

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10152 - L2 Version 2
Chandra X-Ray Center

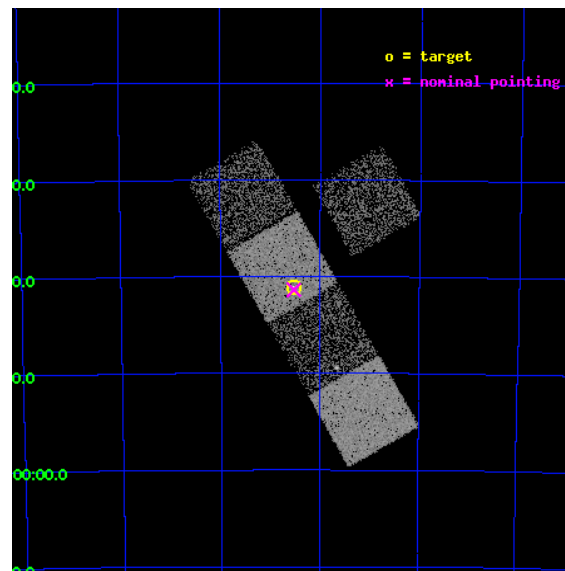
L2 Processing Date : Jun 8 2012

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1 Front

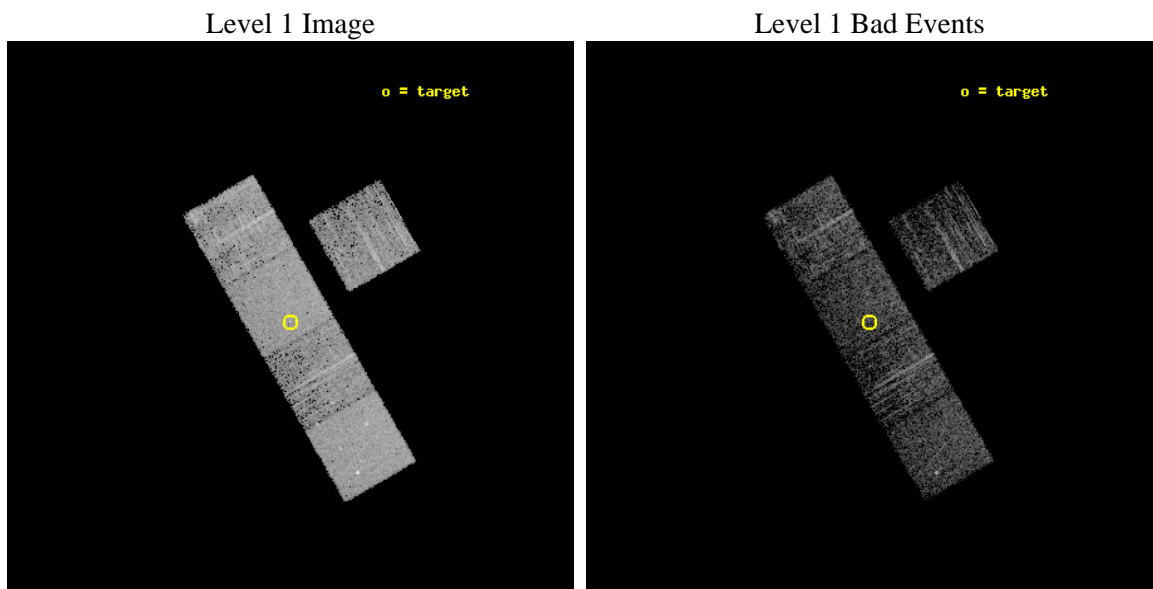
seq_num	501079	Sequence number
obs_id	10152	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ084830.4-694114	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.130417	Observer's specified target RA [deg]
dec_targ	-69.684833	Observer's specified target Dec [deg]
ra_nom	132.13152661159	Nominal RA [deg]
dec_nom	-69.689743914645	Nominal Dec [deg]
roll_nom	240.15768568471	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2035.2849491835	Sum of GTIs [s]
livetime	2008.6924529674	Livetime [s]
ontime3	2035.1618291736	Sum of GTIs [s]
ontime5	2035.2439091802	Sum of GTIs [s]
ontime6	2035.2028691769	Sum of GTIs [s]
ontime7	2035.2849491835	Sum of GTIs [s]
ontime8	2035.1207891703	Sum of GTIs [s]
l2events	34523	Number of level 2 events



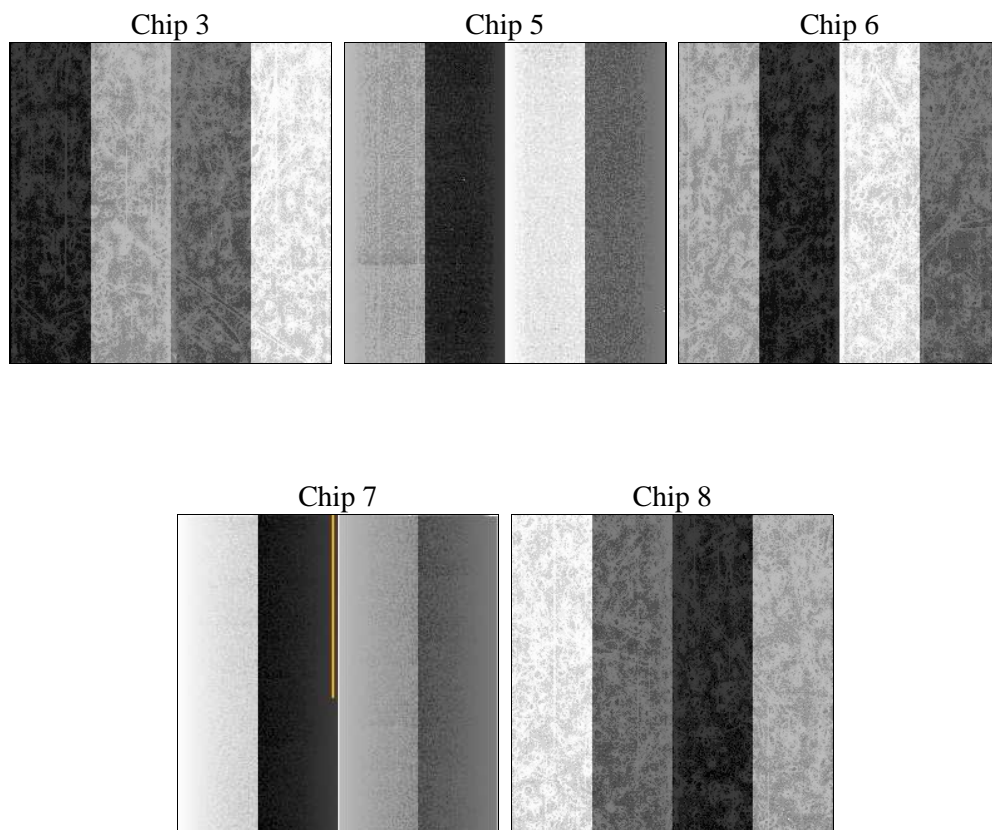
2 OBI

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	2035.2849491835	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	2035.1618291736	Sum of GTIs [s]
date	2012-06-08T06:24:20	Date and time of file creation	ontime5	2035.2439091802	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2035.2028691769	Sum of GTIs [s]
			ontime7	2035.2849491835	Sum of GTIs [s]
			ontime8	2035.1207891703	Sum of GTIs [s]
			l1events	137130	Number of level 1 events

2.1.4 Events

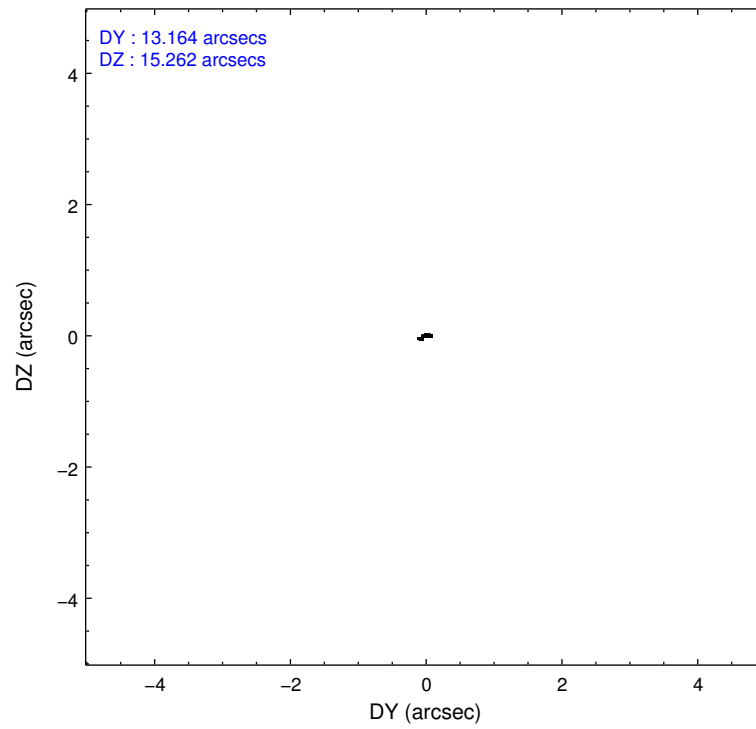
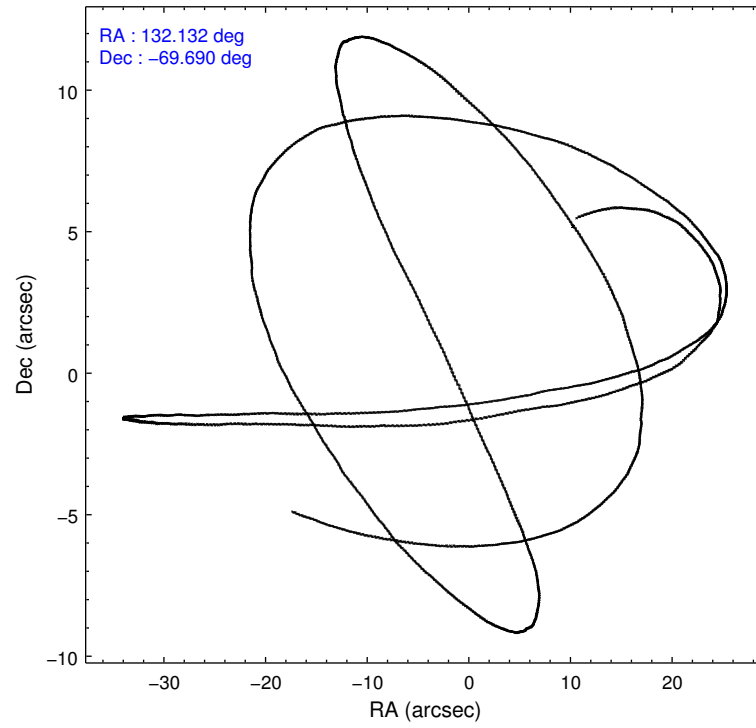
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20952	34353	21706	30623	29496
rejected events	18303	18655	18933	17935	22436
rejected %	87%	54%	87%	58%	76%

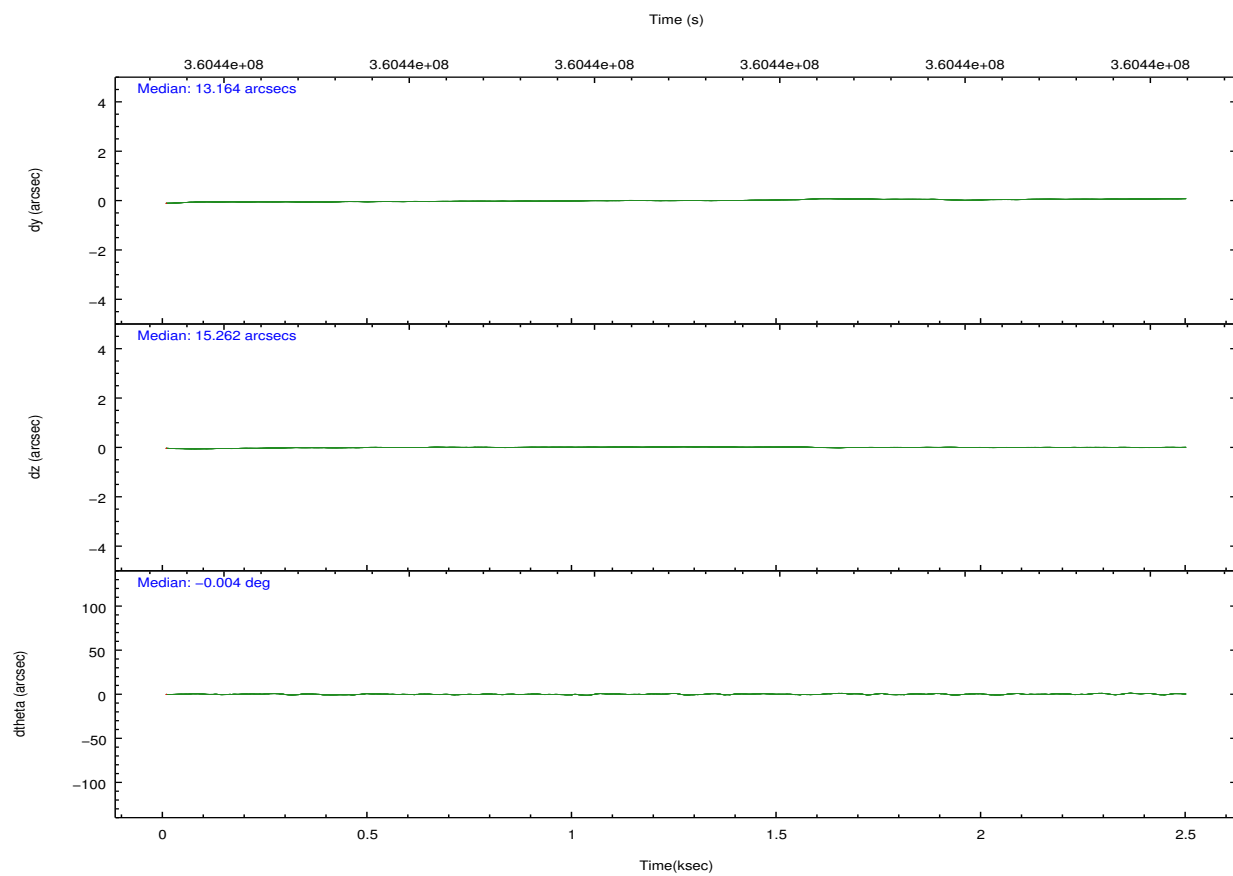
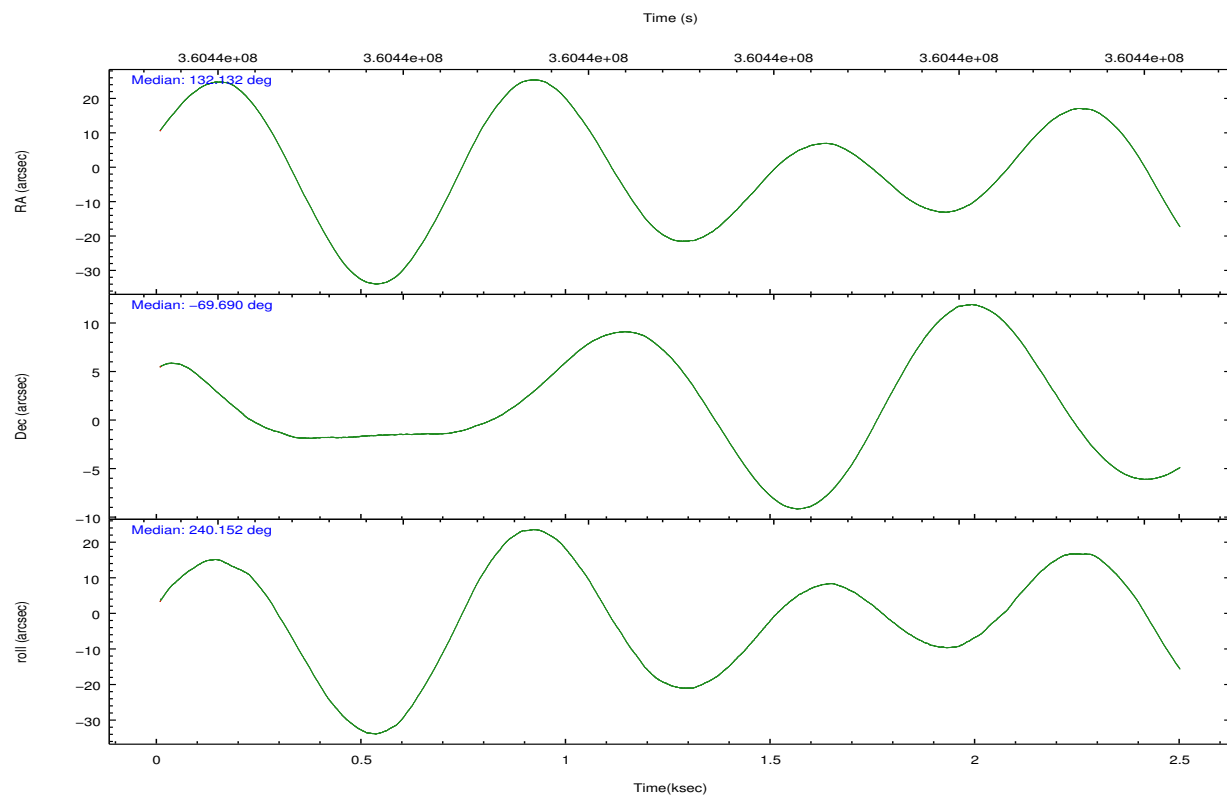
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1148	1364	1128	1082	2210
	5%	3%	5%	3%	7%
grade 1 events	16	45	9	32	21
	0%	0%	0%	0%	0%
grade 2 events	562	4929	621	2572	1577
	2%	14%	2%	8%	5%
grade 3 events	249	546	244	1078	762
	1%	1%	1%	3%	2%
grade 4 events	223	483	270	1110	670
	1%	1%	1%	3%	2%
grade 5 events	1029	2392	1034	2882	1335
	4%	6%	4%	9%	4%
grade 6 events	471	8398	513	6866	1850
	2%	24%	2%	22%	6%
grade 7 events	17254	16196	17887	15001	21071
	82%	47%	82%	48%	71%

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	132.129584	132.1315266115919	CCD I2 on	N	N
[deg] Pointing Dec	-69.662347	-69.68974391464529	CCD I3 on	Y	Y
[deg] Pointing Roll	239.999222	240.1576856847055	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	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	360441975.184000	360440889.80764	CCD S5 on	N	N
Observation start date	2009-06-03T18:45:09	2009-06-03T18:28:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	360443975.184000	360445164.05786	On-chip summing requested	N	N
Observation end date	2009-06-03T19:18:29	2009-06-03T19:39:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



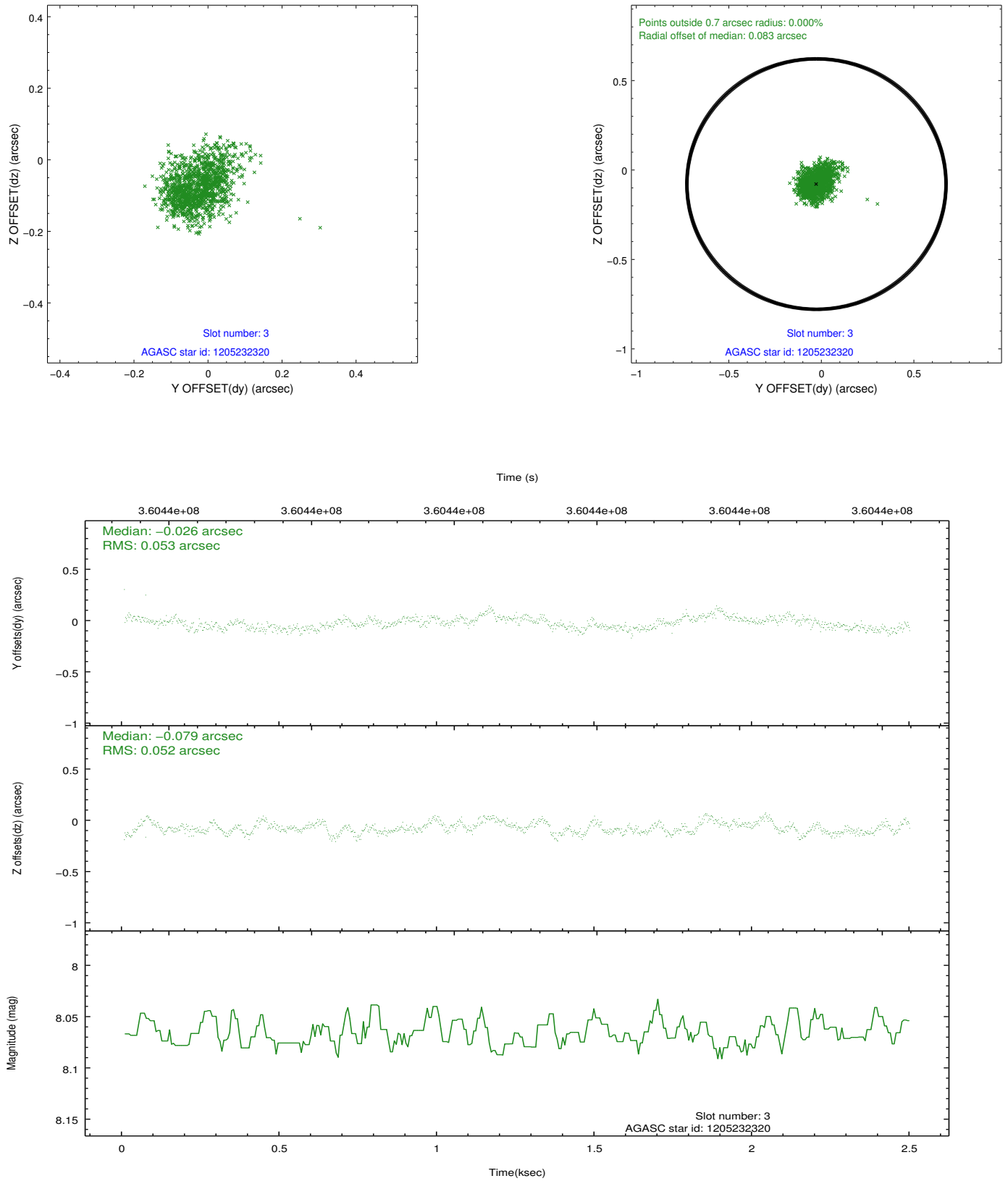


Slot Statistics

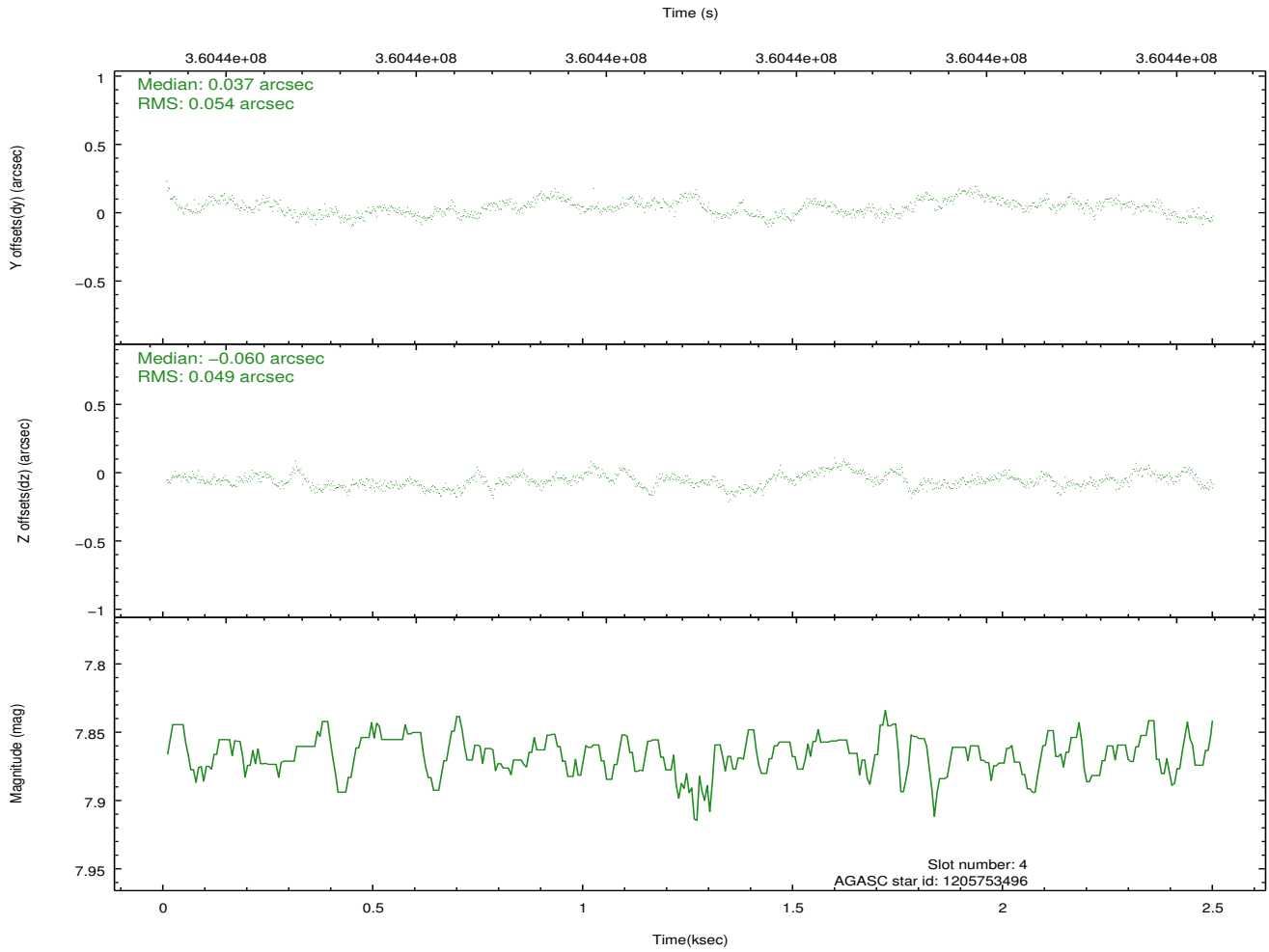
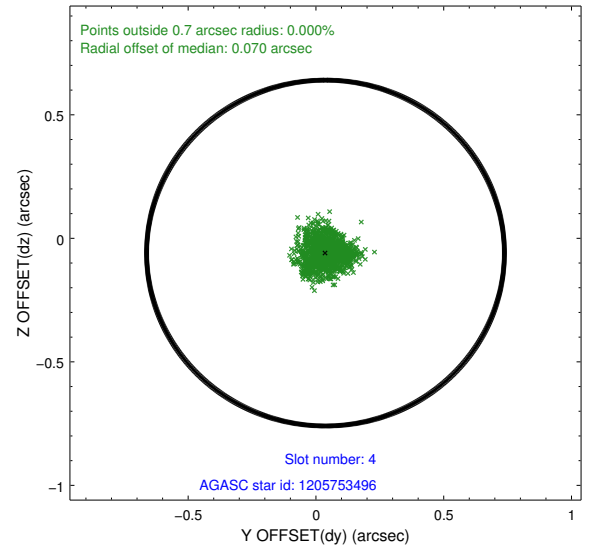
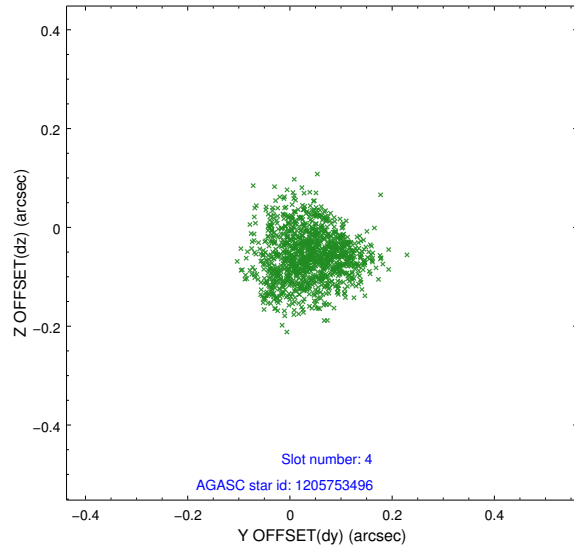
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	609	-0.087	-0.055	0.005	0.010	0.000000	0.000000	-766.17	-1736.65
1	FID	ACIS-S-4	6.98	609	0.108	0.039	0.006	0.010	0.000000	0.000000	2146.11	169.24
2	FID	ACIS-S-6	7.11	609	-0.049	0.024	0.007	0.011	0.000000	0.000000	399.17	809.57
3	GUIDE	1205232320	8.07	1217	-0.026	-0.079	0.078	0.127	132.084382	-69.372733	-873.68	-571.62
4	GUIDE	1205753496	7.87	1217	0.037	-0.060	0.081	0.123	133.204537	-69.830597	-132.78	1463.01
5	GUIDE	1205753664	8.36	1215	-0.124	0.068	0.068	0.106	132.312845	-69.439508	-810.05	-199.77
6	GUIDE	1205087720	9.30	1215	0.052	-0.015	0.084	0.133	131.730182	-68.881139	-2175.12	-1855.15
7	GUIDE	1205088536	9.81	1216	0.061	0.078	0.132	0.215	131.624888	-68.867327	-2149.80	-1999.25

2.4 Star Slots

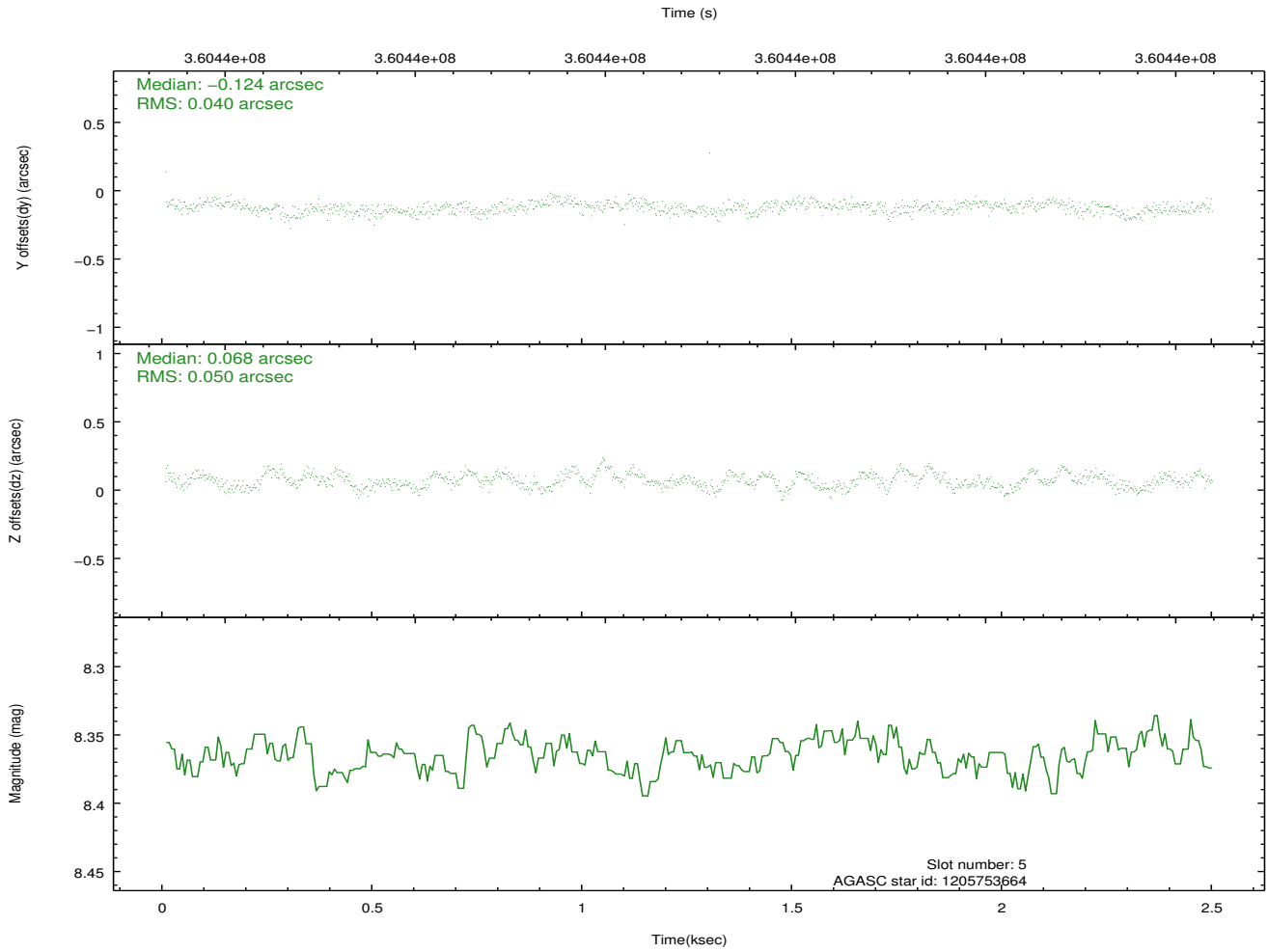
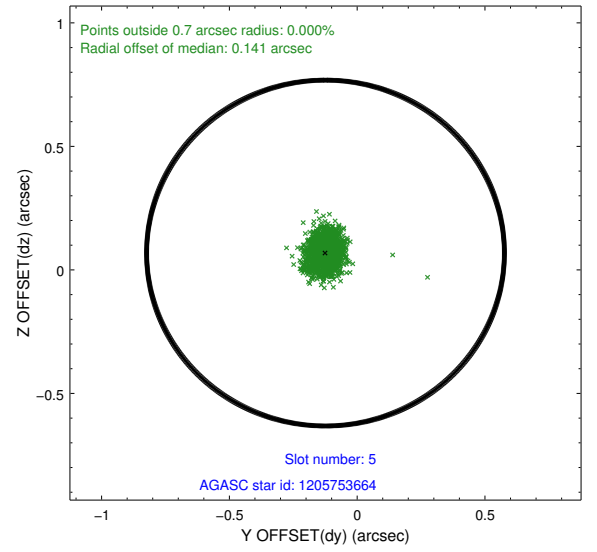
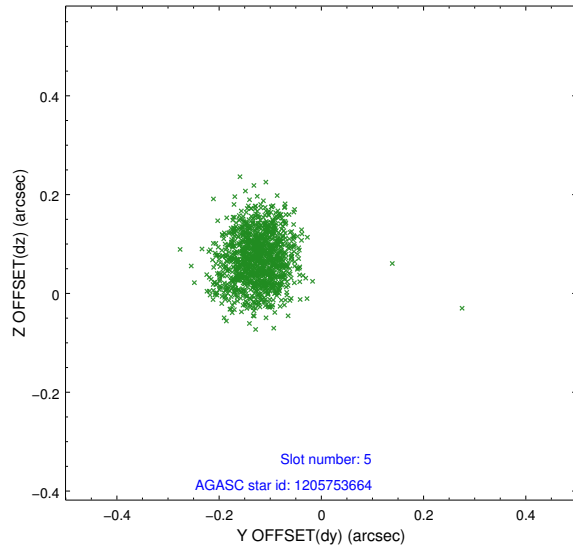
2.4.1 Slot 3



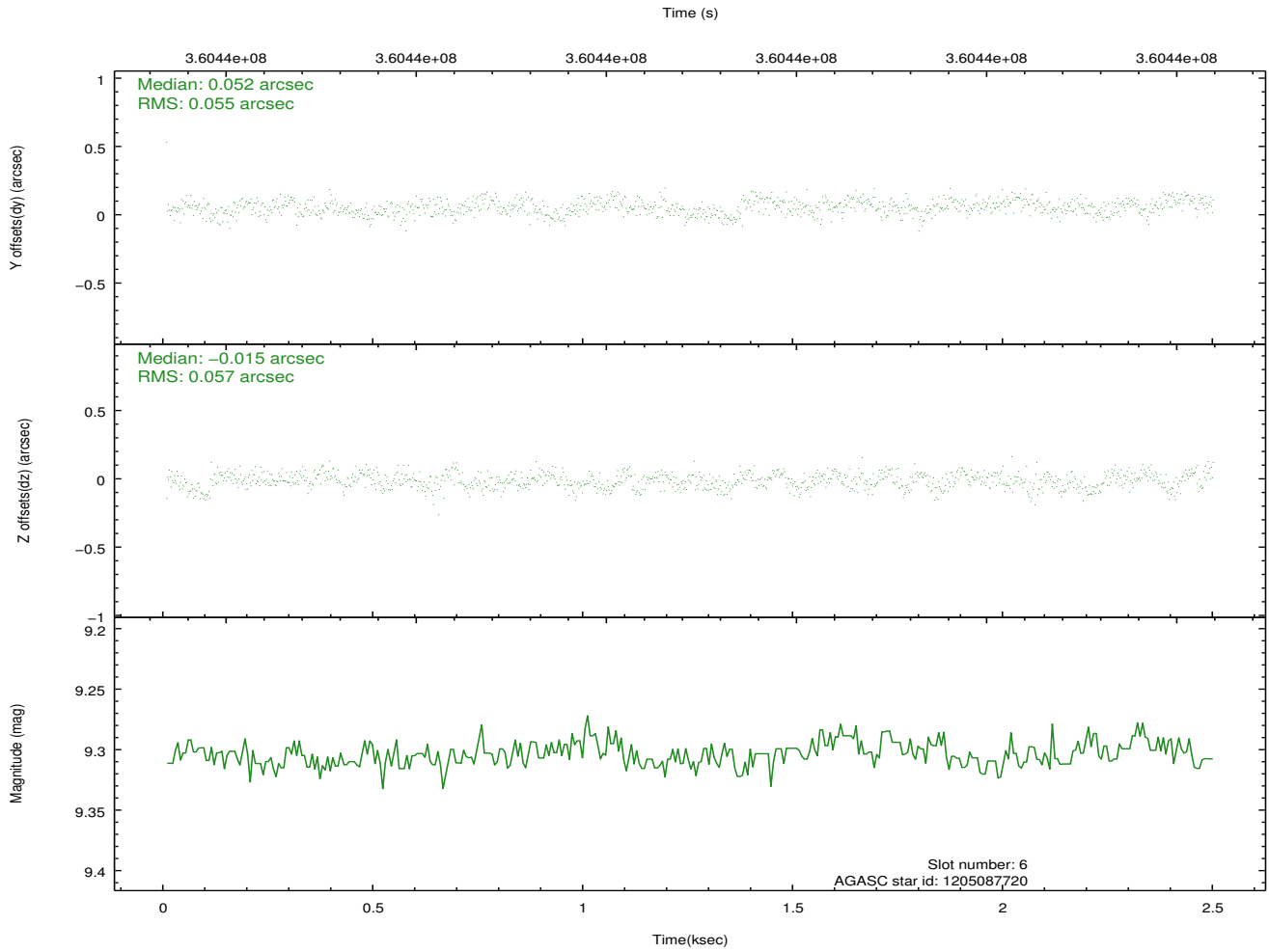
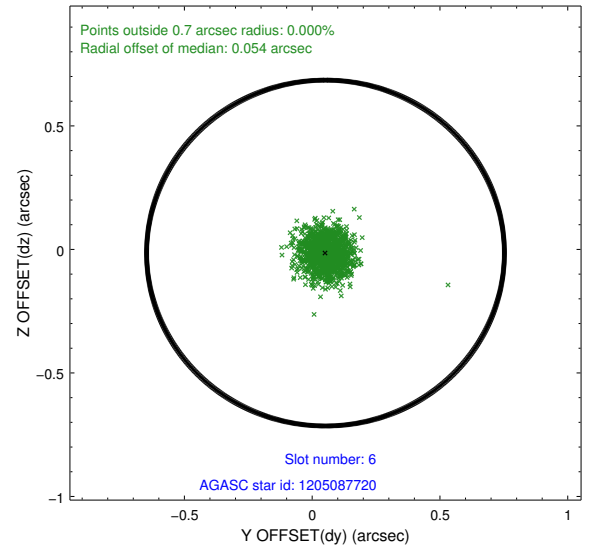
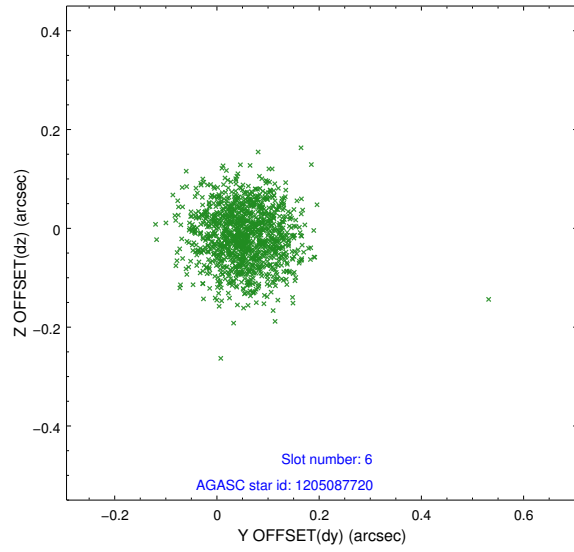
2.4.2 Slot 4



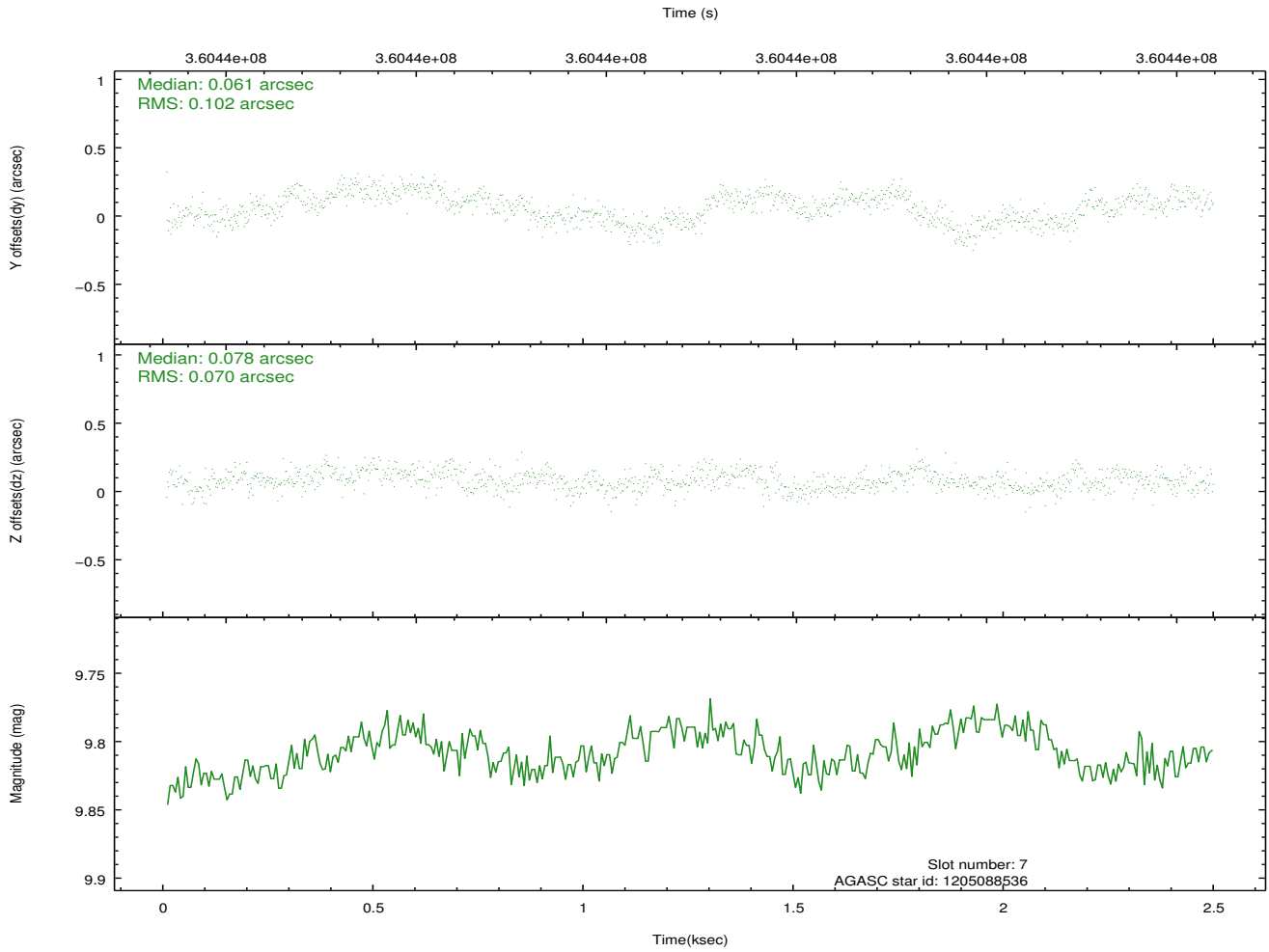
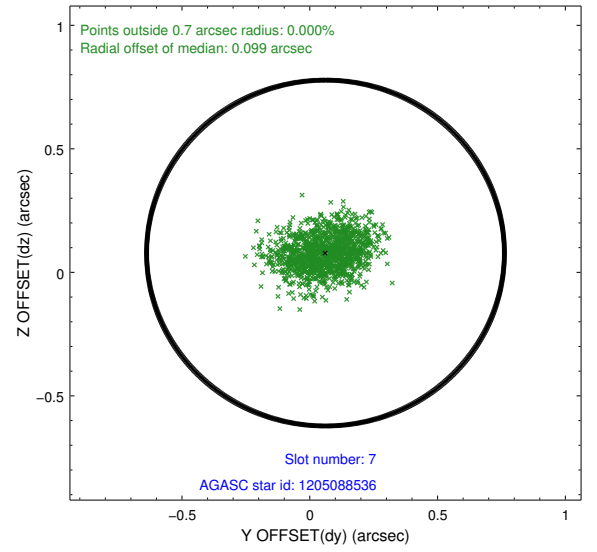
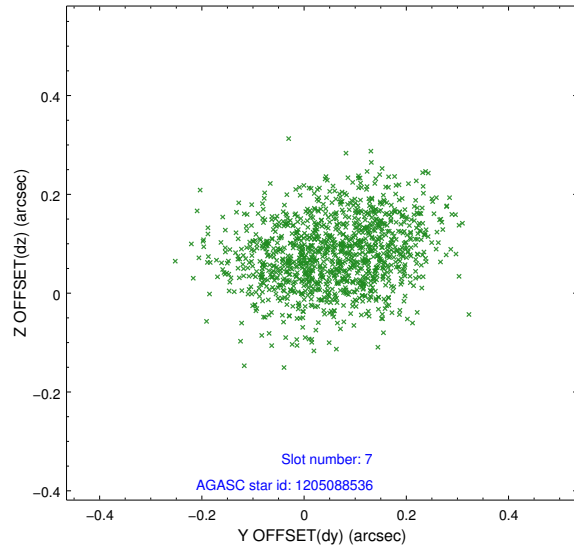
2.4.3 Slot 5



2.4.4 Slot 6

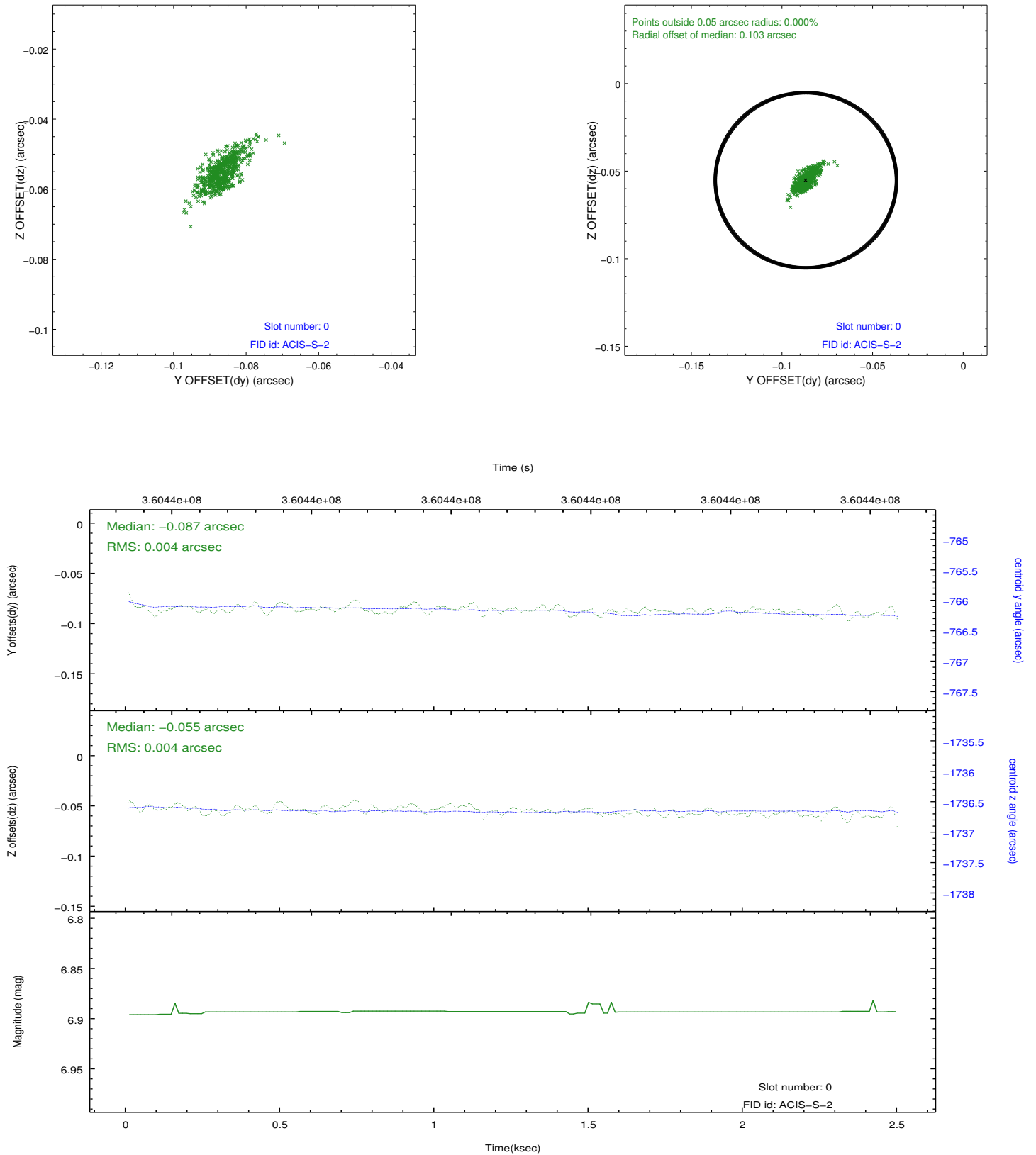


2.4.5 Slot 7

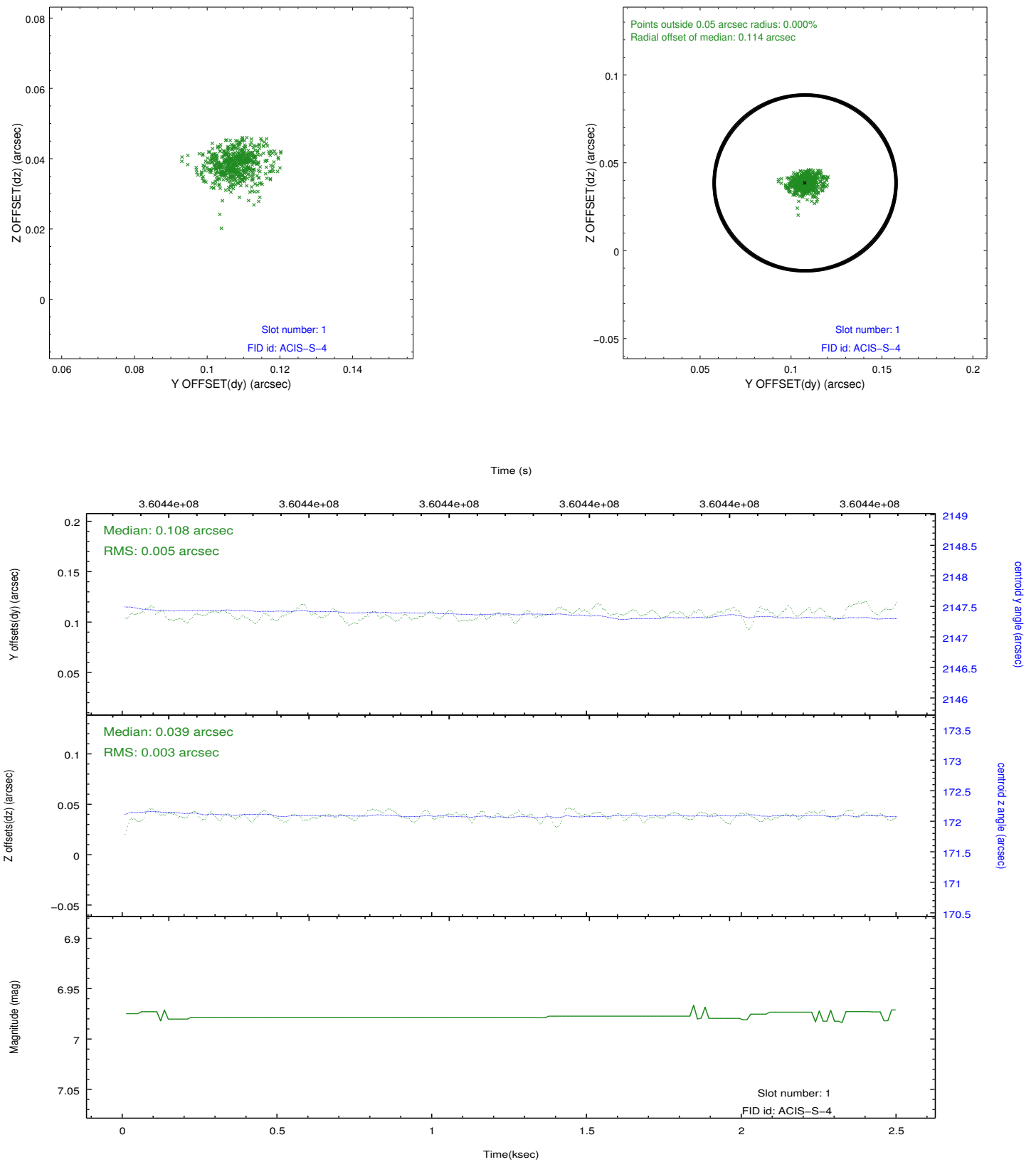


2.5 FID Slots

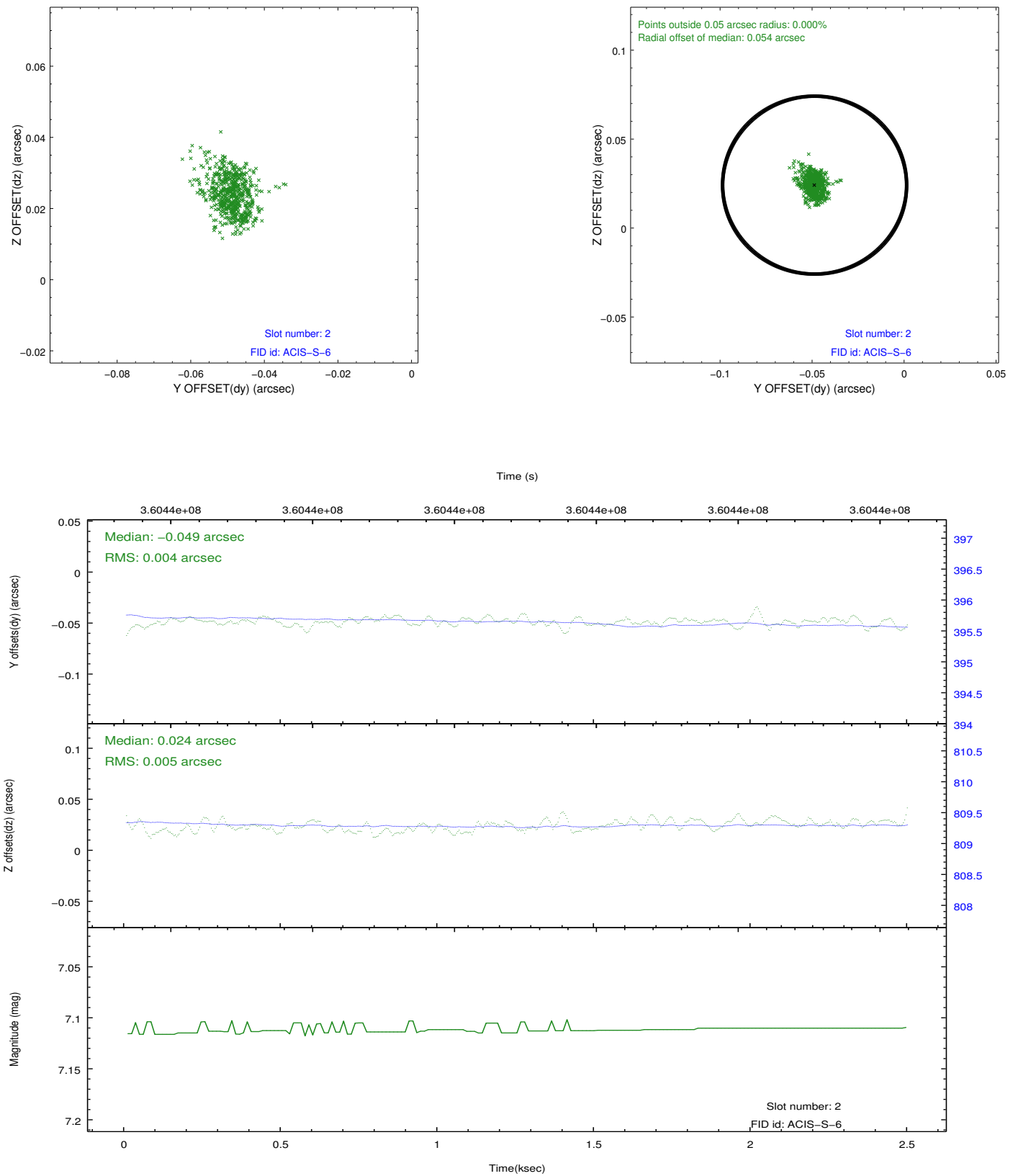
2.5.1 Slot 0



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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03670001

A.2 Comments