

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8237 - L2 Version 2
Chandra X-Ray Center

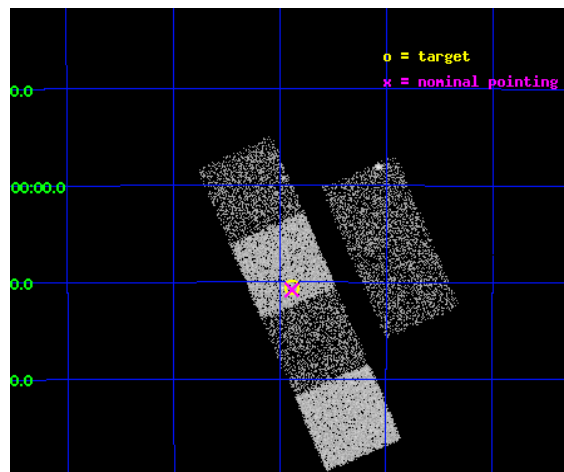
L2 Processing Date : May 3 2012

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1 Front

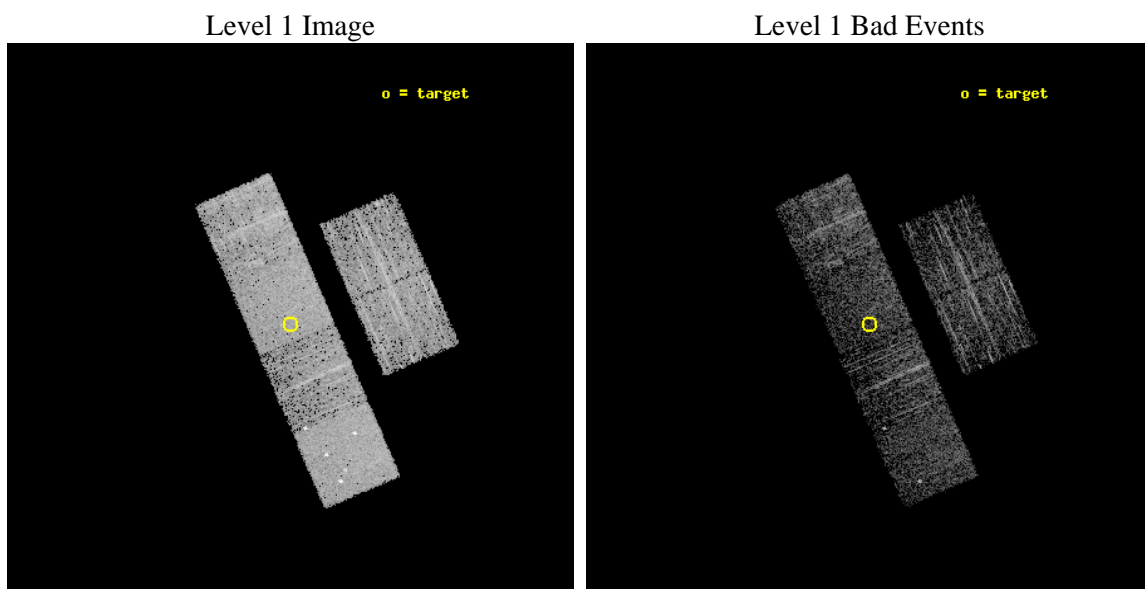
seq_num	900727	Sequence number
obs_id	8237	Observation id
title	Chandra Identification of Compact ASCA Galactic Objects - Part II	
observer	Dr. Stephen Murray	Principal investigator
object	AX J170052-4210	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	255.220833	Observer's specified target RA [deg]
dec_targ	-42.175	Observer's specified target Dec [deg]
ra_nom	255.22177845279	Nominal RA [deg]
dec_nom	-42.180037818047	Nominal Dec [deg]
roll_nom	246.54571851852	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1835.4947695732	Sum of GTIs [s]
livetime	1812.2526295986	Livetime [s]
ontime2	1835.5358095765	Sum of GTIs [s]
ontime3	1835.3716495633	Sum of GTIs [s]
ontime5	1835.4537295699	Sum of GTIs [s]
ontime6	1835.4126895666	Sum of GTIs [s]
ontime7	1835.4947695732	Sum of GTIs [s]
ontime8	1832.0895496011	Sum of GTIs [s]
l2events	29854	Number of level 2 events



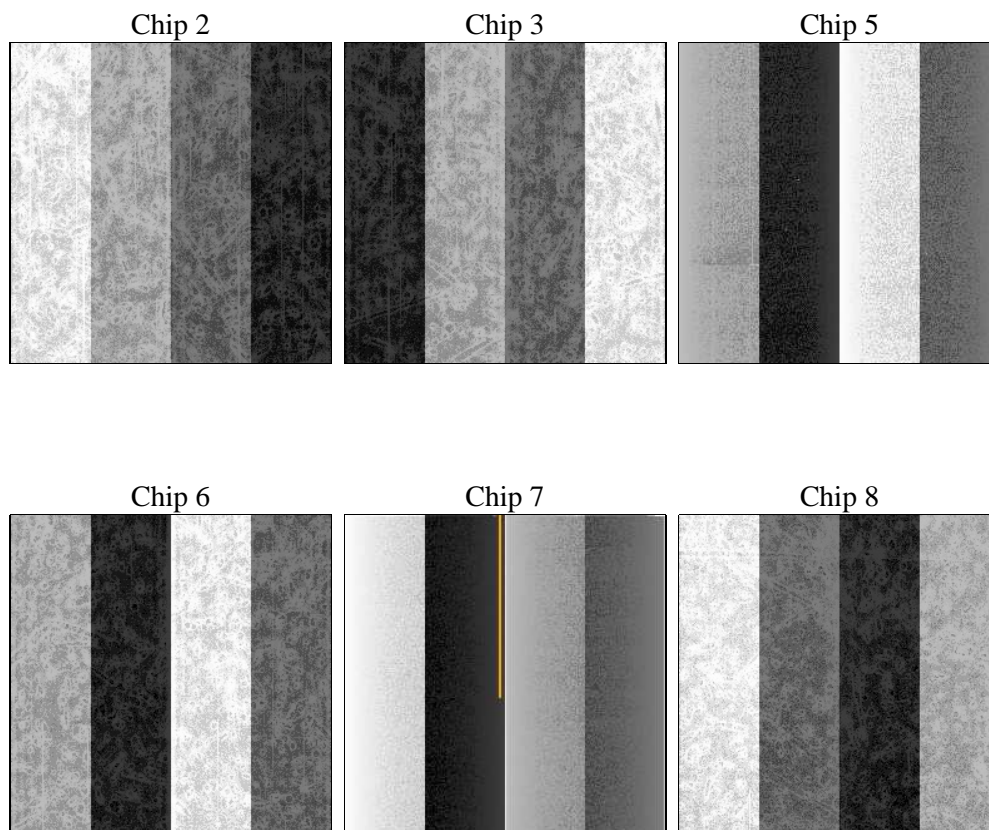
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2080.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1835.4947695732	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1835.5358095765	Sum of GTIs [s]
date	2012-05-03T12:26:46	Date and time of file creation	ontime3	1835.3716495633	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1835.4537295699	Sum of GTIs [s]
			ontime6	1835.4126895666	Sum of GTIs [s]
			ontime7	1835.4947695732	Sum of GTIs [s]
			ontime8	1832.0895496011	Sum of GTIs [s]
			l1events	134459	Number of level 1 events

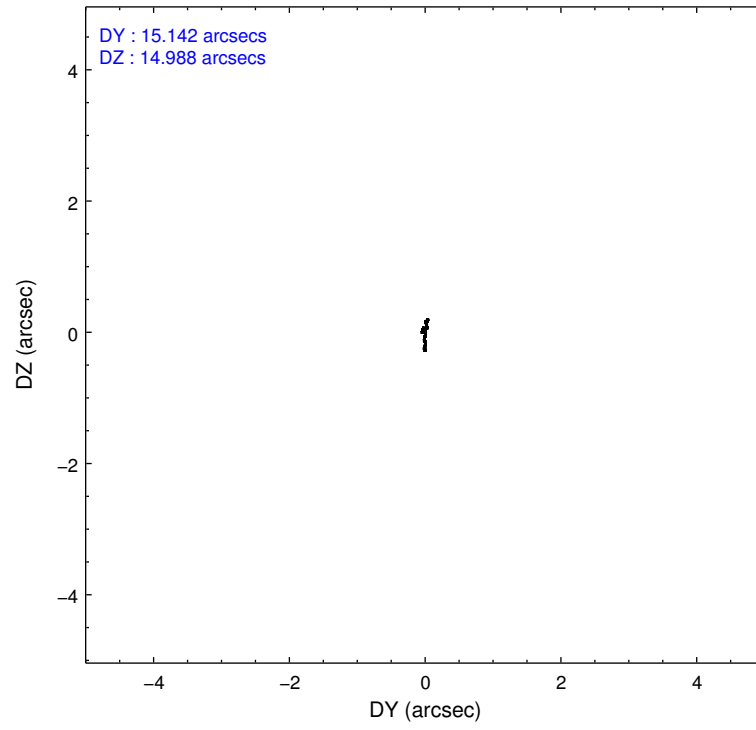
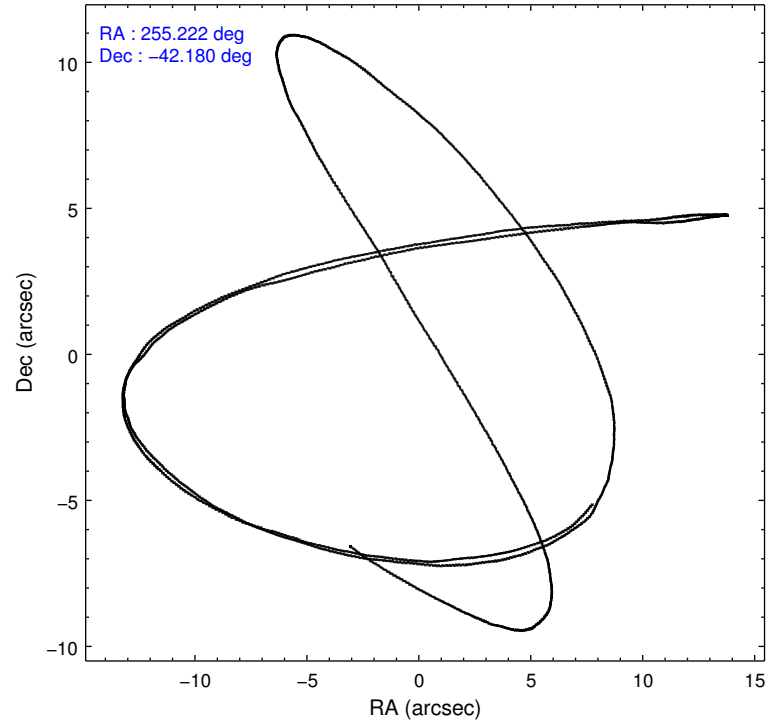
2.1.4 Events

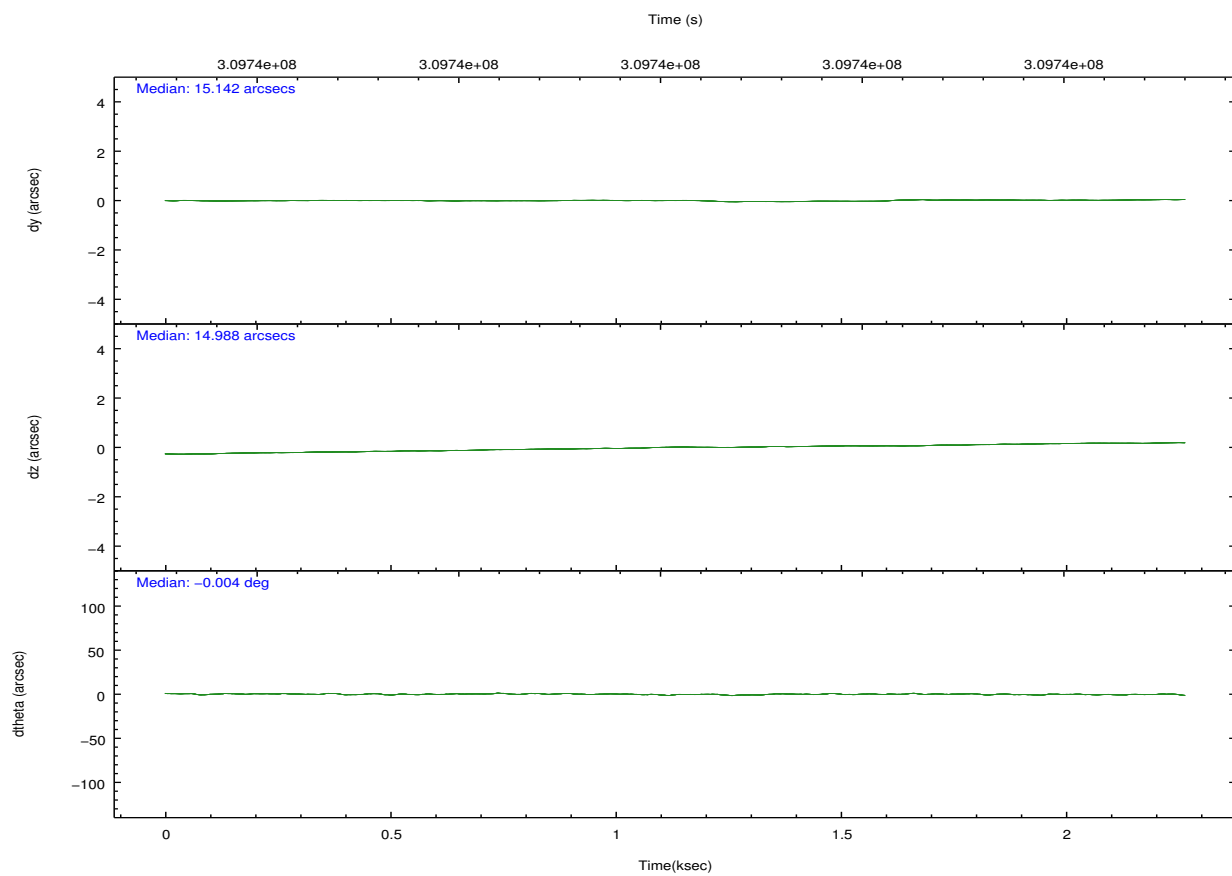
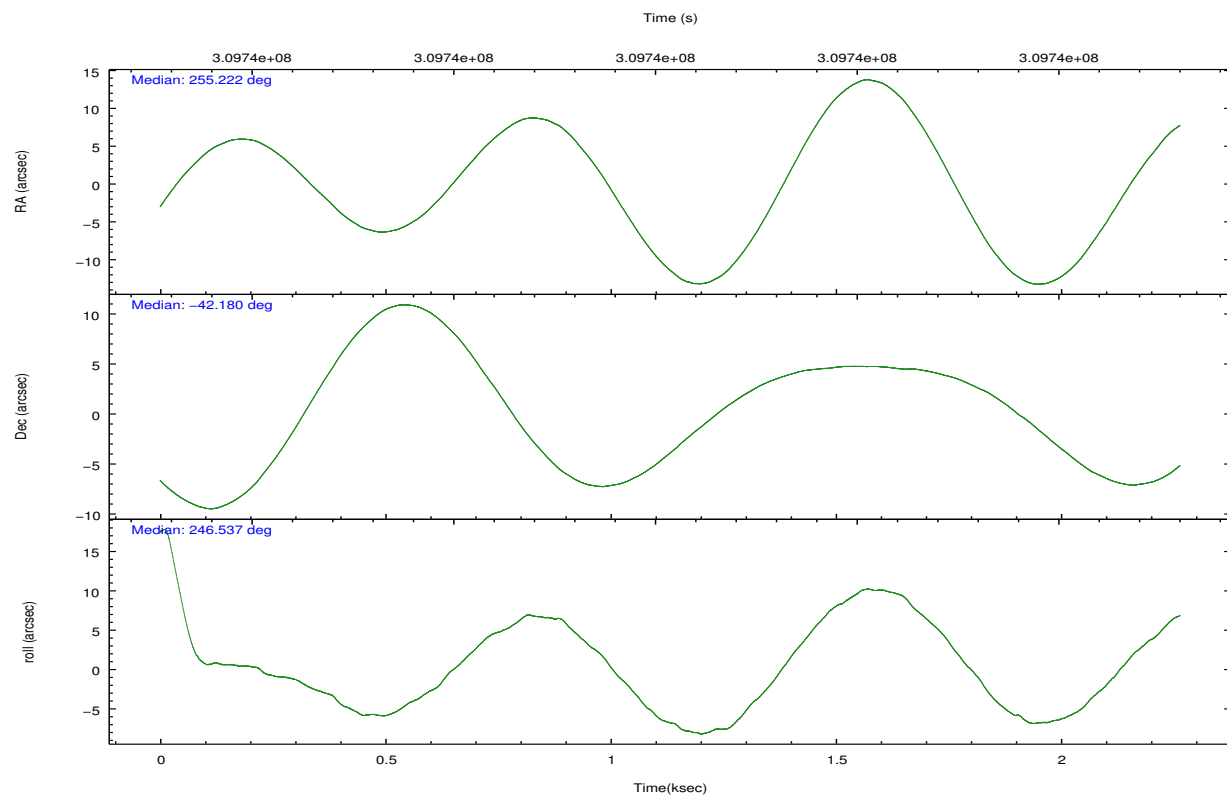
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19559	17996	28696	18194	24574	25440	grade 0 events	1027	1115	1932	904	906	1599
rejected events	17297	15653	14642	15943	14331	20359		5%	6%	6%	4%	3%	6%
rejected %	88%	86%	51%	87%	58%	80%	grade 1 events	16	19	212	7	24	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	480	394	4233	499	2106	1144
								2%	2%	14%	2%	8%	4%
							grade 3 events	199	222	486	208	871	529
								1%	1%	1%	1%	3%	2%
							grade 4 events	195	201	471	201	869	494
								0%	1%	1%	1%	3%	1%
							grade 5 events	677	823	2040	812	2245	1084
								3%	4%	7%	4%	9%	4%
							grade 6 events	370	414	6982	447	5530	1342
								1%	2%	24%	2%	22%	5%
							grade 7 events	16595	14808	12340	15116	12023	19219
								84%	82%	43%	83%	48%	75%

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	255.217071	255.2217784527893	CCD I2 on	O2	Y
[deg] Pointing Dec	-42.152681	-42.1800378180468	CCD I3 on	O3	Y
[deg] Pointing Roll	246.385938	246.5457185185169	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	O5	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	O4	Y
[s] Observation start time (MET)	309742582.184000	309742051.57309	CCD S5 on	N	N
Observation start date	2007-10-25T23:35:17	2007-10-25T23:27:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309744662.184000	309744824.19823	On-chip summing requested	N	N
Observation end date	2007-10-26T00:09:57	2007-10-26T00:13:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



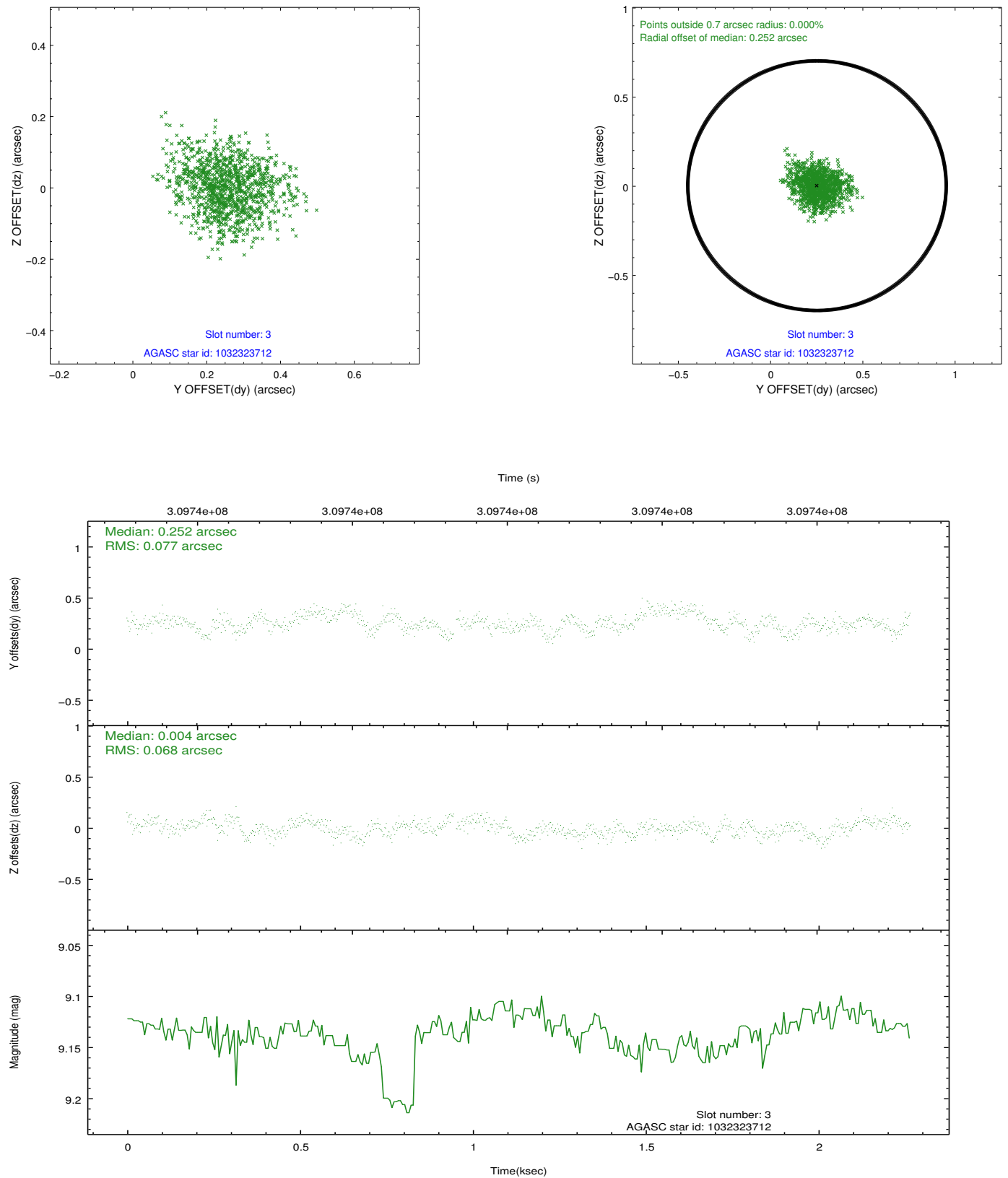


Slot Statistics

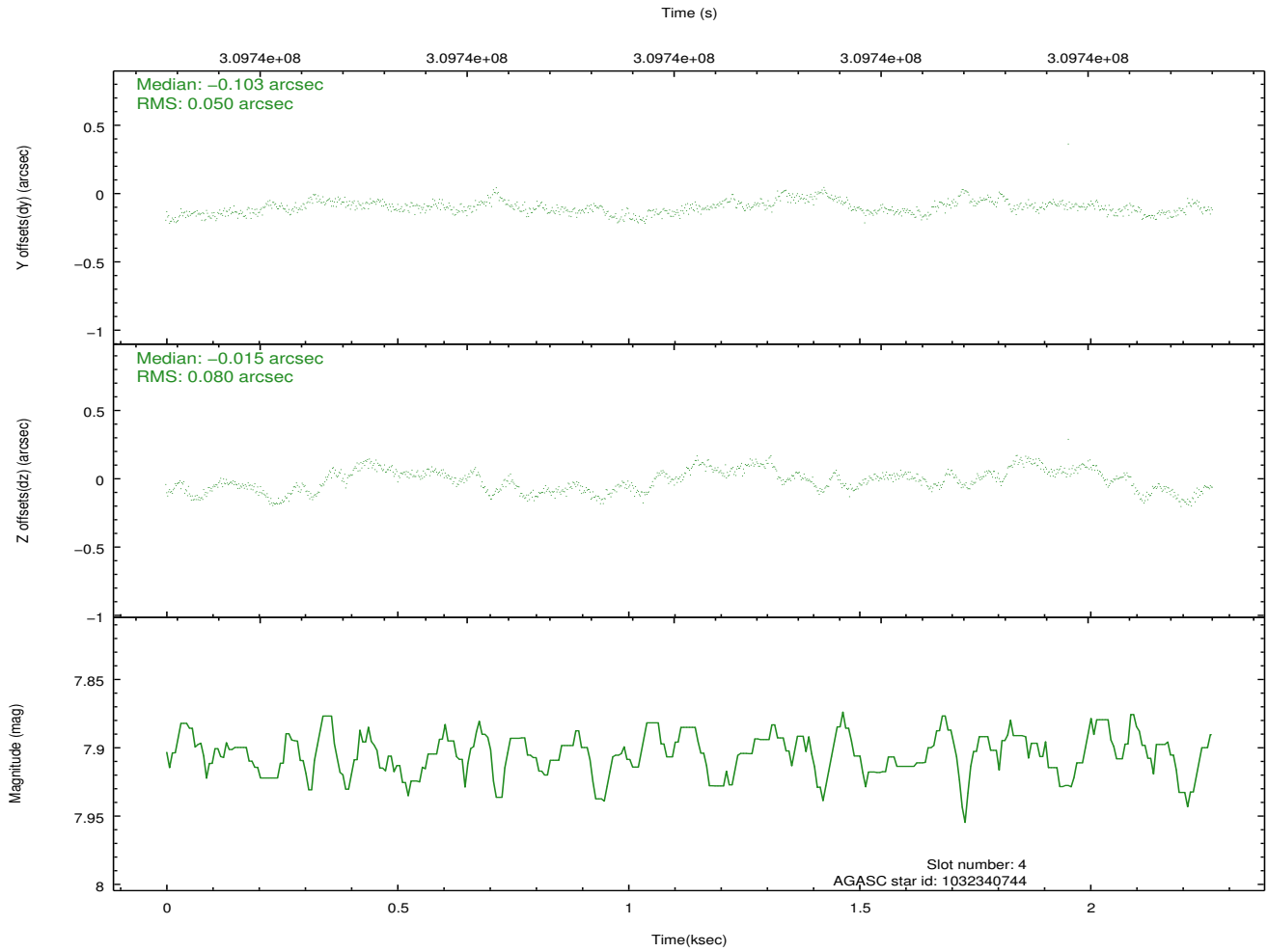
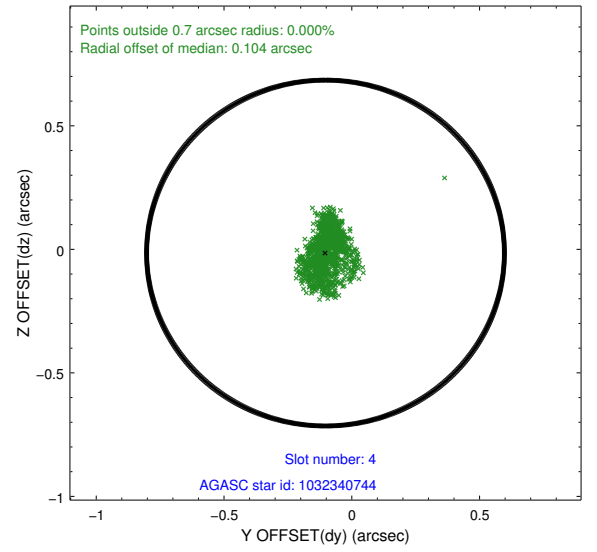
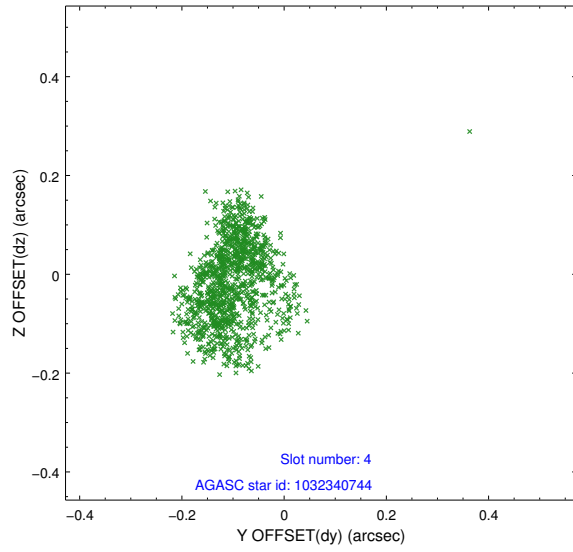
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	553	-0.100	-0.024	0.007	0.012	0.000000	0.000000	-768.21	-1736.32
1	FID	ACIS-S-4	7.19	553	0.196	0.055	0.005	0.010	0.000000	0.000000	2144.04	169.28
2	FID	ACIS-S-5	7.22	553	-0.127	-0.022	0.007	0.013	0.000000	0.000000	-1817.41	166.12
3	GUIDE	1032323712	9.14	1101	0.252	0.004	0.109	0.174	254.183673	-42.363410	1811.60	-2207.97
4	GUIDE	1032340744	7.90	1105	-0.103	-0.015	0.102	0.154	254.712738	-41.416040	-1879.47	-2310.78
5	GUIDE	1032341952	7.18	1106	-0.170	0.093	0.051	0.080	254.946907	-41.627000	-1443.91	-1426.12
6	GUIDE	1032454880	7.84	1106	0.016	-0.067	0.057	0.100	255.805803	-42.215139	-419.84	1528.93
7	GUIDE	1032456032	8.37	1105	0.002	-0.015	0.065	0.101	256.011351	-42.138769	-887.38	1927.73

2.4 Star Slots

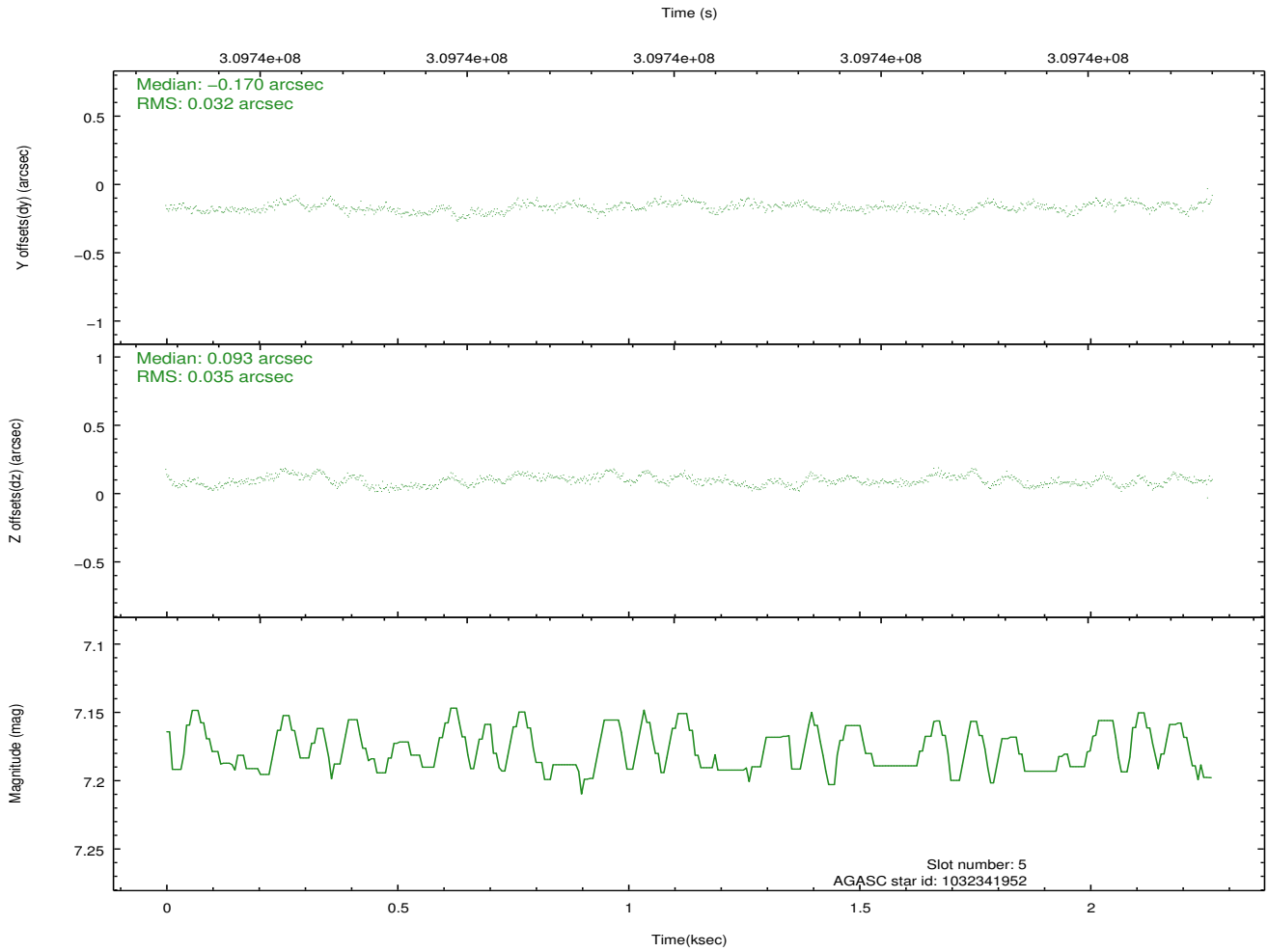
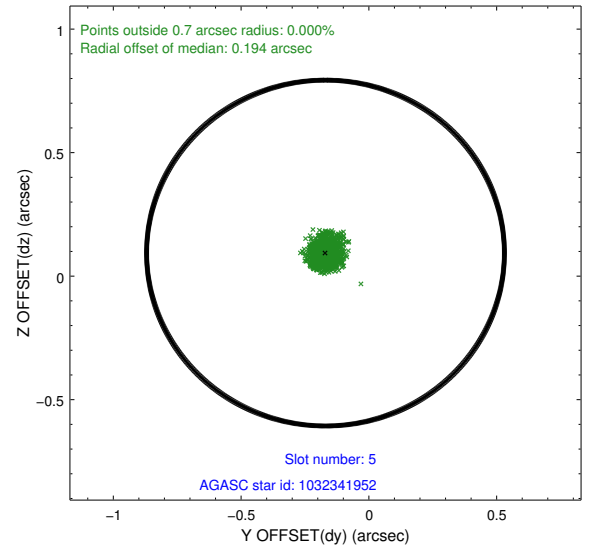
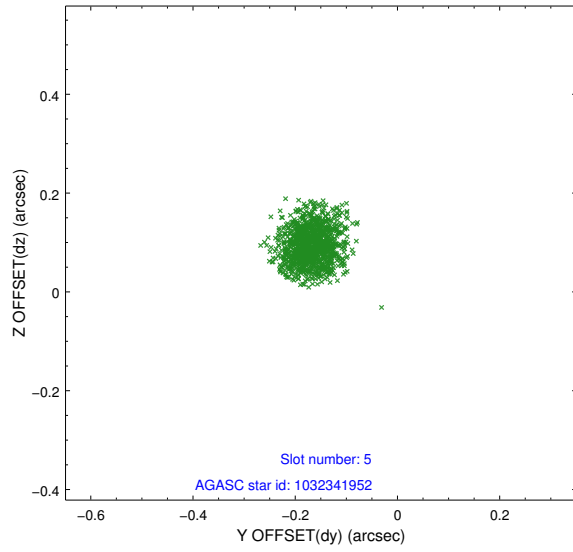
2.4.1 Slot 3



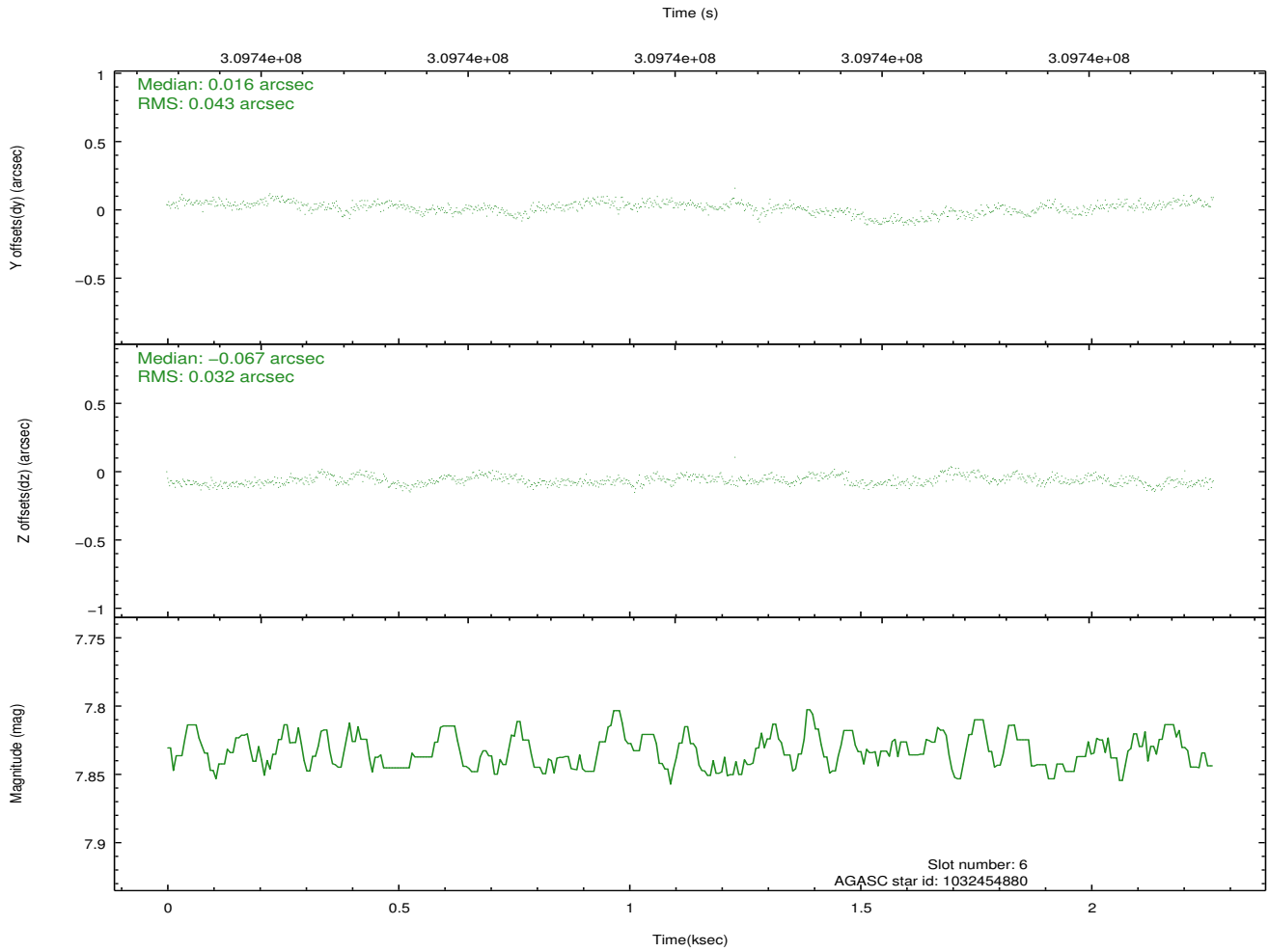
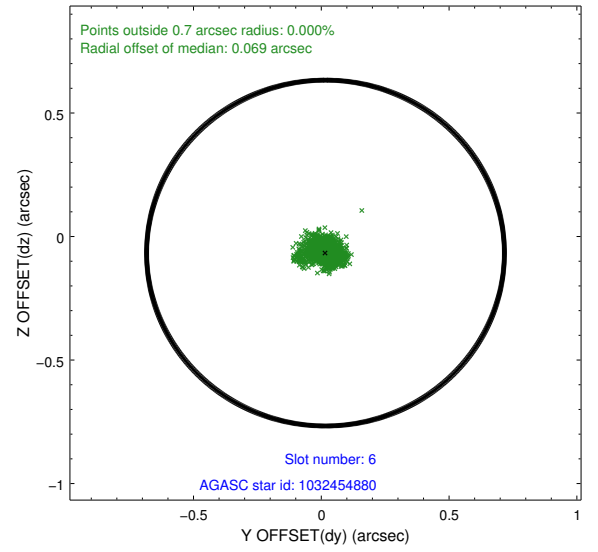
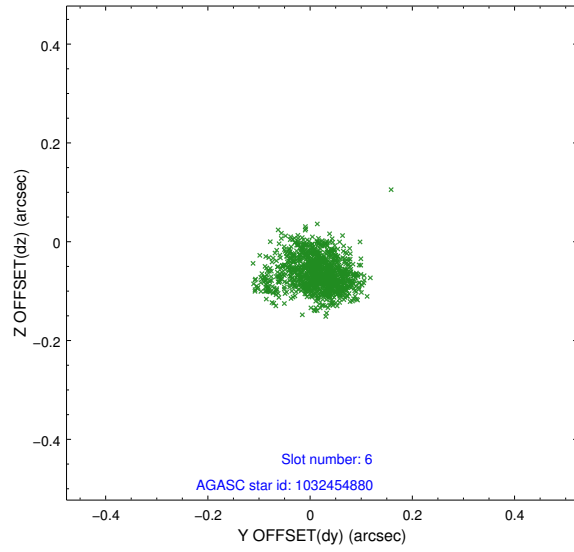
2.4.2 Slot 4



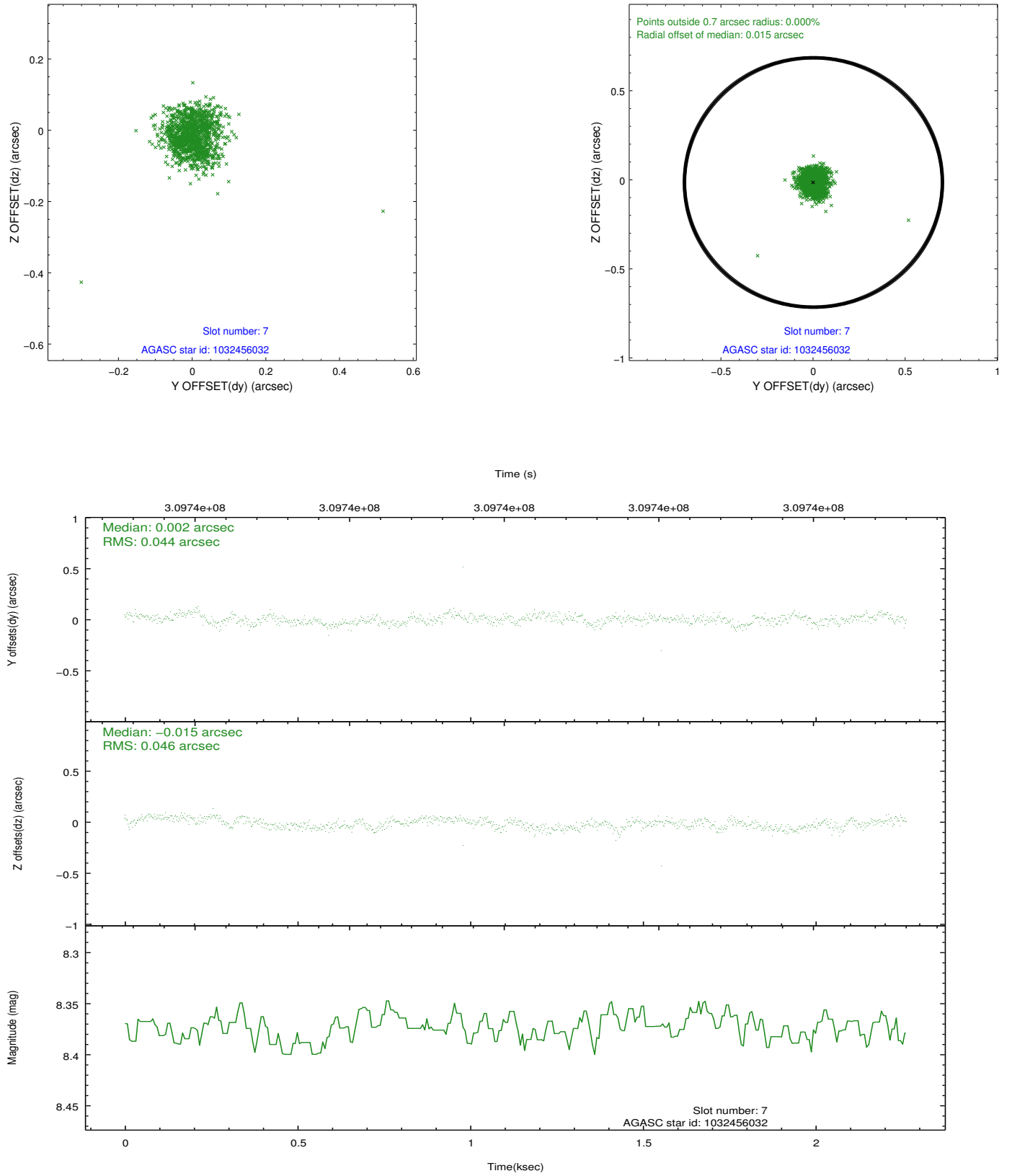
2.4.3 Slot 5



2.4.4 Slot 6

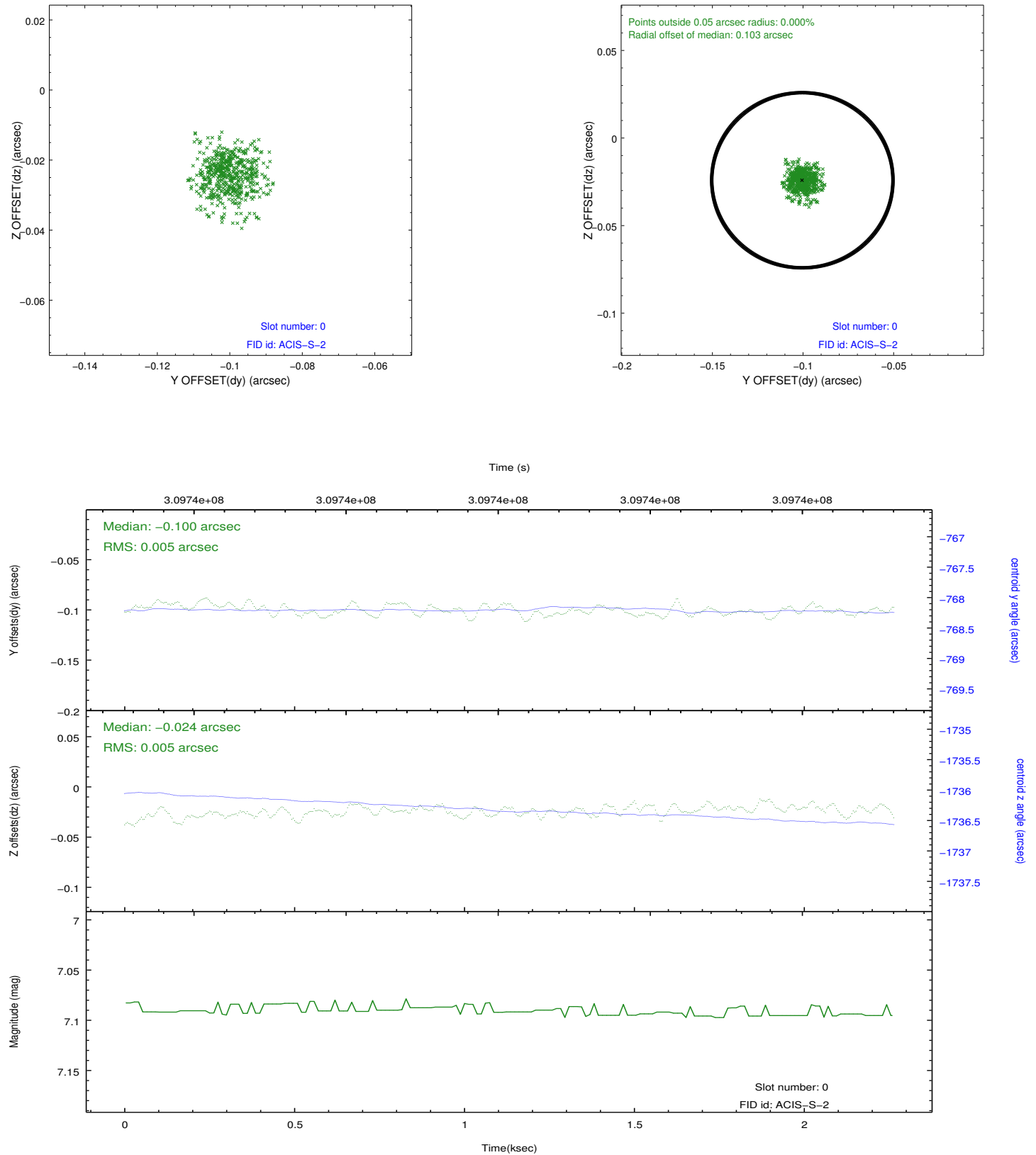


2.4.5 Slot 7

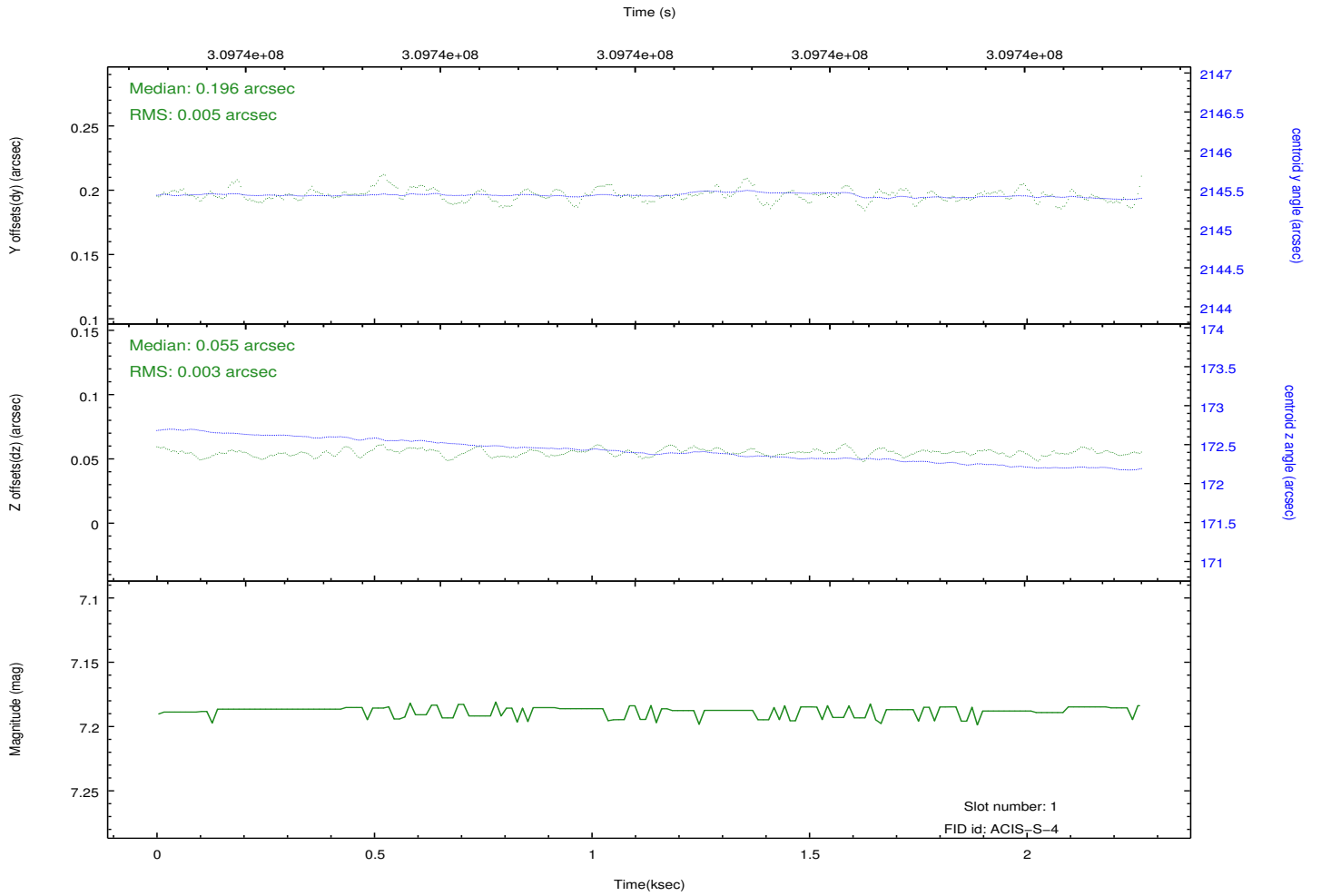
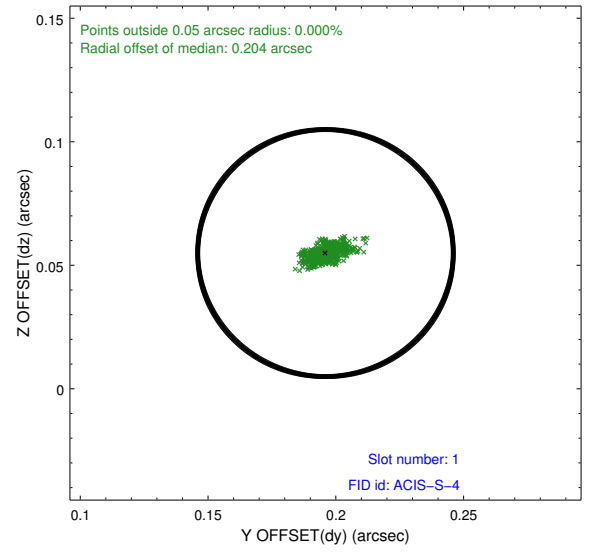
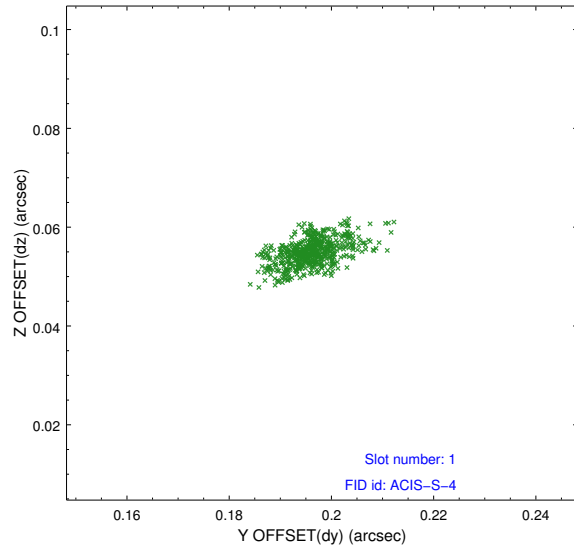


2.5 FID Slots

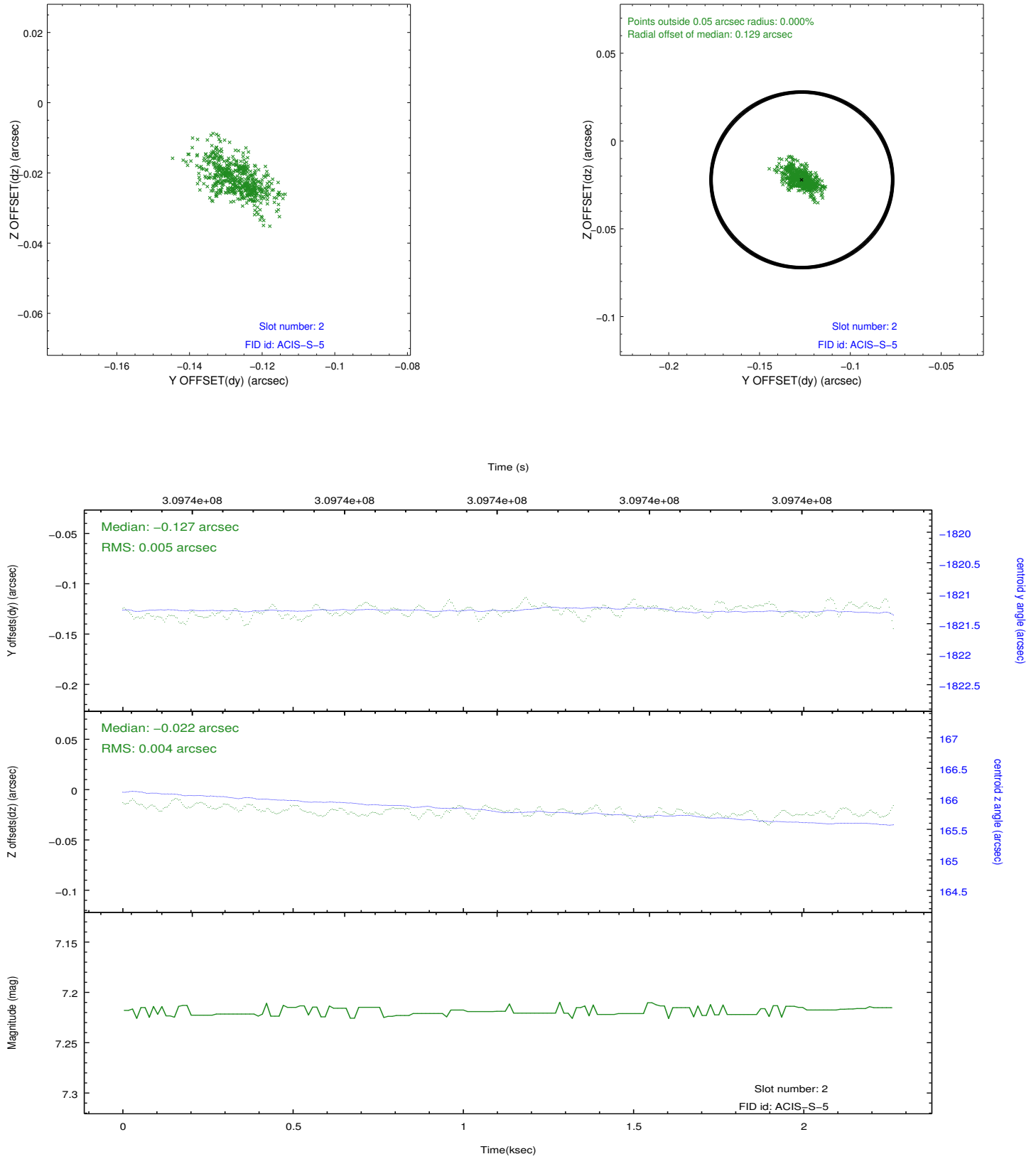
2.5.1 Slot 0



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	1.83679999

A.2 Comments