

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12680 - L2 Version 2
Chandra X-Ray Center

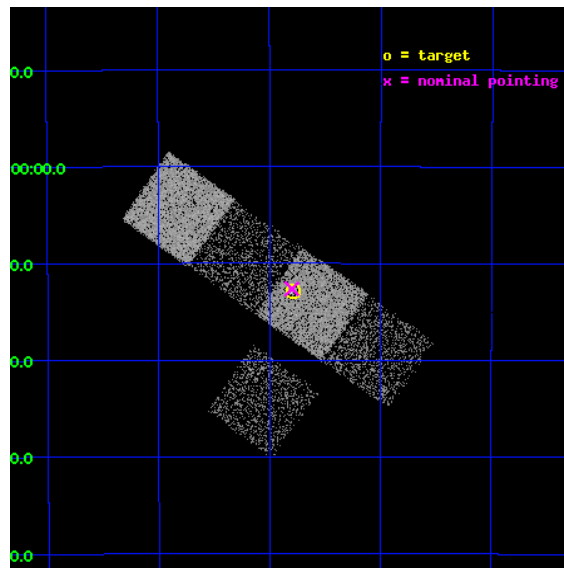
L2 Processing Date : Jul 7 2012

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1 Front

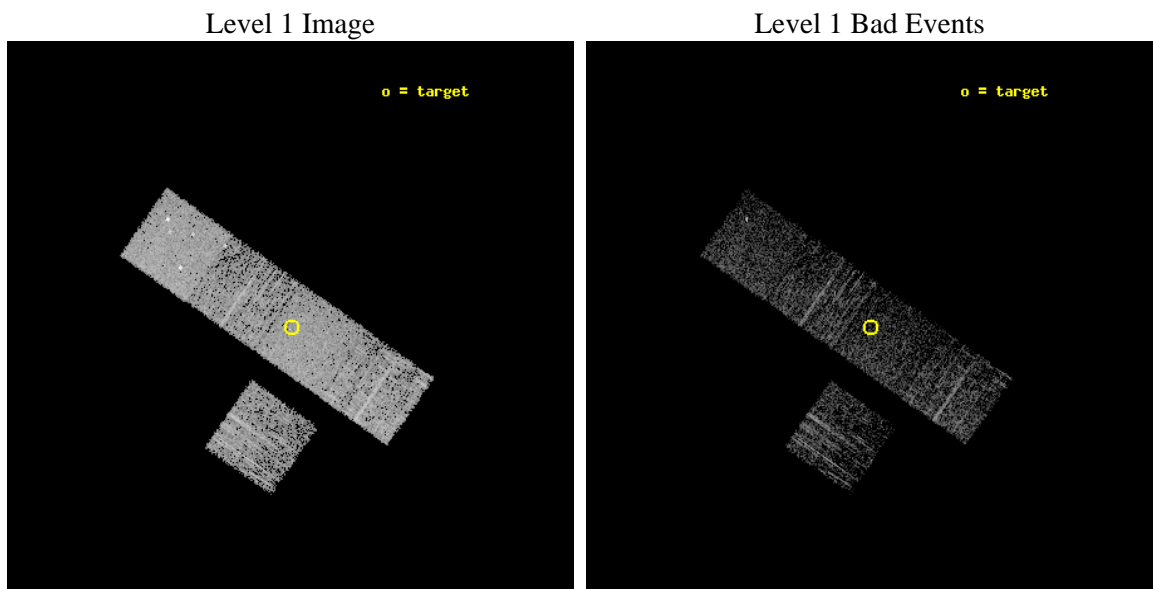
seq_num	501513	Sequence number
obs_id	12680	Observation id
title	Completing Identification of the Nearest and Brightest Neutron Stars	
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ064348.7-391256	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	100.947083	Observer's specified target RA [deg]
dec_targ	-39.215111	Observer's specified target Dec [deg]
ra_nom	100.94961512009	Nominal RA [deg]
dec_nom	-39.210577656024	Nominal Dec [deg]
roll_nom	35.074429357862	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2035.741102457	Sum of GTIs [s]
livetime	2009.1426462626	Livetime [s]
ontime3	2035.6179824471	Sum of GTIs [s]
ontime5	2035.7000624537	Sum of GTIs [s]
ontime6	2032.5180121064	Sum of GTIs [s]
ontime7	2035.741102457	Sum of GTIs [s]
ontime8	2035.5769424438	Sum of GTIs [s]
l2events	22744	Number of level 2 events



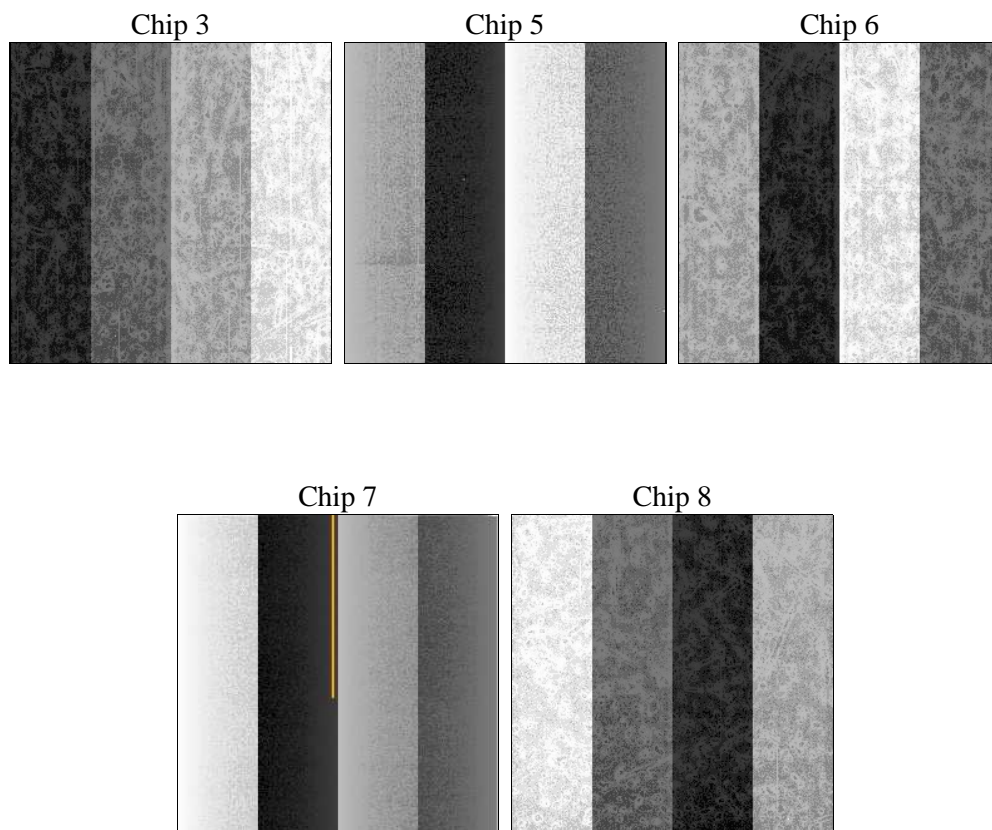
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2035.741102457	Sum of GTIs [s]
caldsver	4.5.0	 	ontime3	2035.6179824471	Sum of GTIs [s]
date	2012-07-07T16:34:56	Date and time of file creation	ontime5	2035.7000624537	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2032.5180121064	Sum of GTIs [s]
			ontime7	2035.741102457	Sum of GTIs [s]
			ontime8	2035.5769424438	Sum of GTIs [s]
			l1events	89004	Number of level 1 events

2.1.4 Events

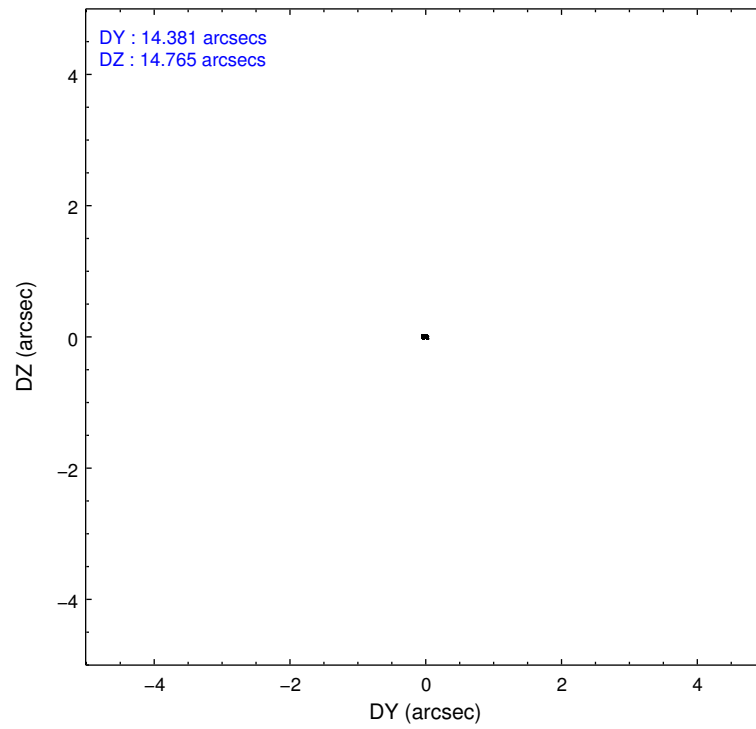
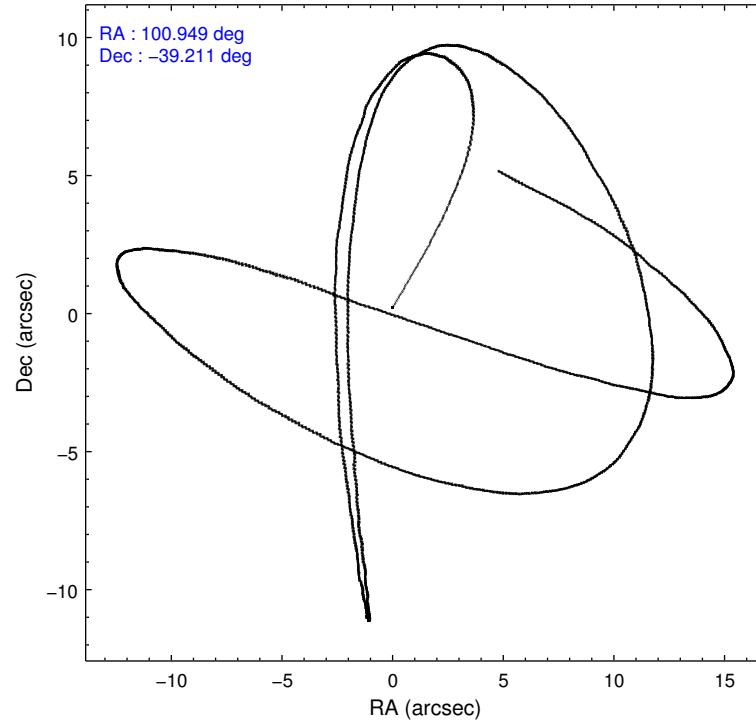
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13798	23316	14742	18373	18775
rejected events	12316	11373	13093	10227	14044
rejected %	89%	48%	88%	55%	74%

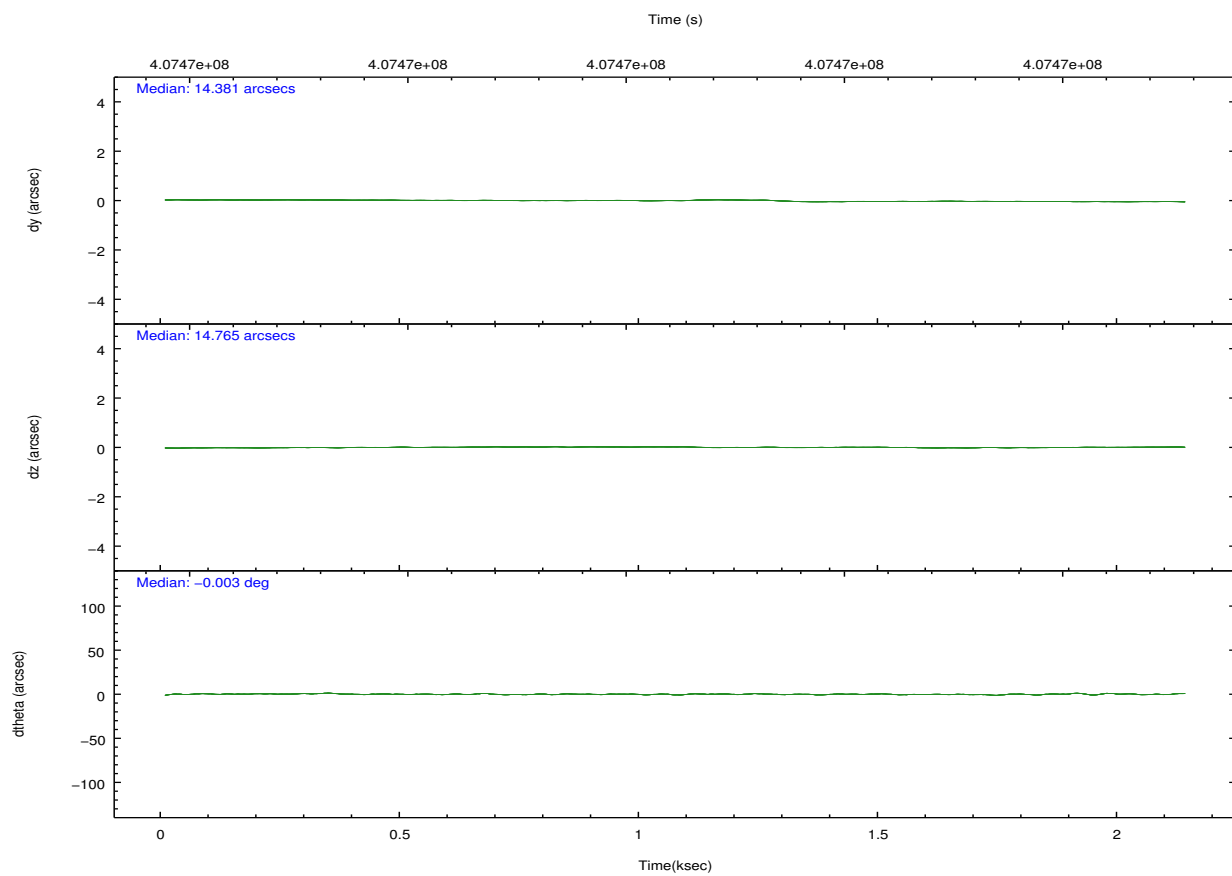
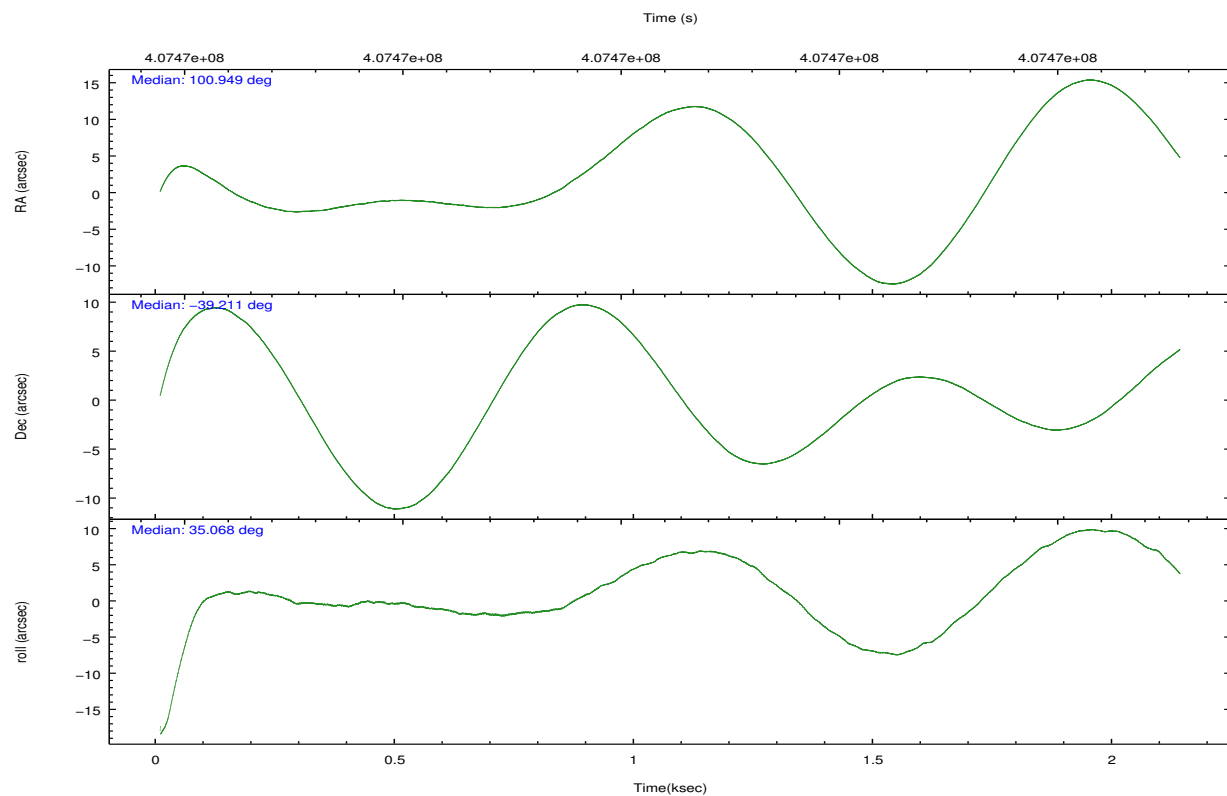
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	490	1565	581	771	1390
	3%	6%	3%	4%	7%
grade 1 events	13	64	10	19	14
	0%	0%	0%	0%	0%
grade 2 events	336	3780	372	1626	1119
	2%	16%	2%	8%	5%
grade 3 events	162	421	161	698	516
	1%	1%	1%	3%	2%
grade 4 events	165	384	170	744	478
	1%	1%	1%	4%	2%
grade 5 events	668	1704	646	1812	983
	4%	7%	4%	9%	5%
grade 6 events	339	5833	371	4324	1261
	2%	25%	2%	23%	6%
grade 7 events	11625	9565	12431	8379	13014
	84%	41%	84%	45%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	100.935107	100.9496151200904	CCD I2 on	N	N
[deg] Pointing Dec	-39.235602	-39.2105776560239	CCD I3 on	Y	Y
[deg] Pointing Roll	34.908732	35.07442935786221	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	407471184.184000	407470093.38033	CCD S5 on	N	N
Observation start date	2010-11-30T02:25:18	2010-11-30T02:08:13	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	407473184.184000	407473639.36801	On-chip summing requested	N	N
Observation end date	2010-11-30T02:58:38	2010-11-30T03:07:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



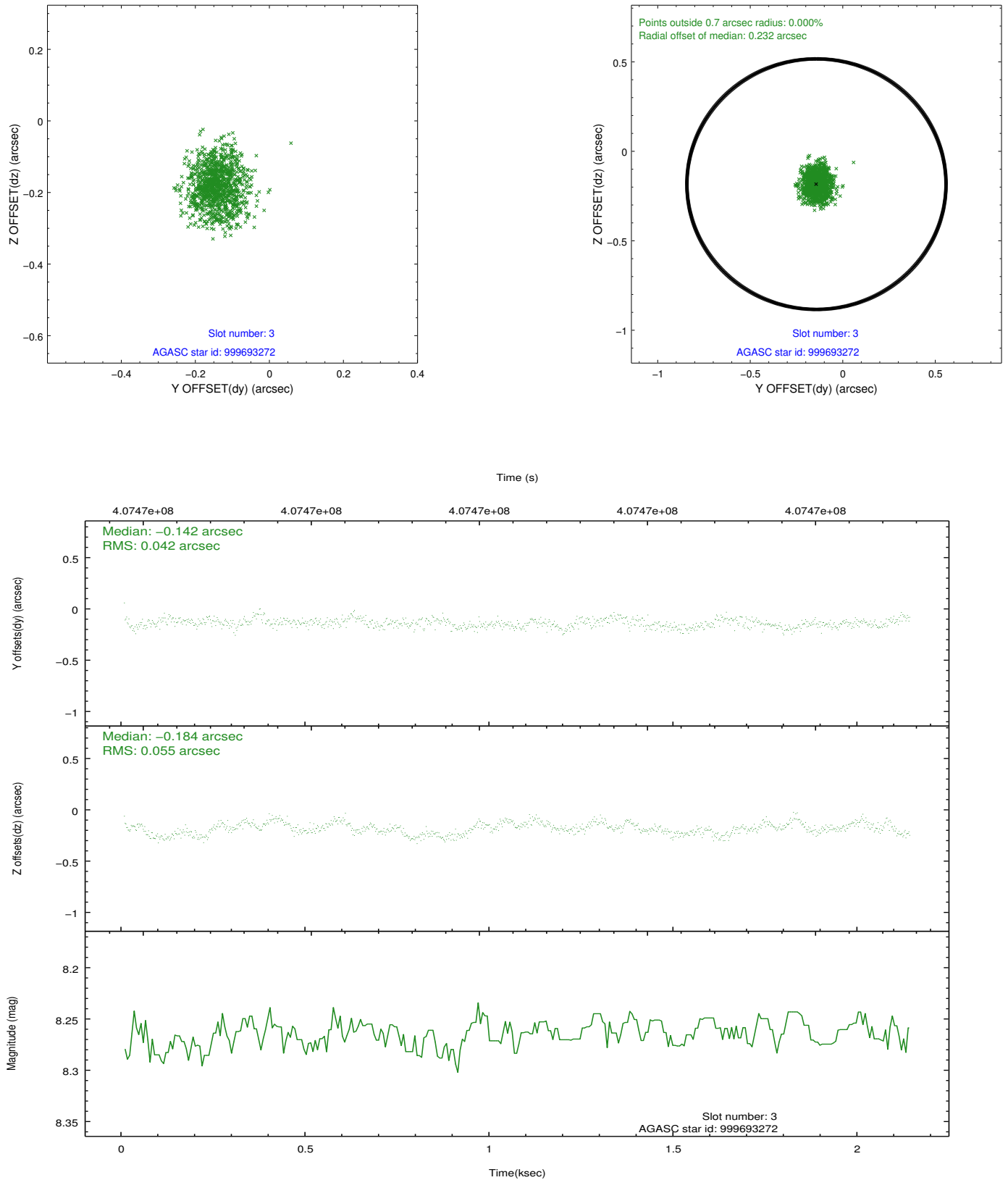


Slot Statistics

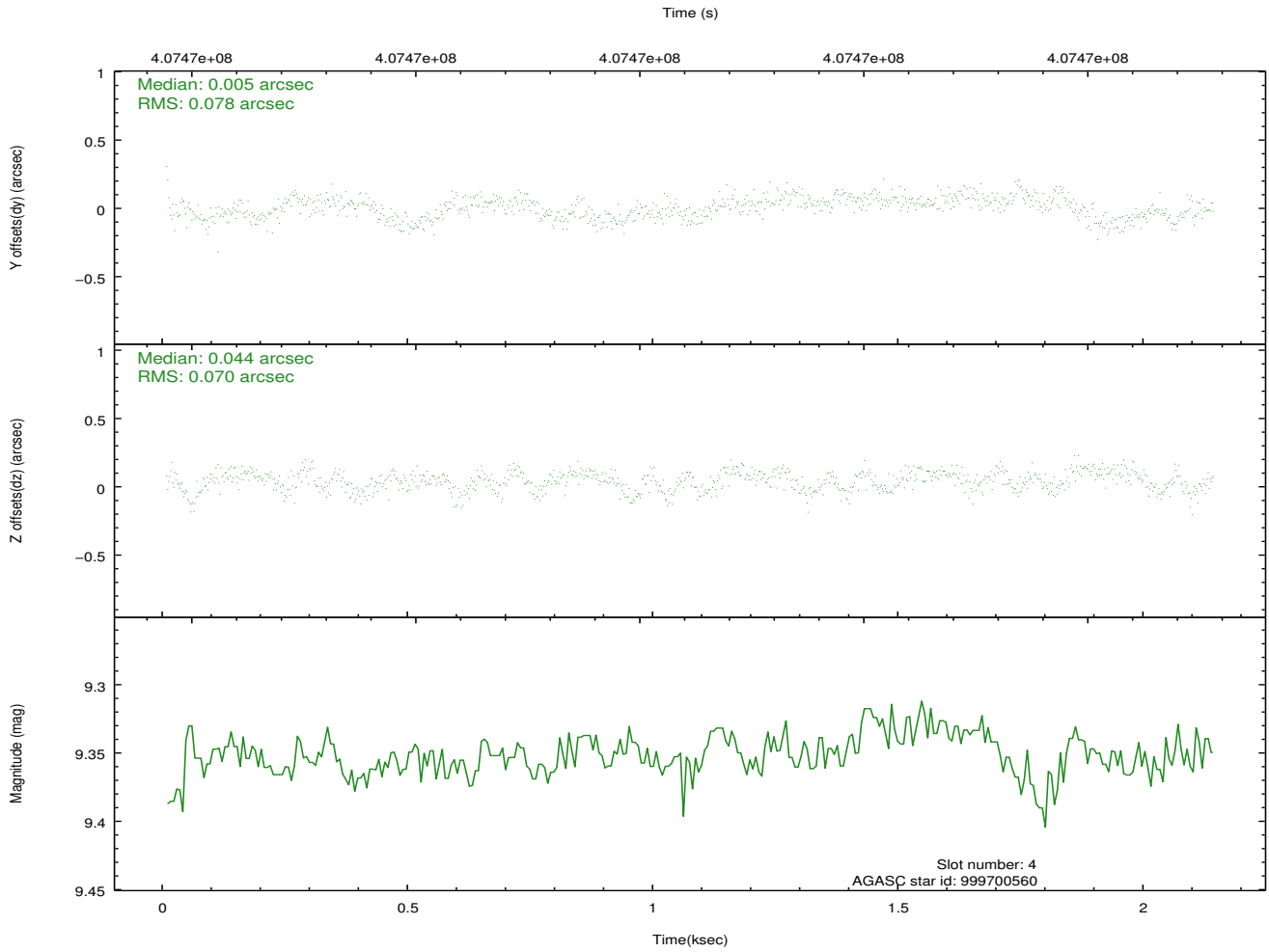
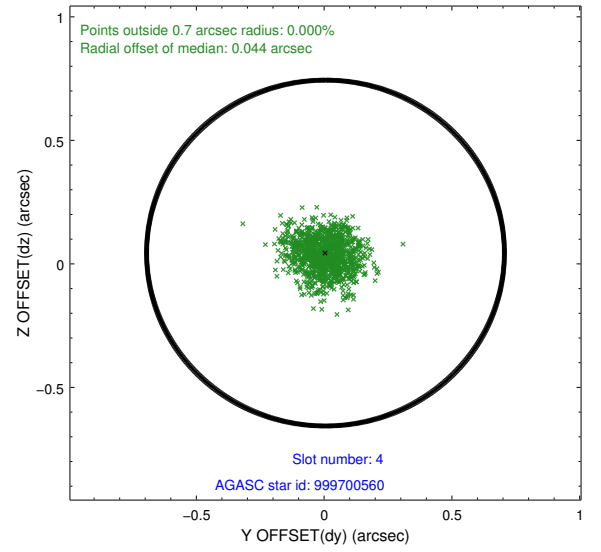
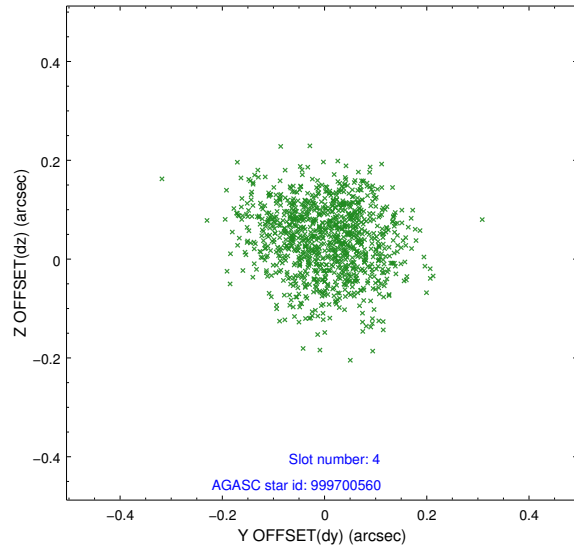
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	521	-0.128	-0.085	0.005	0.009	0.000000	0.000000	-767.48	-1736.21
1	FID	ACIS-S-4	7.00	521	0.130	0.071	0.006	0.009	0.000000	0.000000	2144.68	169.21
2	FID	ACIS-S-6	7.14	521	-0.030	0.022	0.007	0.010	0.000000	0.000000	398.56	810.06
3	GUIDE	999693272	8.26	1042	-0.142	-0.184	0.075	0.117	101.156073	-38.436755	2155.99	2001.25
4	GUIDE	999700560	9.35	1042	0.005	0.044	0.114	0.178	100.747566	-38.964196	130.29	1103.32
5	GUIDE	999701712	8.67	1042	0.170	0.180	0.085	0.140	100.887861	-39.372958	-390.53	-329.16
6	GUIDE	1000212488	7.15	1042	0.065	0.065	0.106	0.165	101.513414	-39.540260	685.87	-1822.53
7	GUIDE	1000213248	7.84	1041	-0.091	-0.101	0.052	0.088	100.928116	-39.865021	-1311.86	-1849.21

2.4 Star Slots

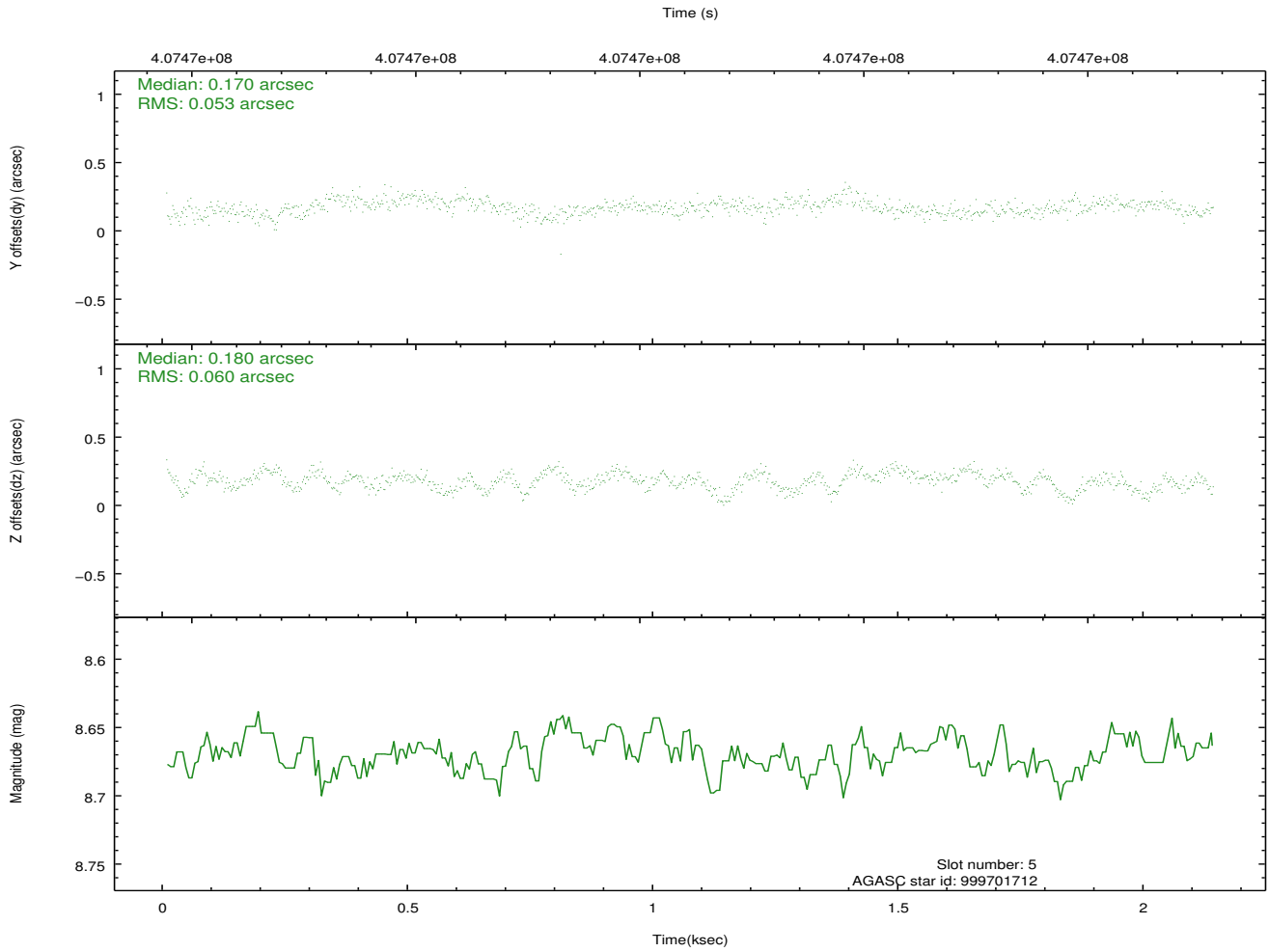
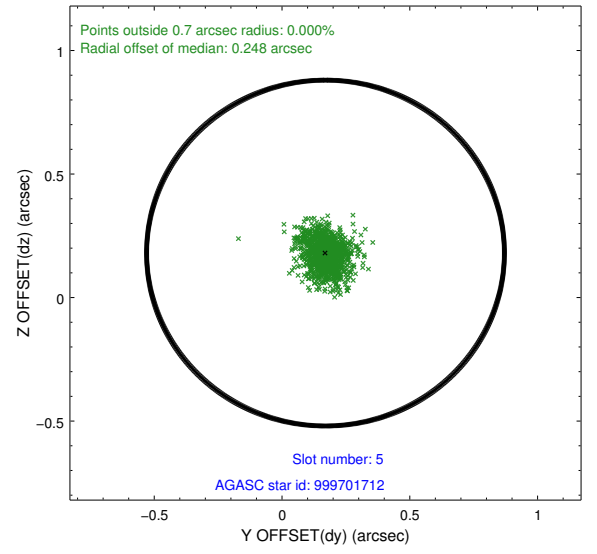
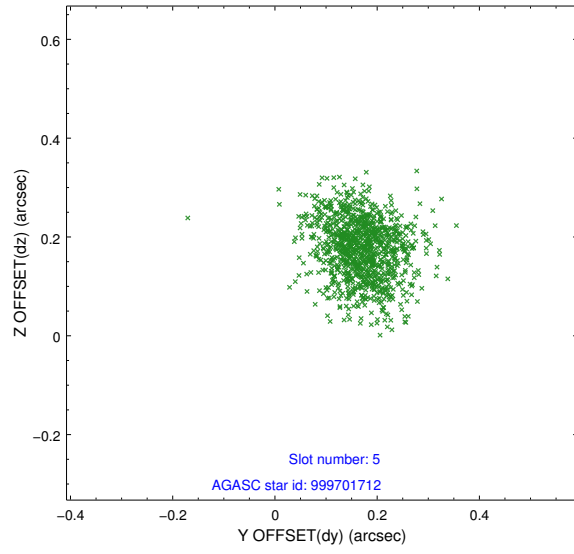
2.4.1 Slot 3



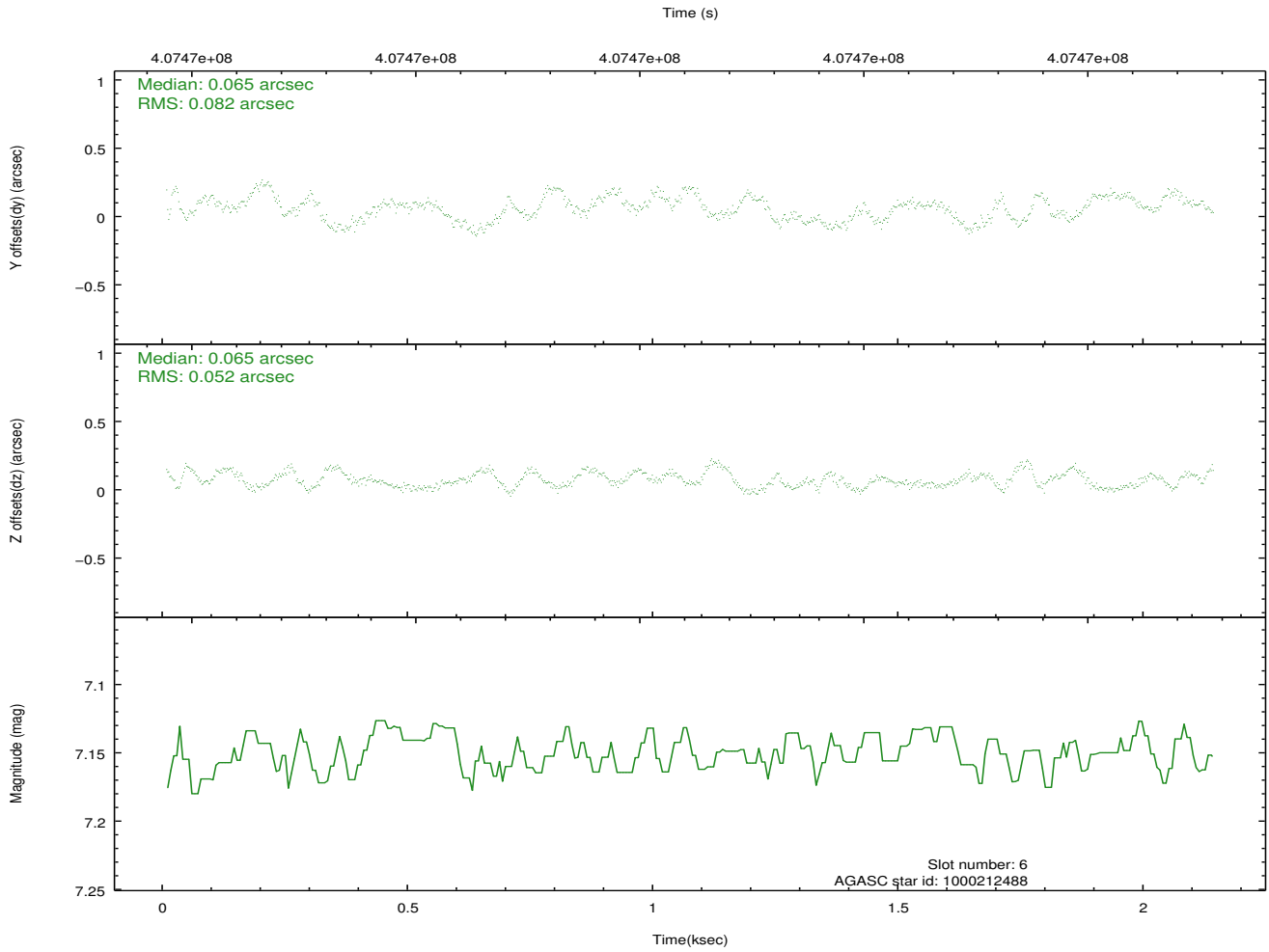
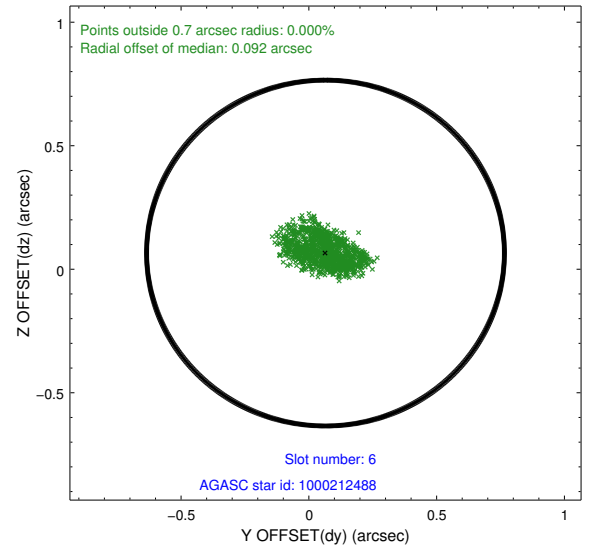
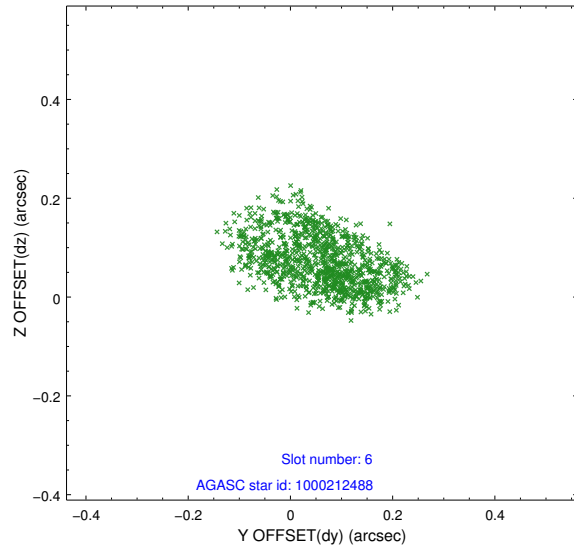
2.4.2 Slot 4



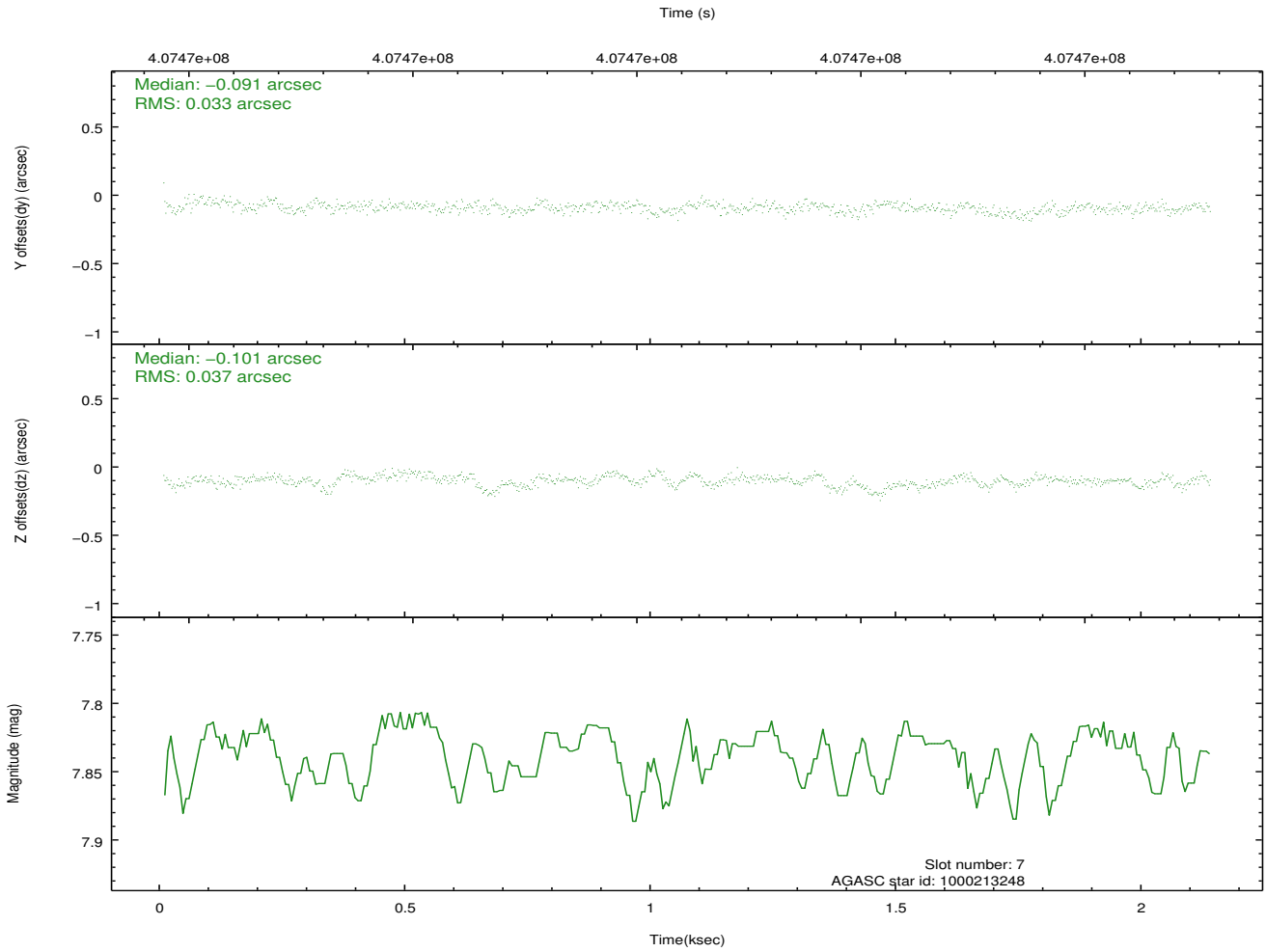
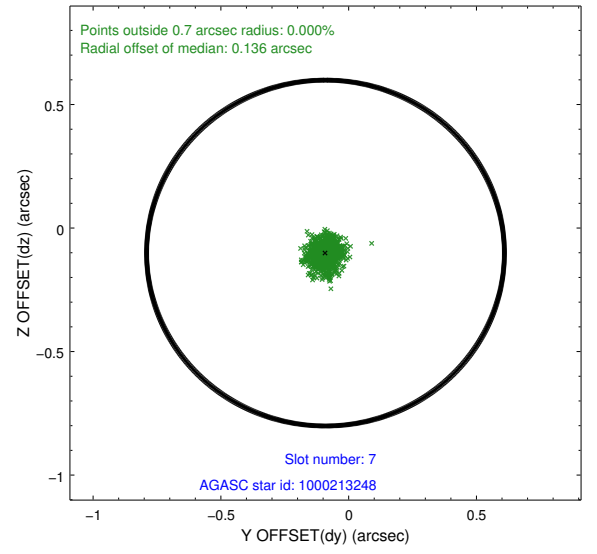
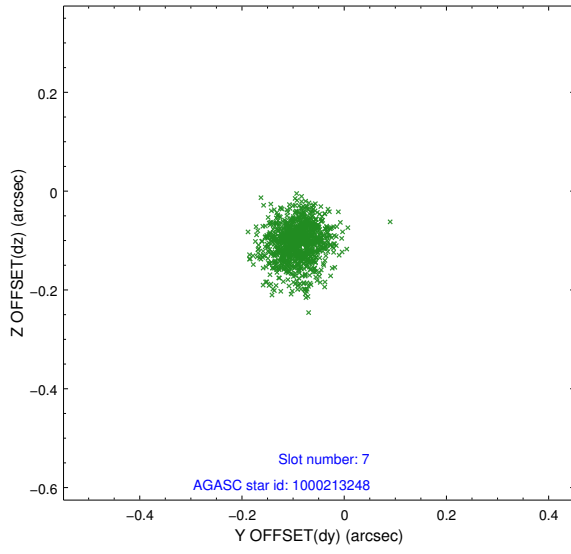
2.4.3 Slot 5



2.4.4 Slot 6

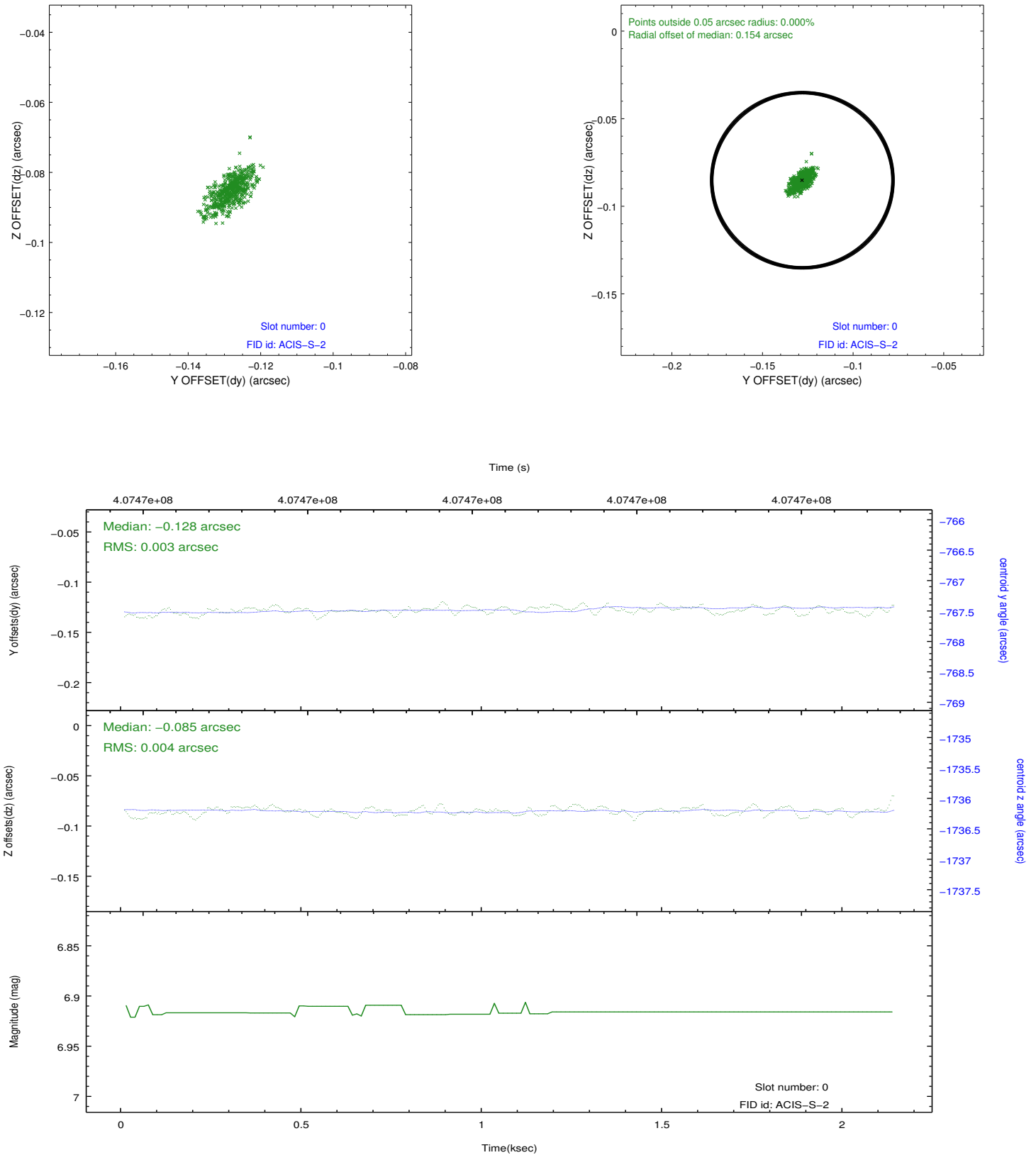


2.4.5 Slot 7

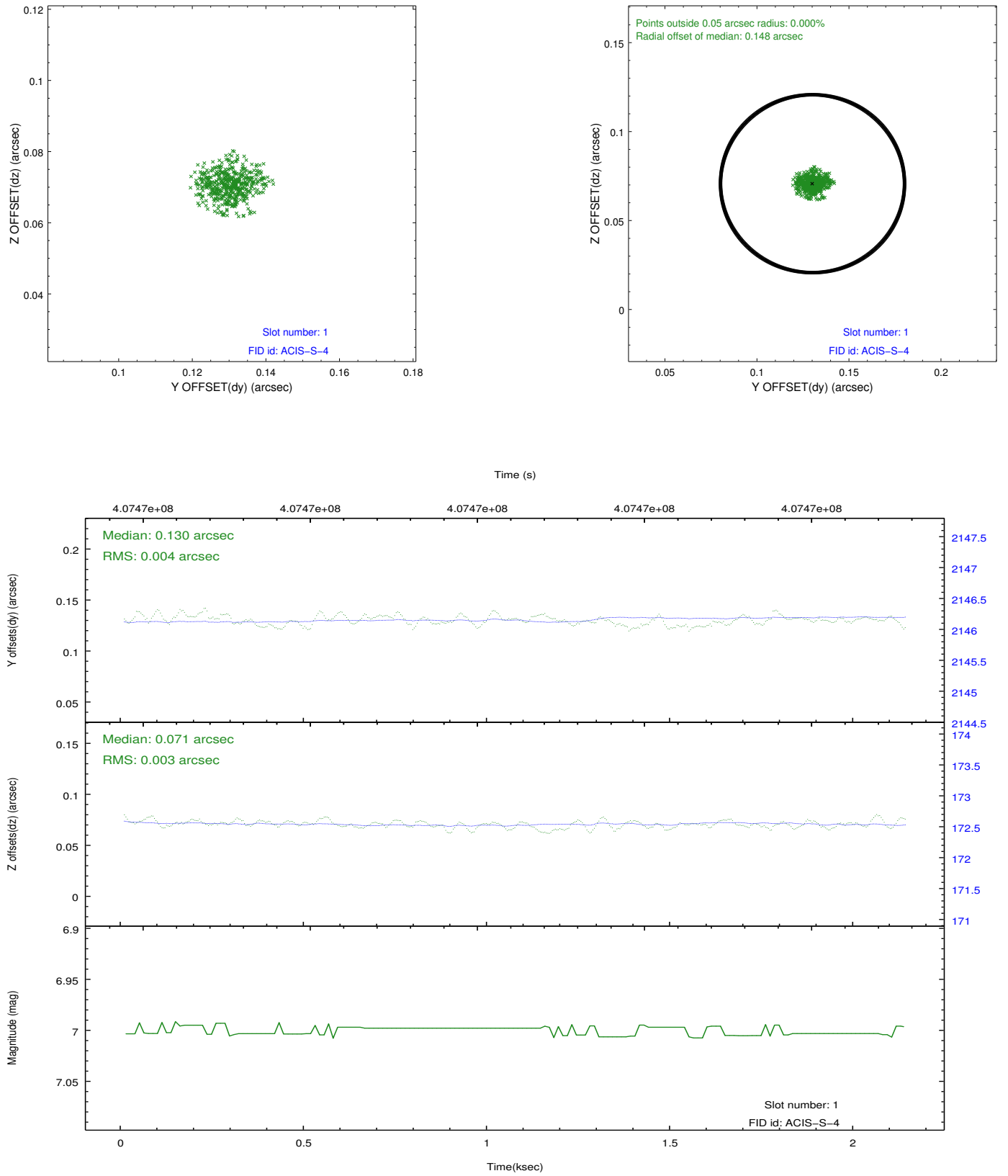


2.5 FID Slots

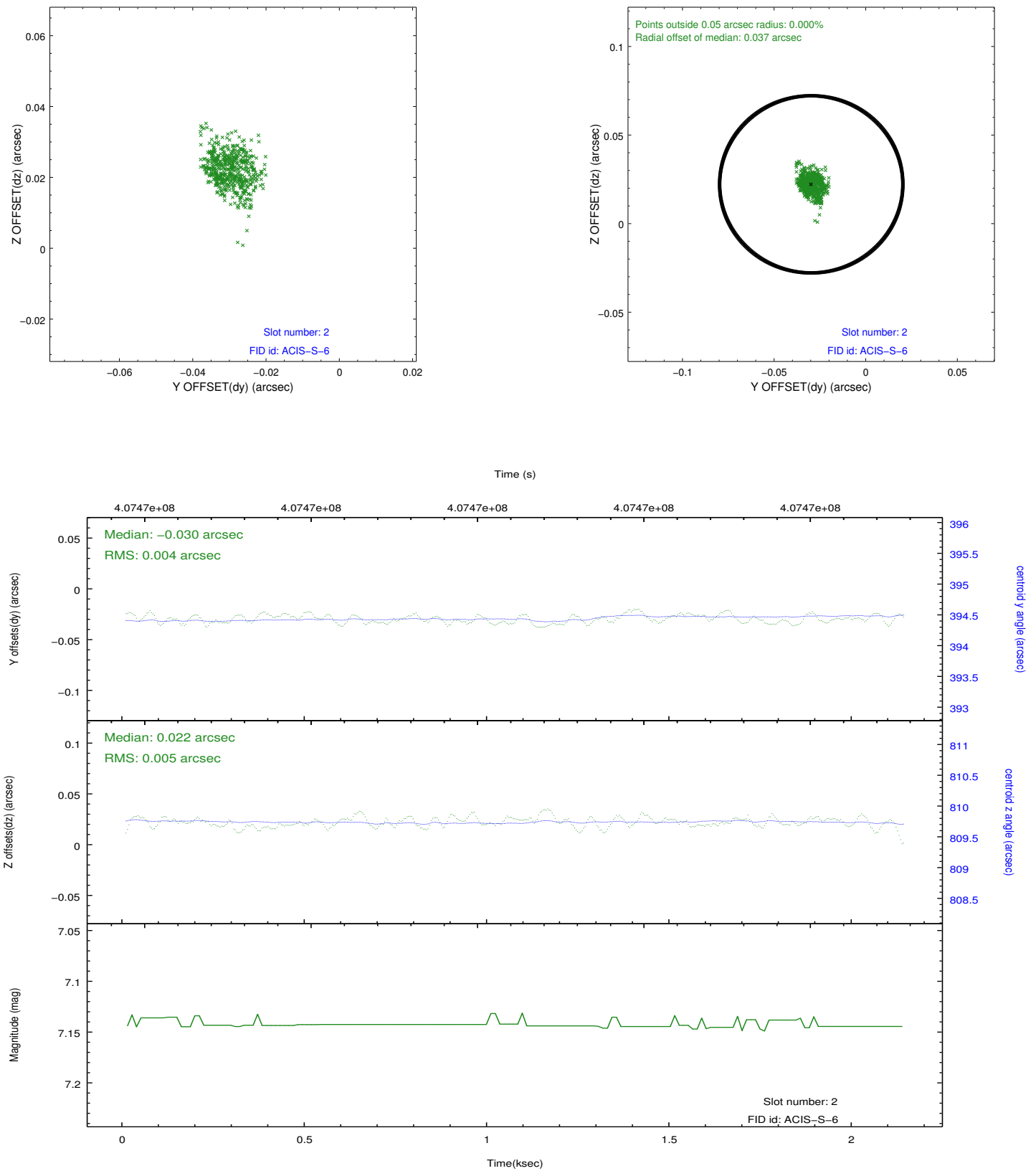
2.5.1 Slot 0



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)	2012.07.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0357410969138

A.2 Comments