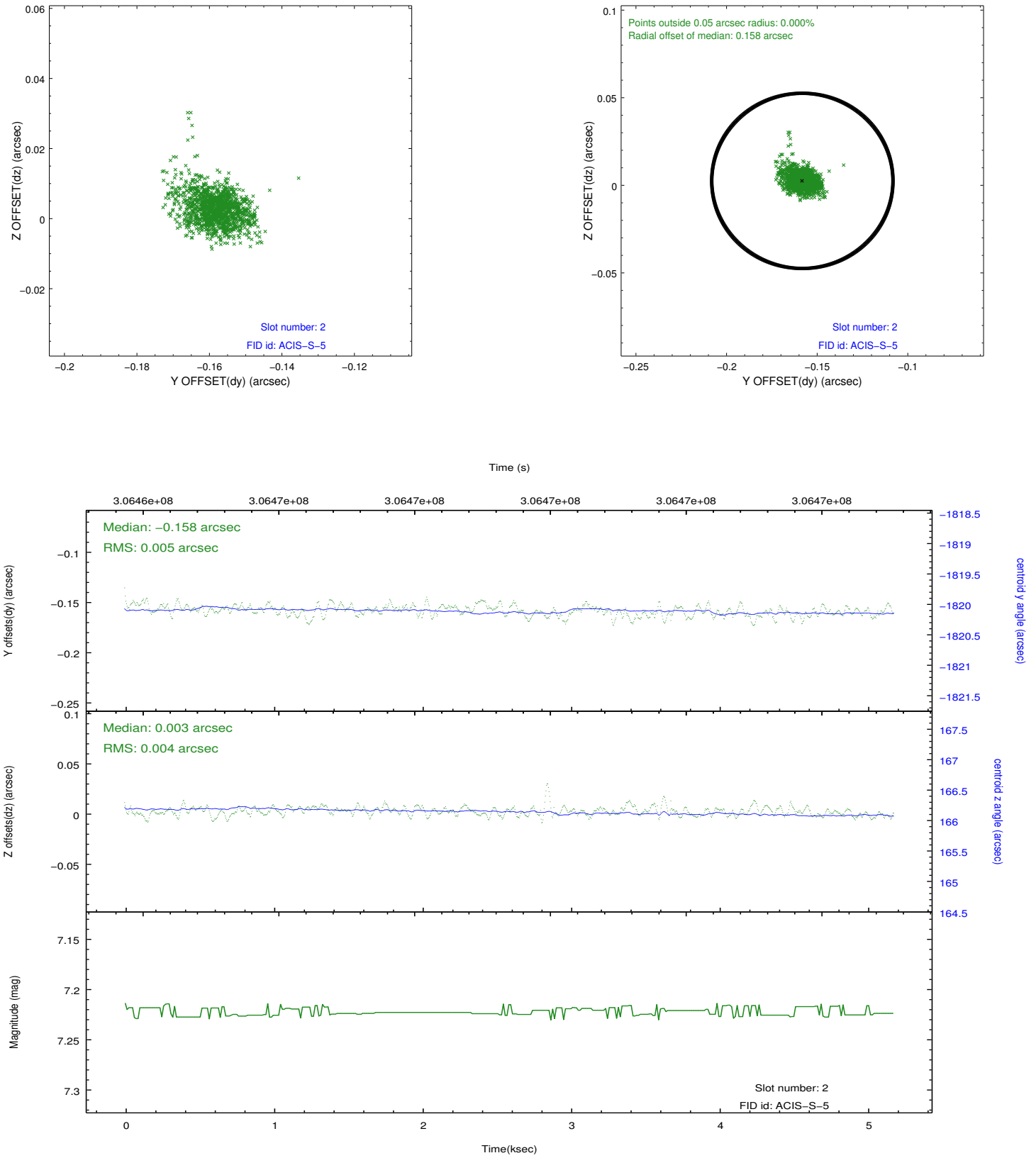
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.08799998

A.2 Comments