

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10149 - L2 Version 2
Chandra X-Ray Center

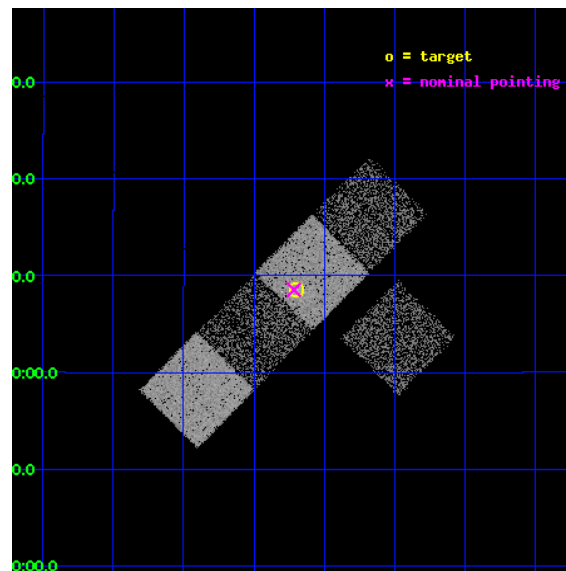
L2 Processing Date : May 25 2012

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1 Front

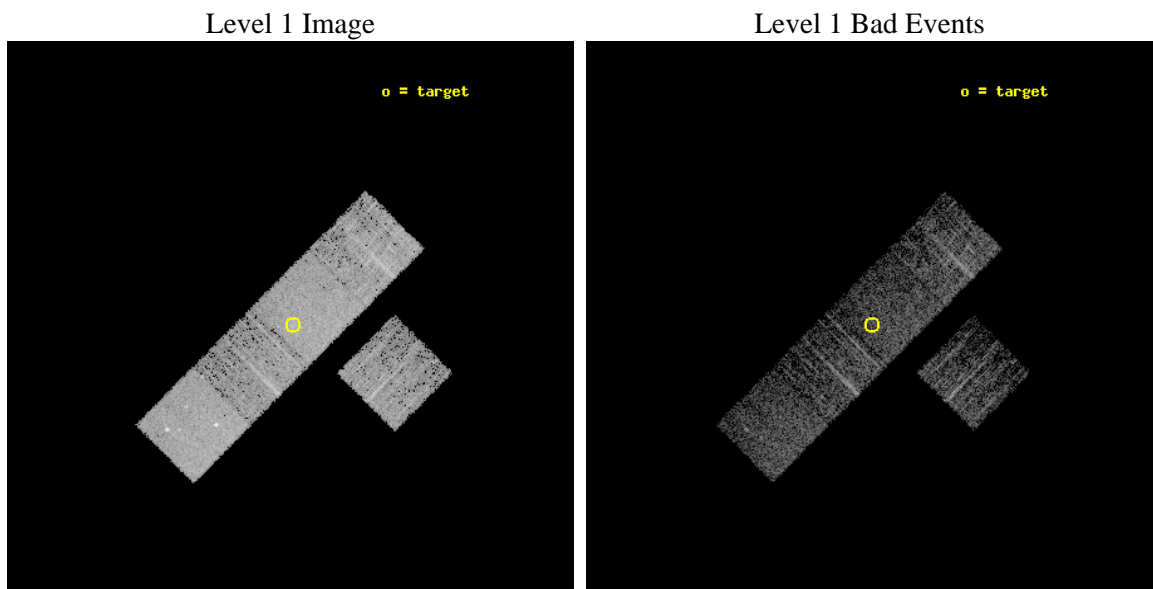
seq_num	501076	Sequence number
obs_id	10149	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ040913.8+110833	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	62.299167	Observer's specified target RA [deg]
dec_targ	11.14325	Observer's specified target Dec [deg]
ra_nom	62.303926622695	Nominal RA [deg]
dec_nom	11.142320375792	Nominal Dec [deg]
roll_nom	314.79181275948	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2173.1000167131	Sum of GTIs [s]
livetime	2144.7068651818	Livetime [s]
ontime3	2173.1000167131	Sum of GTIs [s]
ontime5	2173.1000167131	Sum of GTIs [s]
ontime6	2173.1000167131	Sum of GTIs [s]
ontime7	2173.1000167131	Sum of GTIs [s]
ontime8	2173.1000167131	Sum of GTIs [s]
l2events	34243	Number of level 2 events



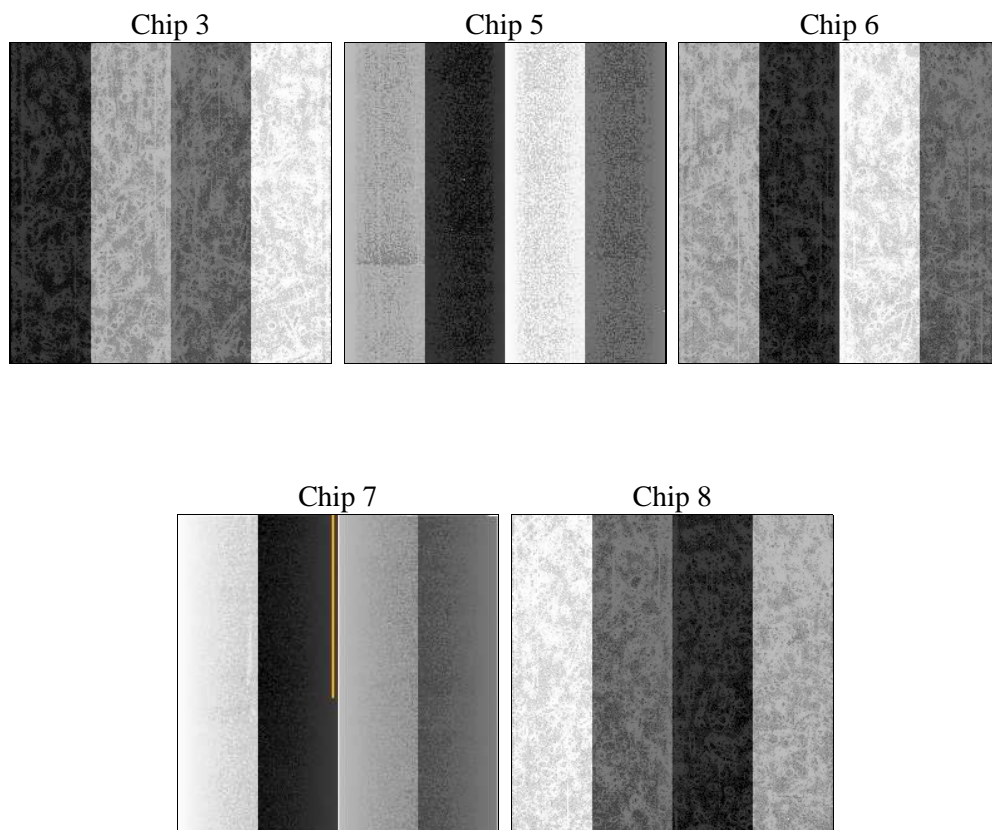
2 OBI

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	8.4.4	Processing system revision	ontime	2173.1000167131	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2173.1000167131	Sum of GTIs [s]
date	2012-05-25T18:29:39	Date and time of file creation	ontime5	2173.1000167131	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2173.1000167131	Sum of GTIs [s]
			ontime7	2173.1000167131	Sum of GTIs [s]
			ontime8	2173.1000167131	Sum of GTIs [s]
			l1events	164509	Number of level 1 events

2.1.4 Events

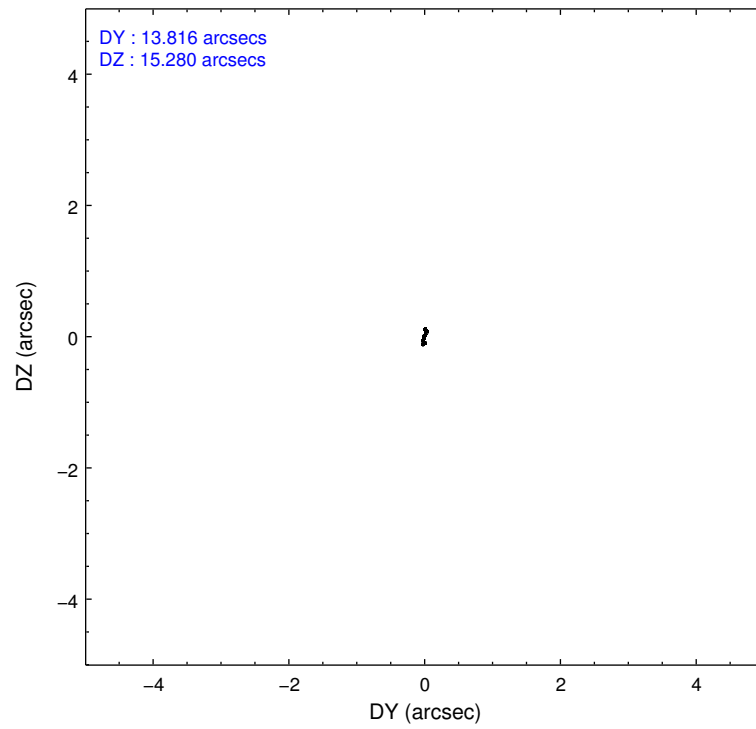
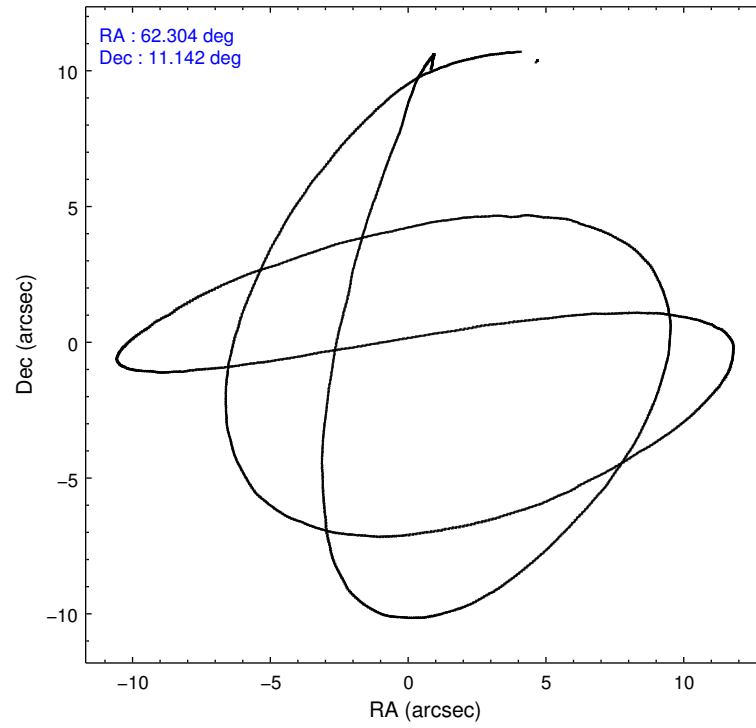
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25313	41577	26250	37903	33466
rejected events	22713	25826	23661	24738	27634
rejected %	89%	62%	90%	65%	82%

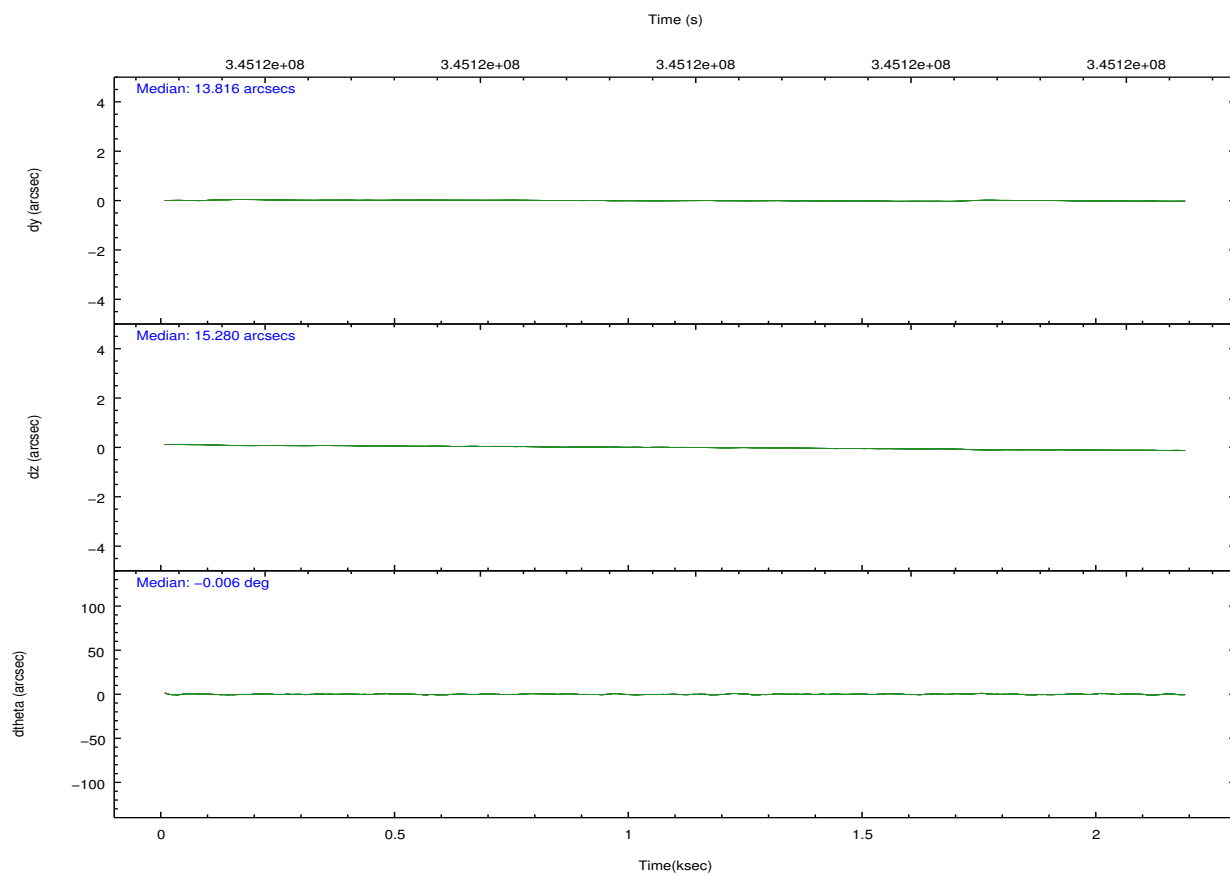
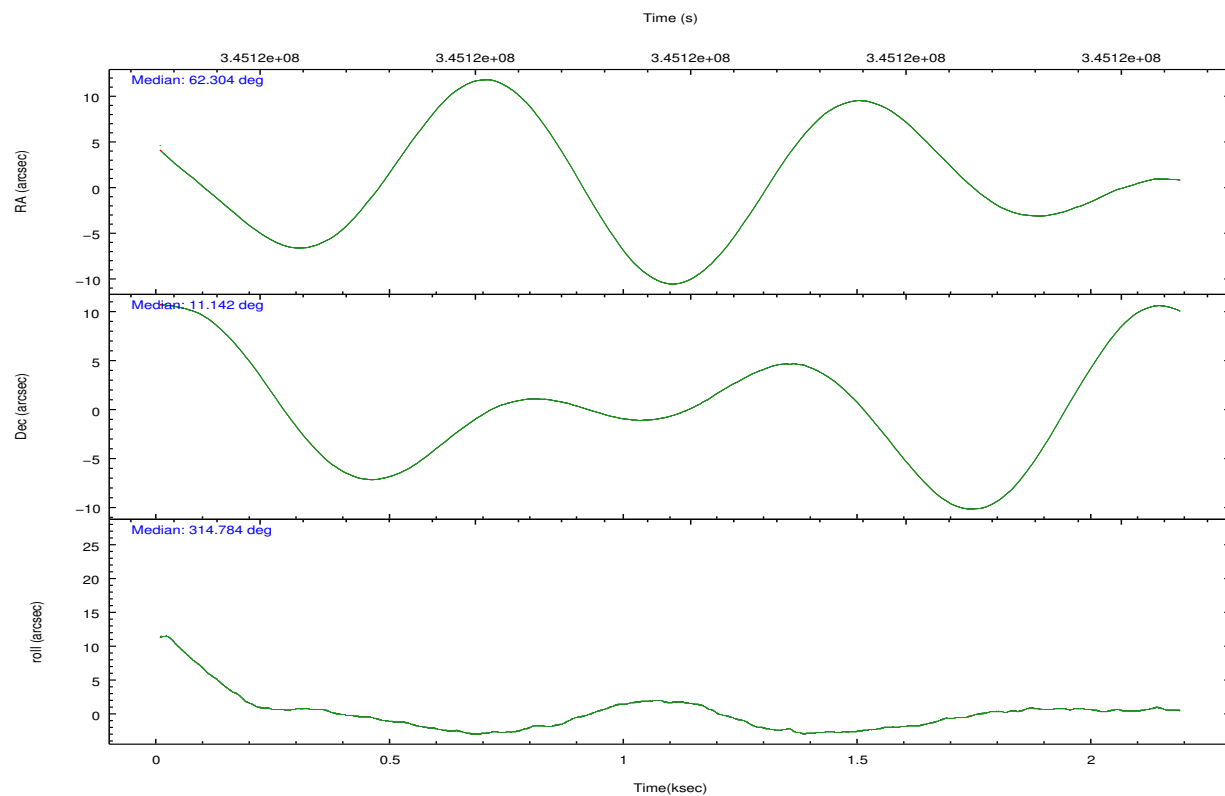
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1400	2374	1238	1446	2310
	5%	5%	4%	3%	6%
grade 1 events	15	99	17	49	35
	0%	0%	0%	0%	0%
grade 2 events	641	5748	723	3236	1644
	2%	13%	2%	8%	4%
grade 3 events	292	678	267	1348	796
	1%	1%	1%	3%	2%
grade 4 events	322	608	301	1373	672
	1%	1%	1%	3%	2%
grade 5 events	1239	2935	1203	3438	1647
	4%	7%	4%	9%	4%
grade 6 events	549	9881	645	8590	1827
	2%	23%	2%	22%	5%
grade 7 events	20855	19254	21856	18423	24535
	82%	46%	83%	48%	73%

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	62.276988	62.30392662269503	CCD I2 on	N	N
[deg] Pointing Dec	11.148923	11.14232037579193	CCD I3 on	Y	Y
[deg] Pointing Roll	314.640362	314.7918127594797	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)	345117055.184000	345115818.84684	CCD S5 on	N	N
Observation start date	2008-12-08T09:49:50	2008-12-08T09:30:18	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	345119055.184000	345119582.64702	On-chip summing requested	N	N
Observation end date	2008-12-08T10:23:10	2008-12-08T10:33:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



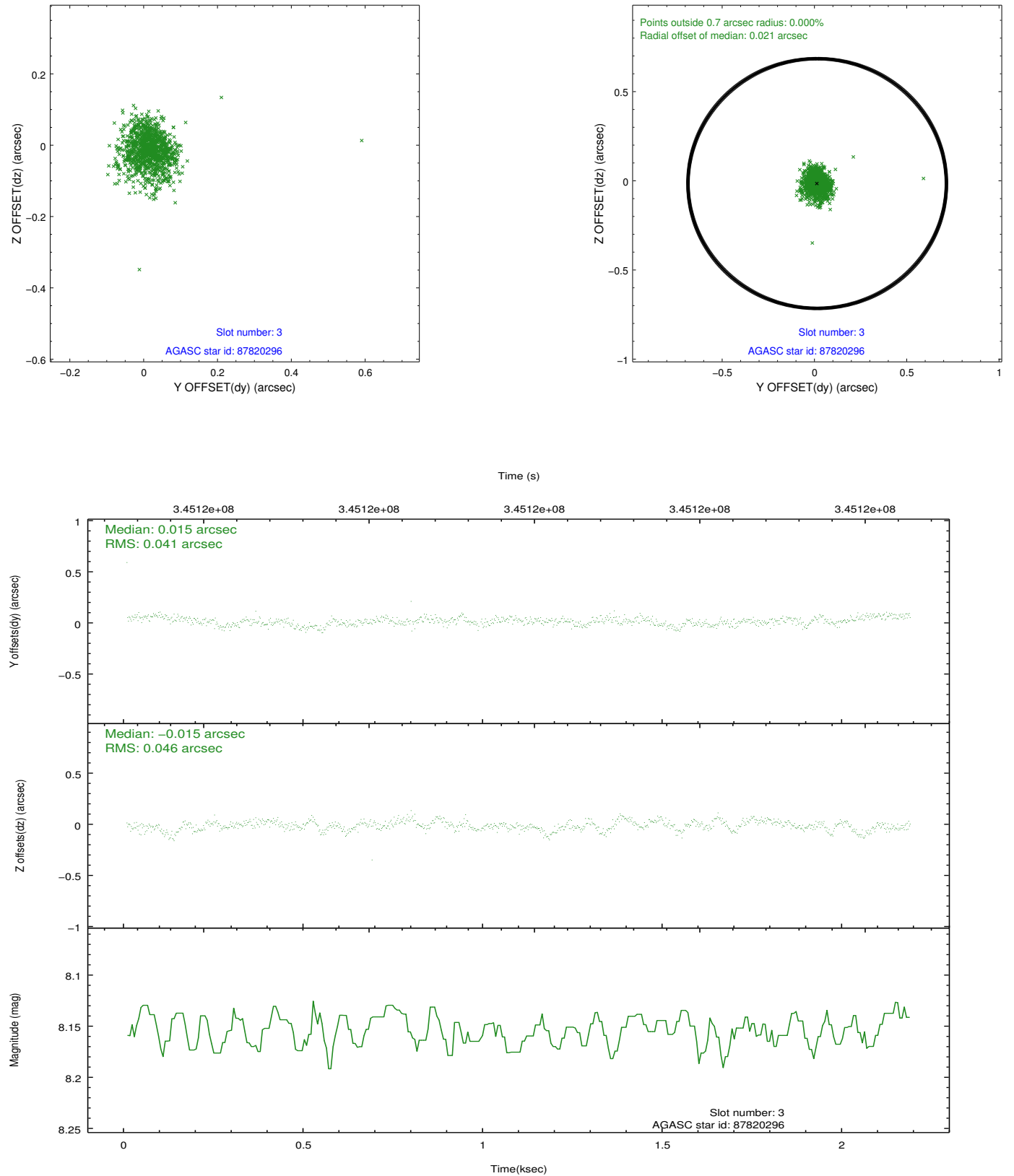


Slot Statistics

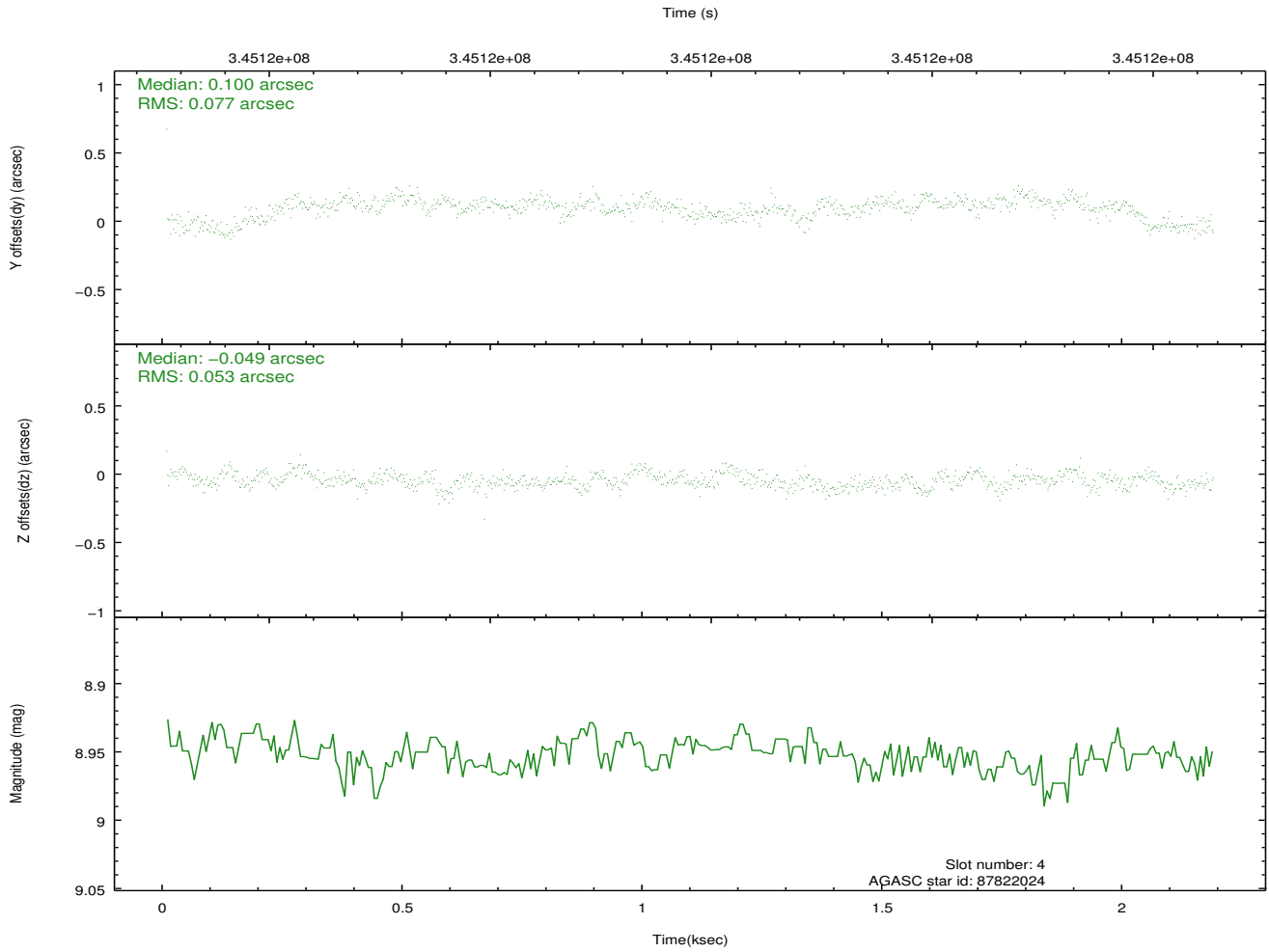
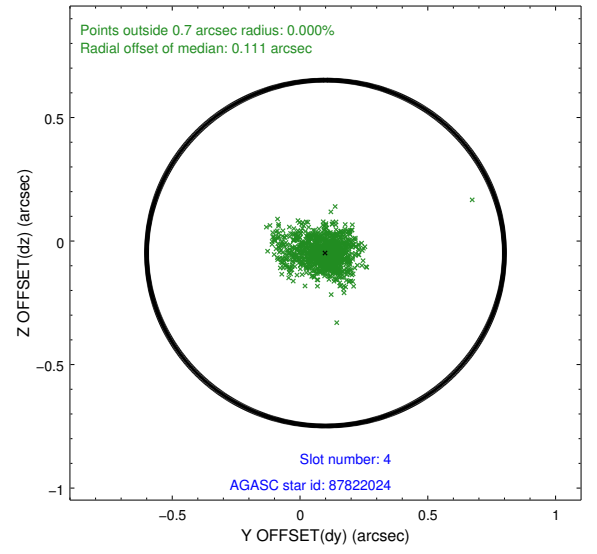
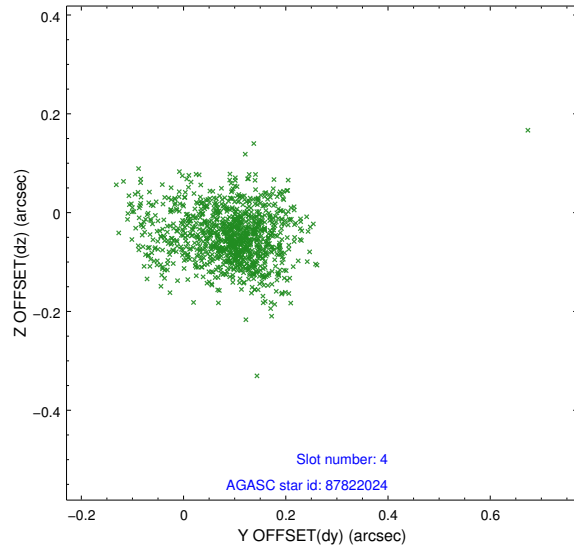
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	533	0.077	-0.068	0.007	0.011	0.000000	0.000000	929.38	-1732.34
1	FID	ACIS-S-5	7.01	532	-0.162	0.038	0.006	0.010	0.000000	0.000000	-1818.21	162.19
2	FID	ACIS-S-6	7.11	533	0.064	0.042	0.007	0.011	0.000000	0.000000	391.65	809.56
3	GUIDE	87820296	8.15	1063	0.015	-0.015	0.062	0.101	61.786393	10.799685	-323.45	-2117.74
4	GUIDE	87822024	8.95	1065	0.100	-0.049	0.094	0.171	62.206677	10.463679	1581.43	-1912.83
5	GUIDE	87823328	7.44	1065	-0.159	0.174	0.059	0.090	62.510071	10.846228	1356.82	-181.04
6	GUIDE	87954552	8.33	1064	0.212	-0.058	0.067	0.111	63.195345	11.171305	2220.37	2367.60
7	GUIDE	88343064	8.76	1062	-0.156	-0.049	0.079	0.133	63.058020	11.314635	1512.87	2385.31

2.4 Star Slots

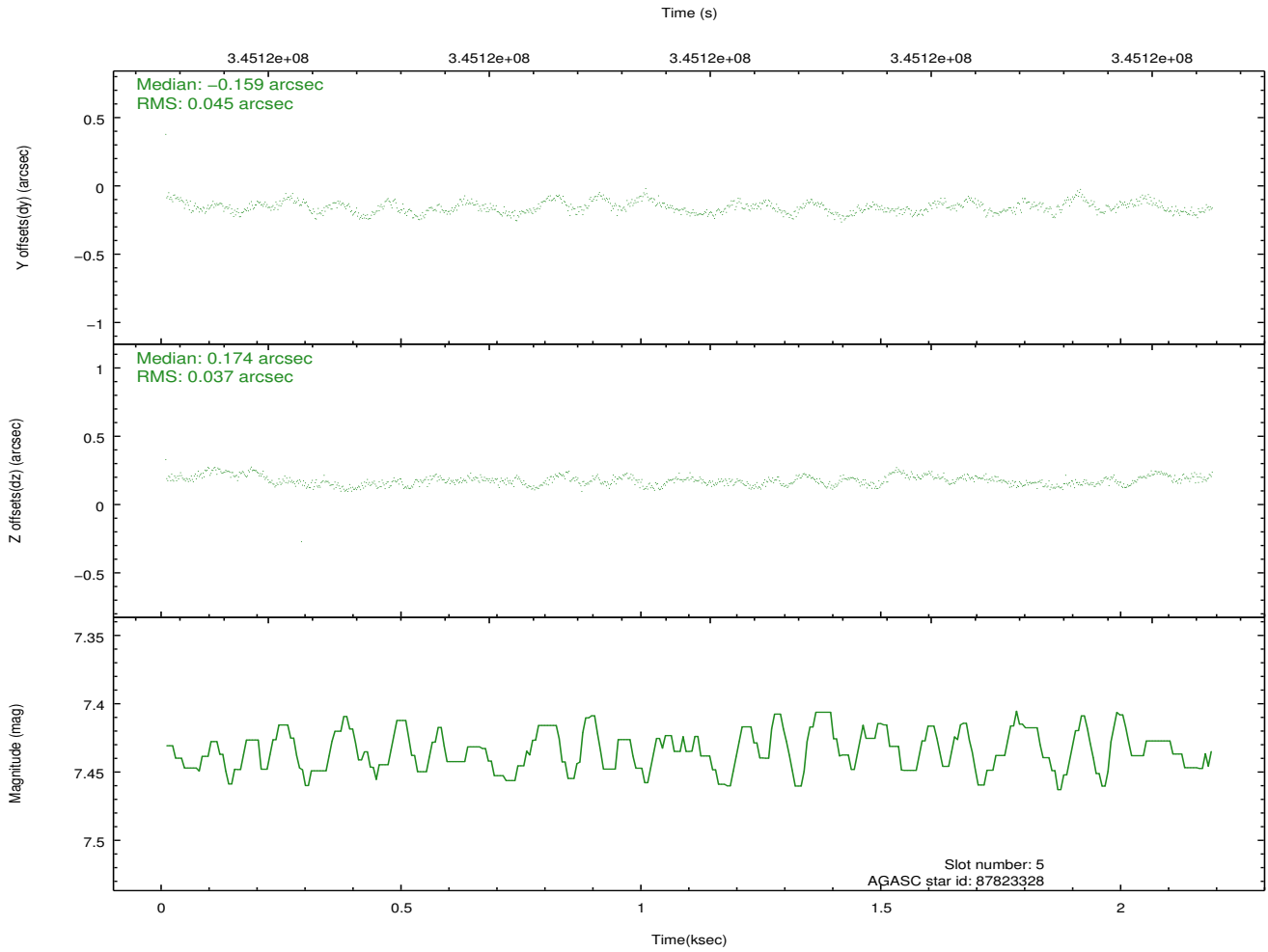
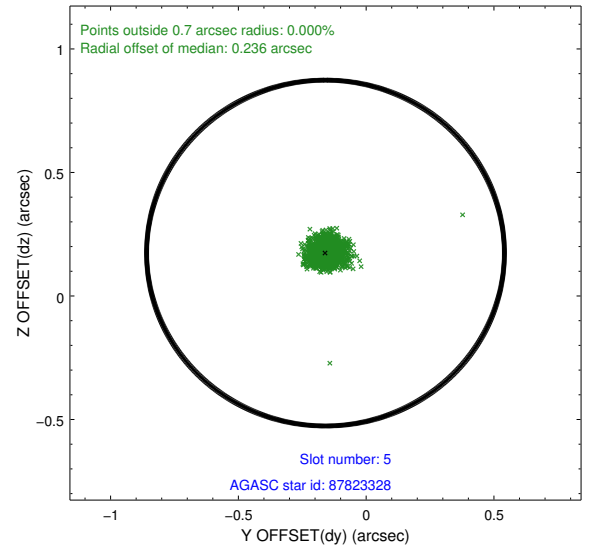
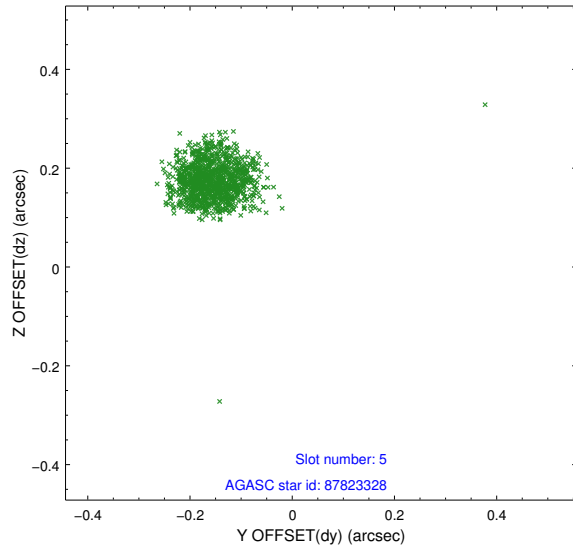
2.4.1 Slot 3



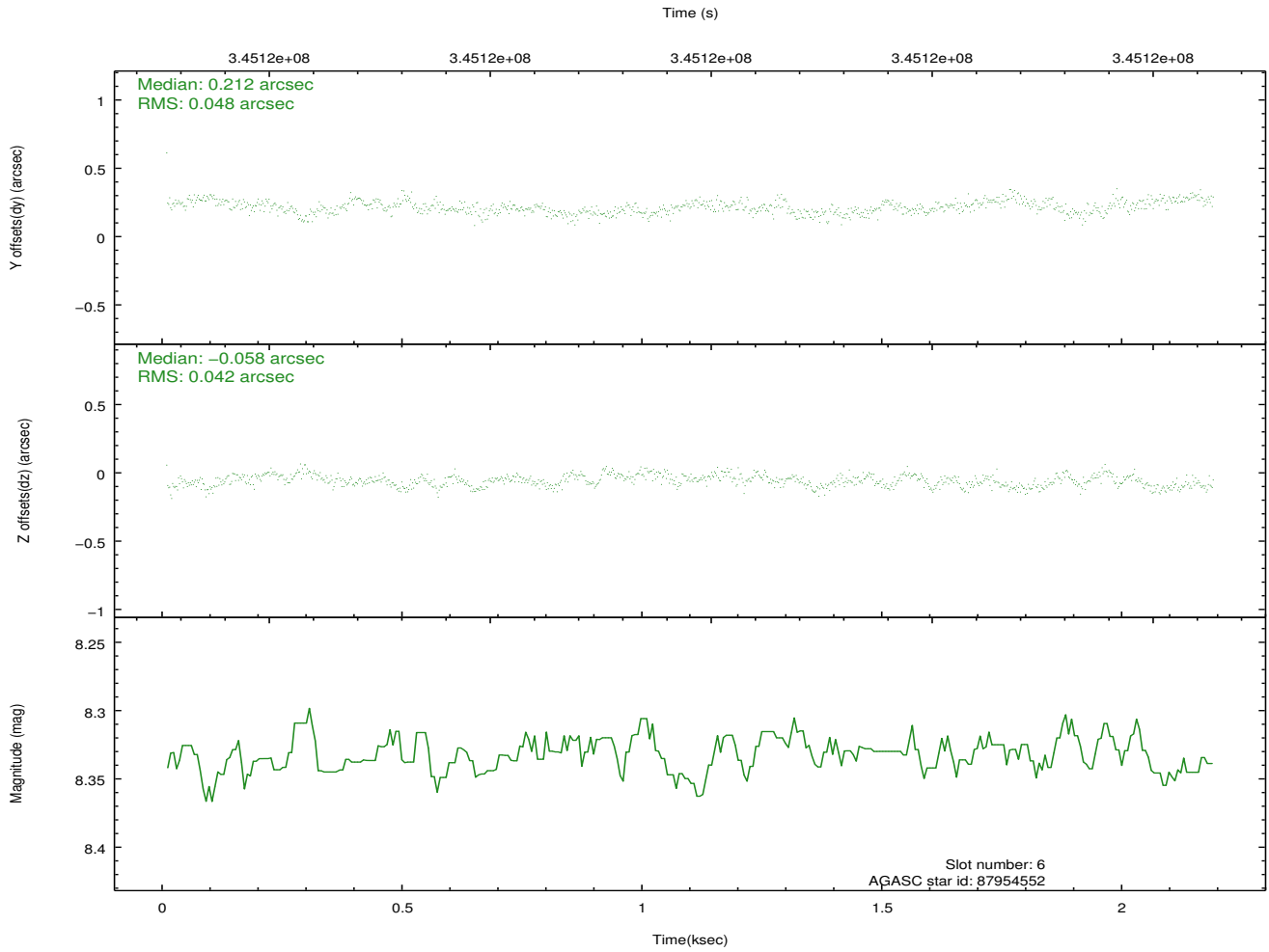
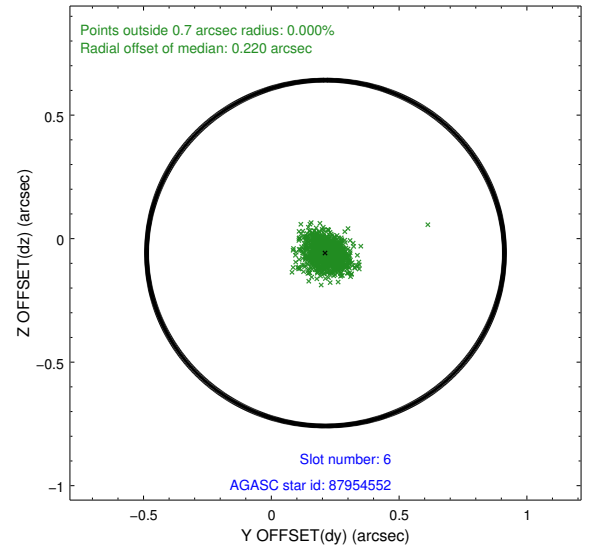
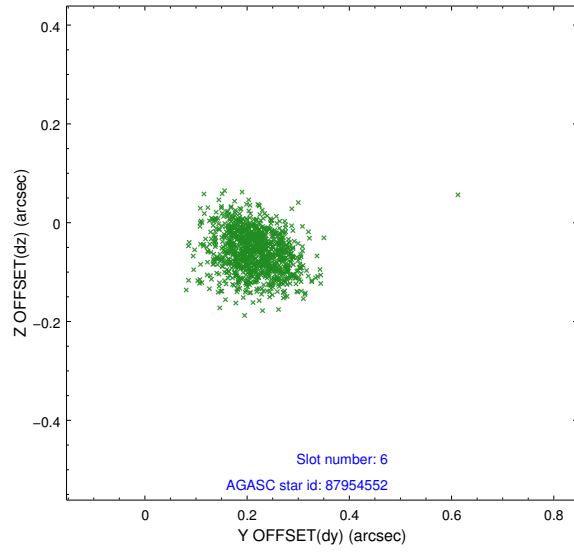
2.4.2 Slot 4



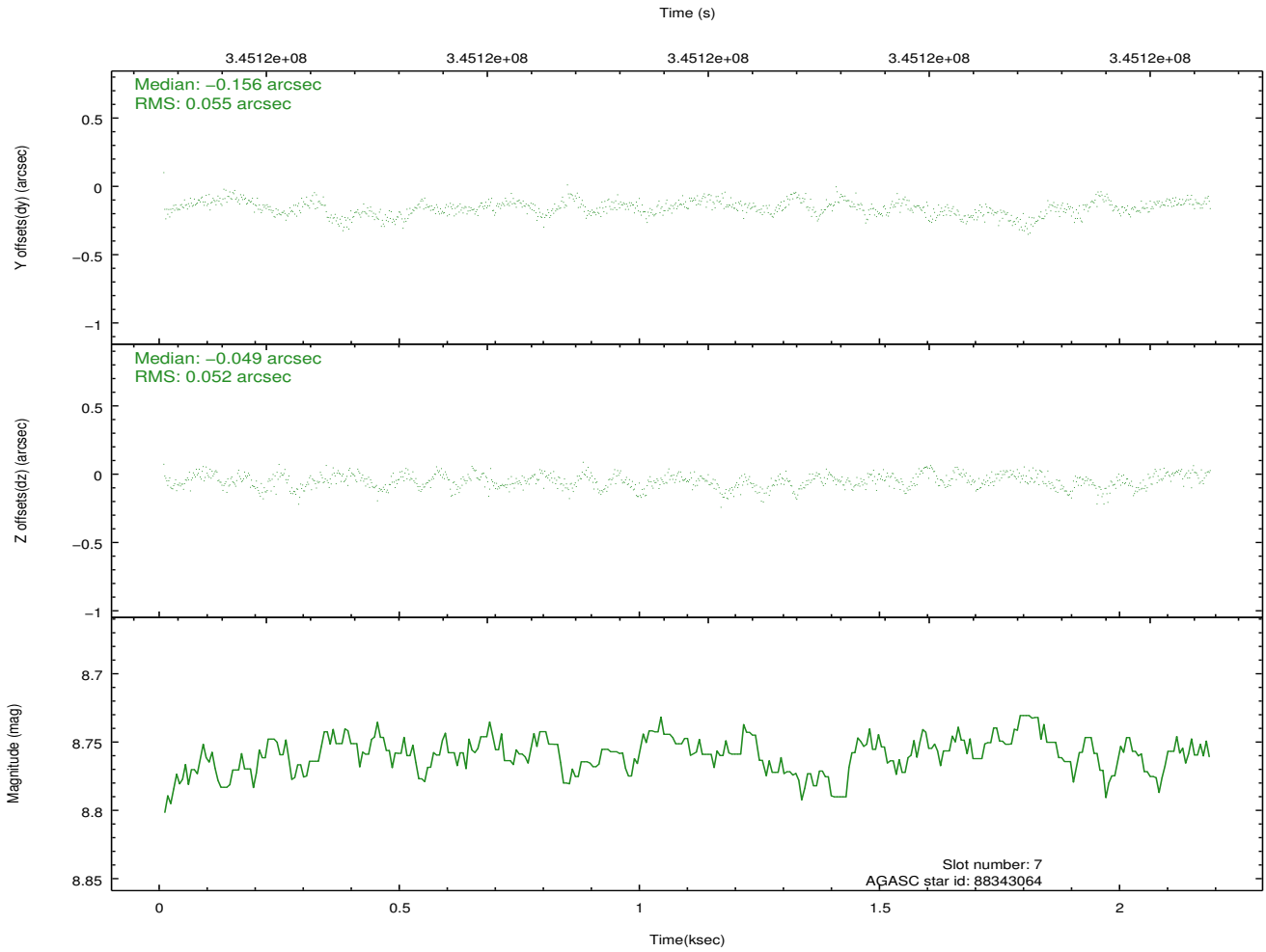
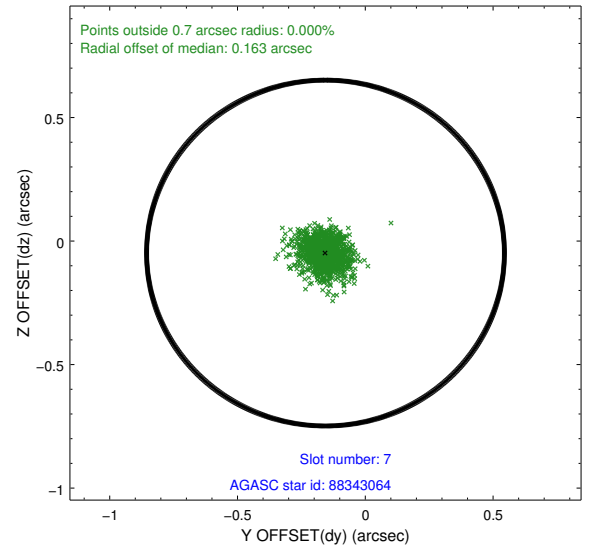
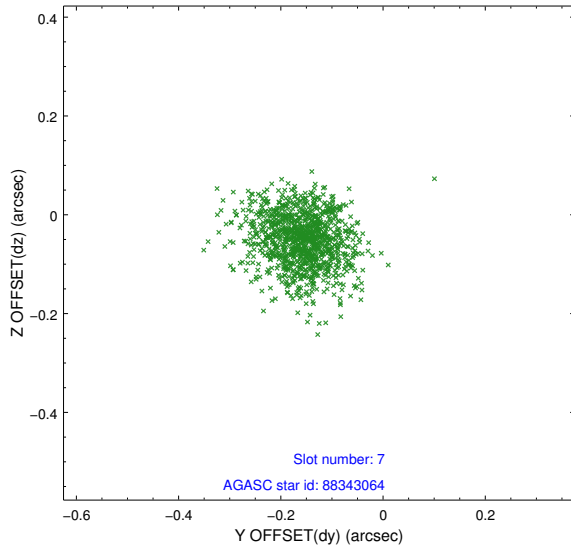
2.4.3 Slot 5



2.4.4 Slot 6

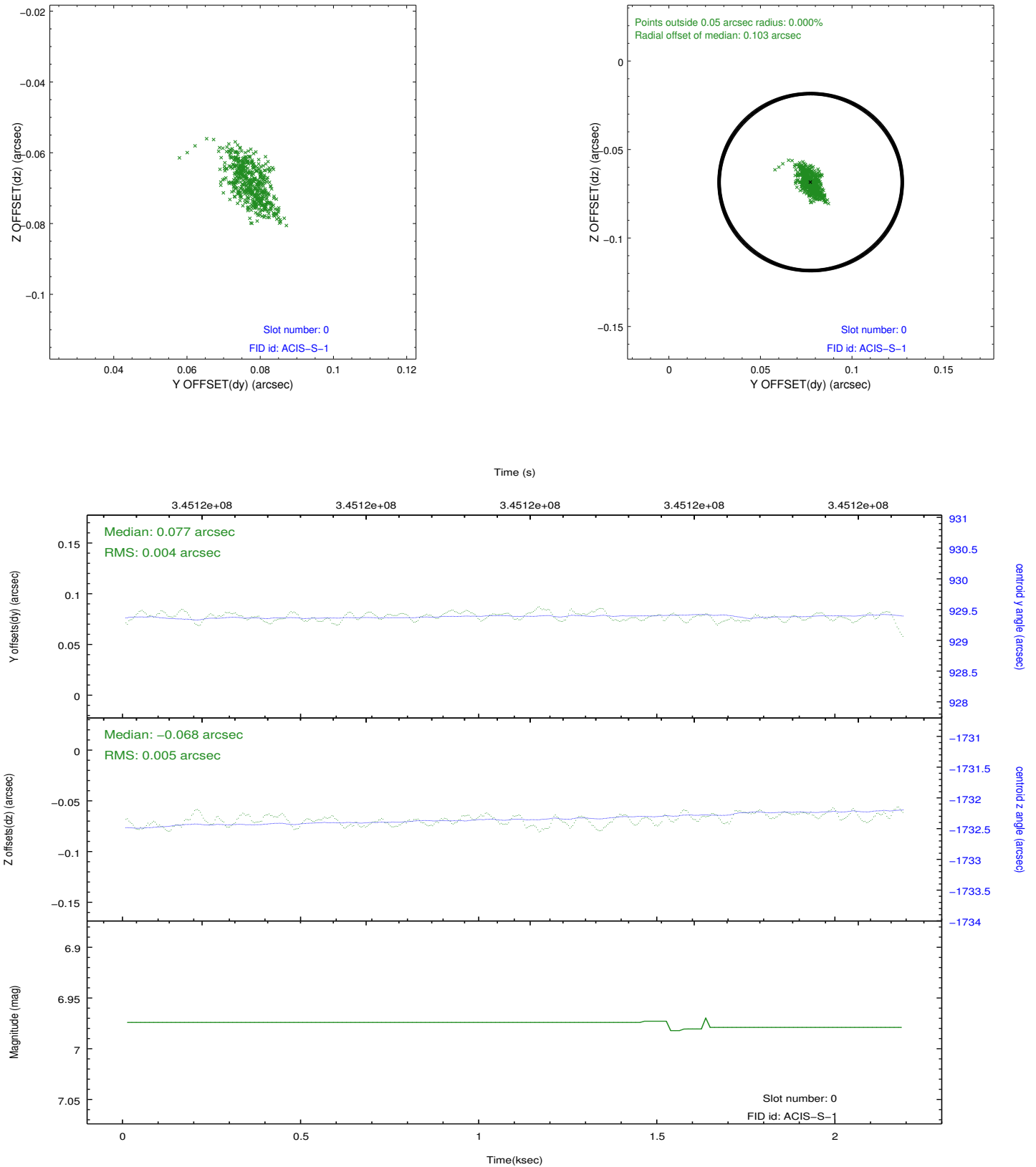


2.4.5 Slot 7

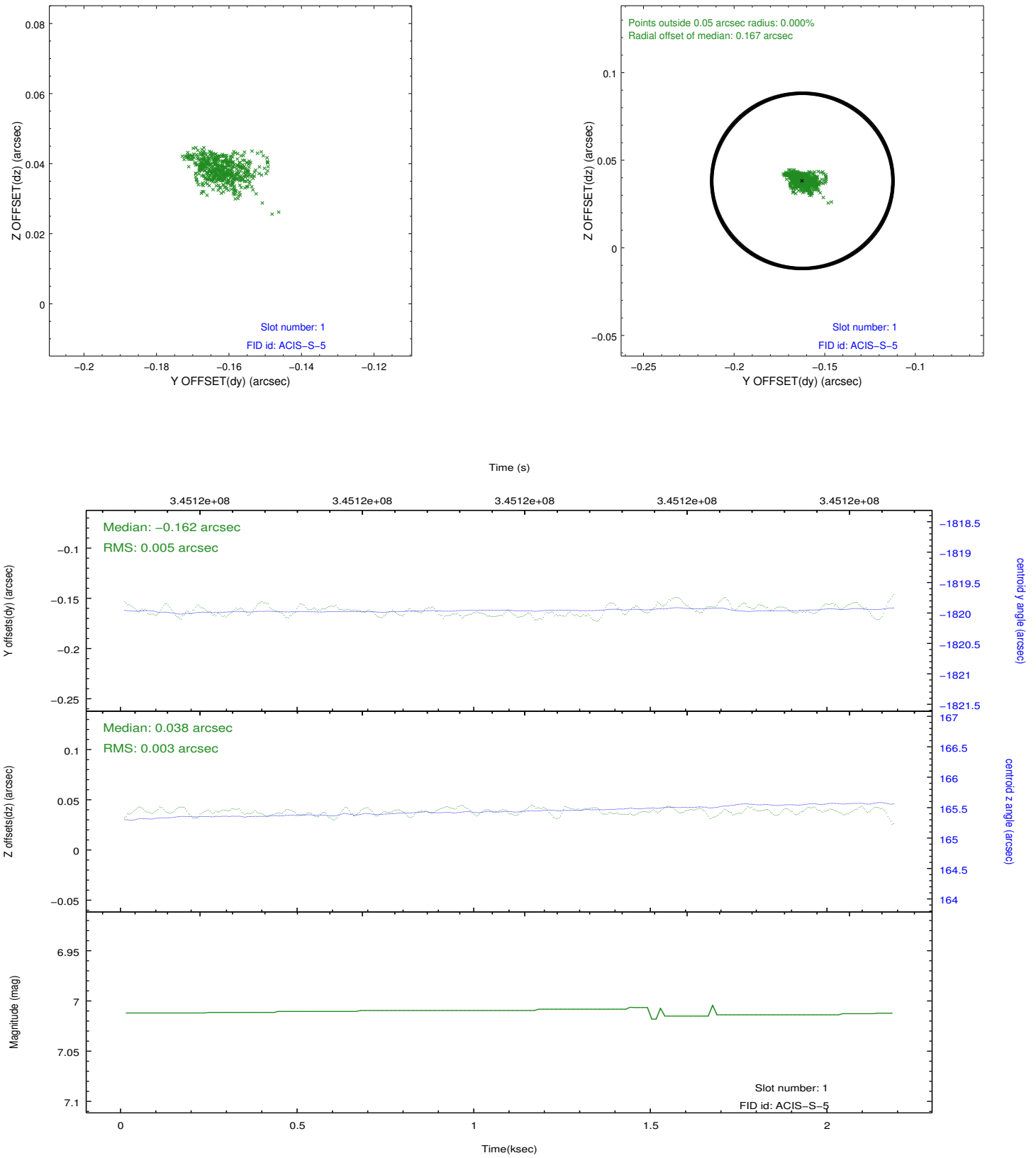


2.5 FID Slots

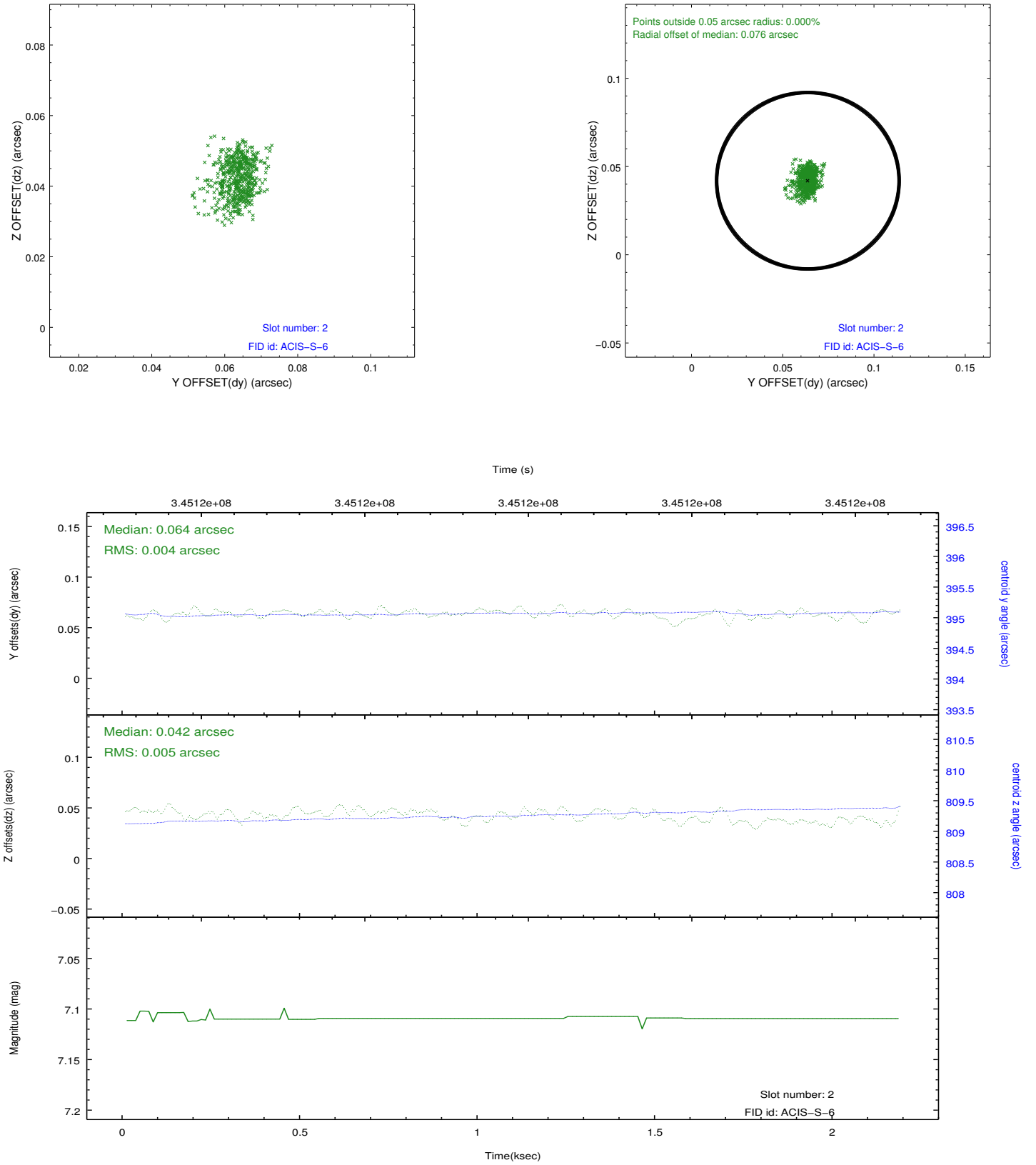
2.5.1 Slot 0



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)	2012.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.17310001

A.2 Comments