

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10154 - L2 Version 2
Chandra X-Ray Center

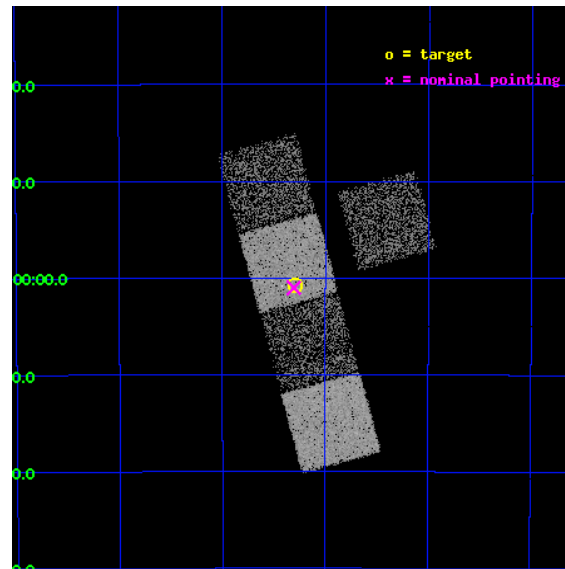
L2 Processing Date : May 30 2012

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1 Front

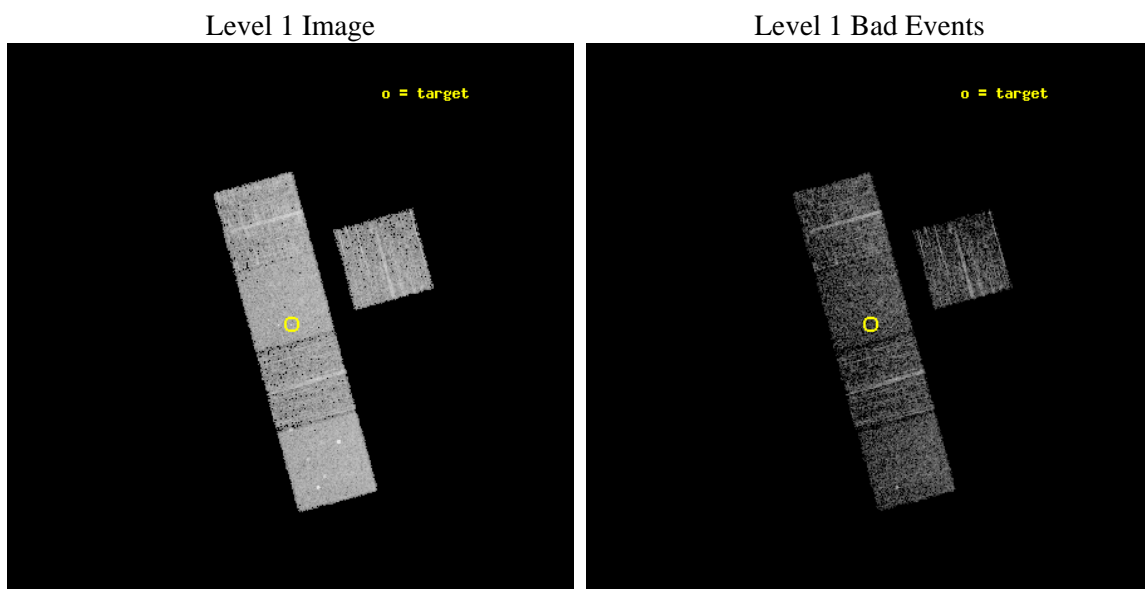
seq_num	501081	Sequence number
obs_id	10154	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ020619.4-440044	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	31.574167	Observer's specified target RA [deg]
dec_targ	-44.012444	Observer's specified target Dec [deg]
ra_nom	31.576118043287	Nominal RA [deg]
dec_nom	-44.017087238877	Nominal Dec [deg]
roll_nom	254.82365336802	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2151.4000165462	Sum of GTIs [s]
livetime	2123.2903914924	Livetime [s]
ontime3	2151.4000165462	Sum of GTIs [s]
ontime5	2151.4000165462	Sum of GTIs [s]
ontime6	2151.4000165462	Sum of GTIs [s]
ontime7	2151.4000165462	Sum of GTIs [s]
ontime8	2151.4000165462	Sum of GTIs [s]
l2events	35674	Number of level 2 events



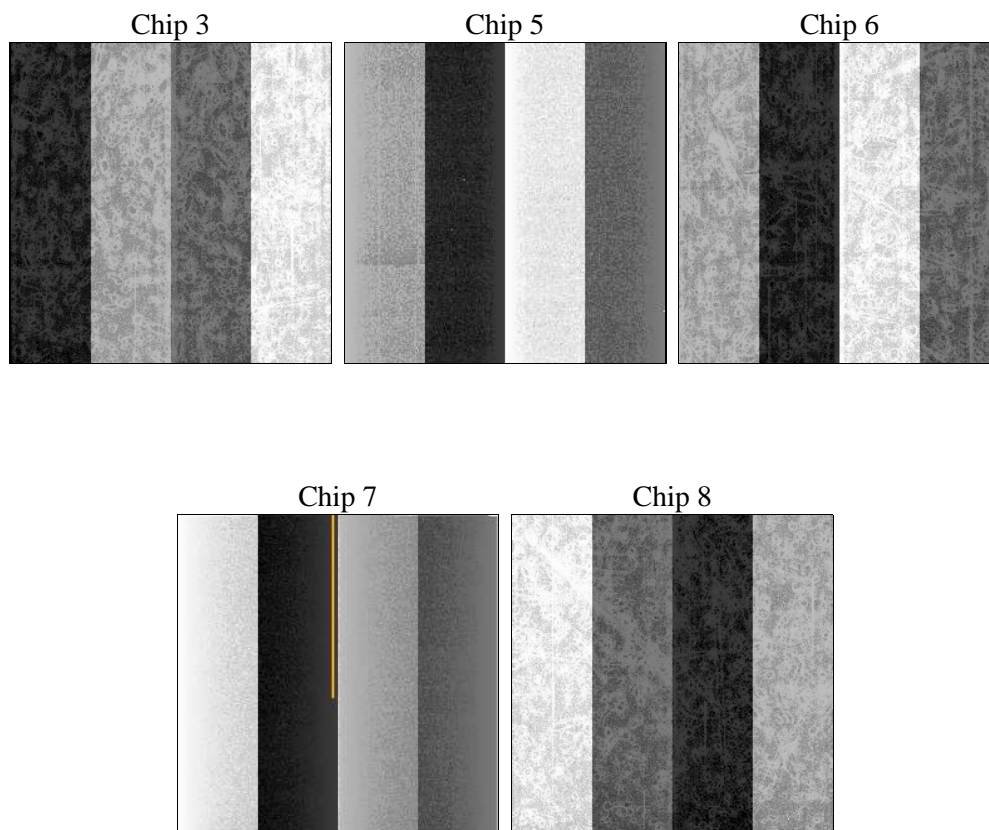
2 OBI

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	2151.4000165462	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2151.4000165462	Sum of GTIs [s]
date	2012-05-31T02:01:22	Date and time of file creation	ontime5	2151.4000165462	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2151.4000165462	Sum of GTIs [s]
			ontime7	2151.4000165462	Sum of GTIs [s]
			ontime8	2151.4000165462	Sum of GTIs [s]
			l1events	171110	Number of level 1 events

2.1.4 Events

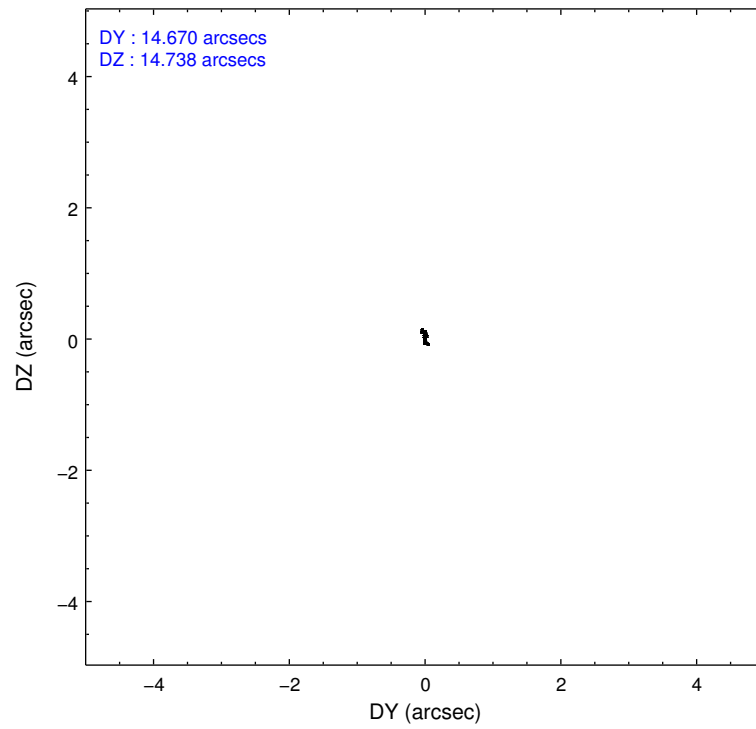
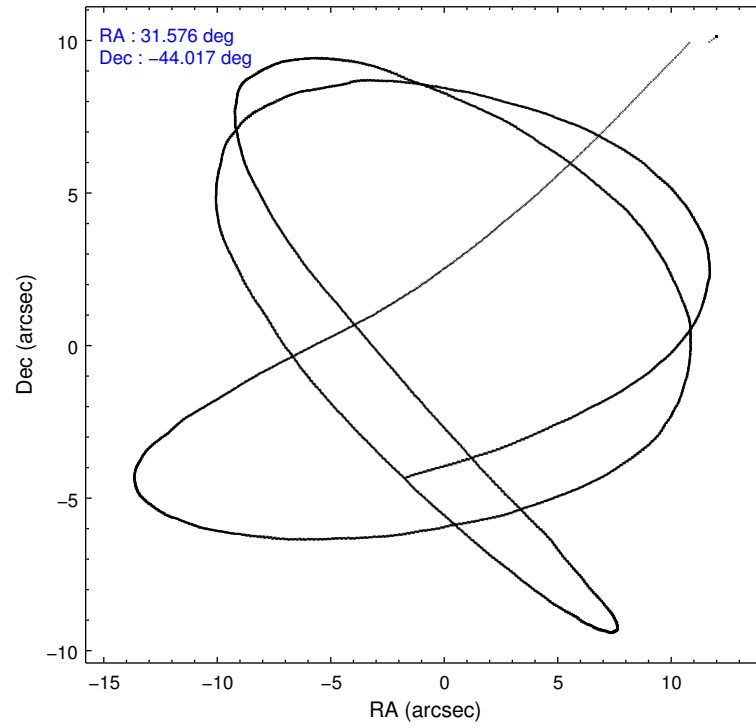
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26715	42924	26128	38668	36675
rejected events	24101	26329	23447	25225	29499
rejected %	90%	61%	89%	65%	80%

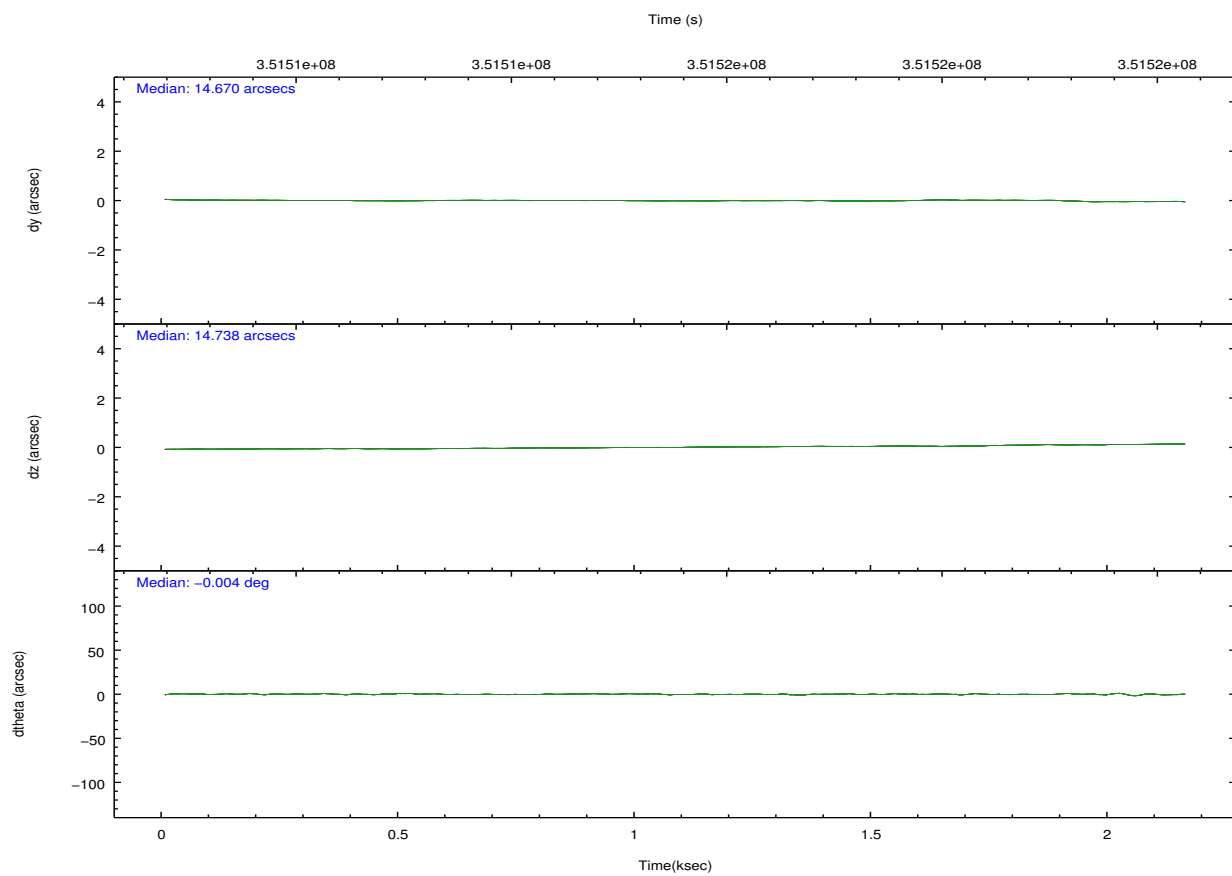
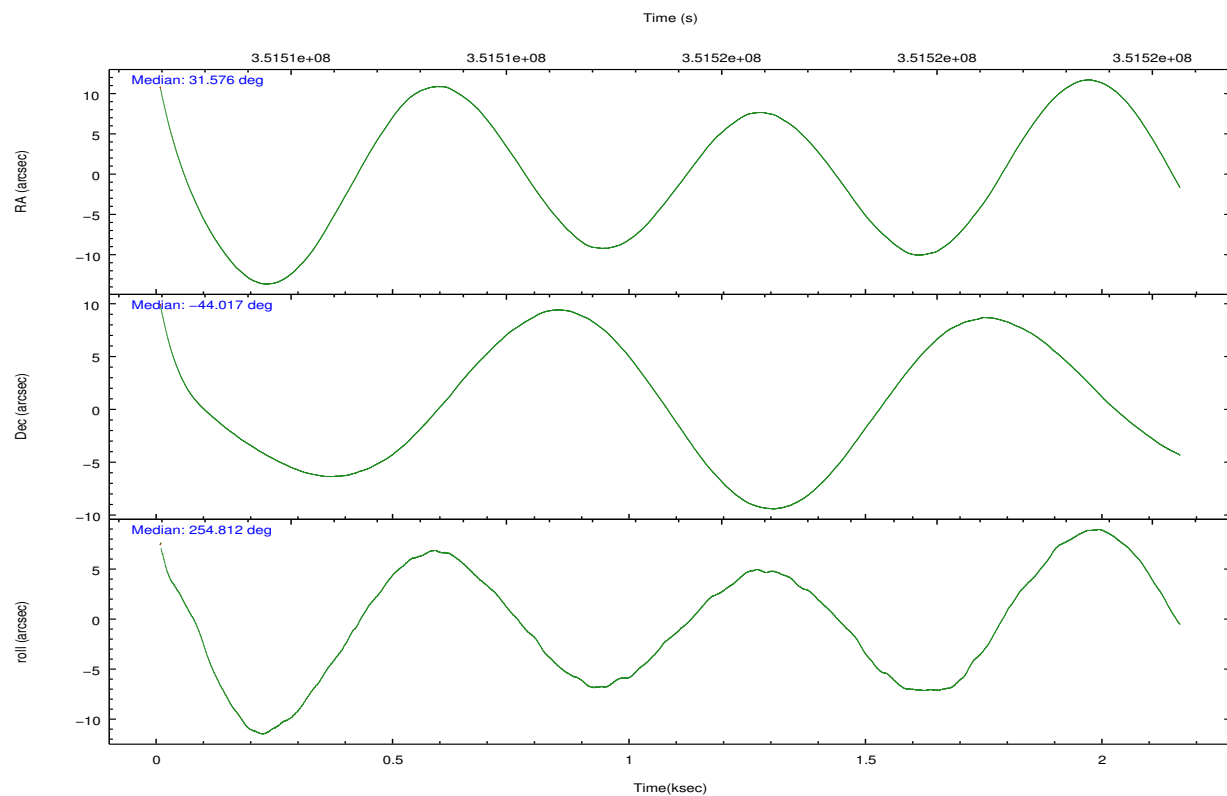
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1393	2162	1215	1463	2694
	5%	5%	4%	3%	7%
grade 1 events	15	78	17	38	36
	0%	0%	0%	0%	0%
grade 2 events	589	6228	744	3407	1946
	2%	14%	2%	8%	5%
grade 3 events	327	690	309	1372	916
	1%	1%	1%	3%	2%
grade 4 events	325	639	314	1363	848
	1%	1%	1%	3%	2%
grade 5 events	1297	3033	1295	3601	1718
	4%	7%	4%	9%	4%
grade 6 events	578	10411	652	8659	2093
	2%	24%	2%	22%	5%
grade 7 events	22191	19683	21582	18765	26424
	83%	45%	82%	48%	72%

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	31.565862	31.57611804328674	CCD I2 on	N	N
[deg] Pointing Dec	-43.990753	-44.01708723887719	CCD I3 on	Y	Y
[deg] Pointing Roll	254.659945	254.8236533680154	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)	351513957.184000	351512743.71351	CCD S5 on	N	N
Observation start date	2009-02-20T10:44:51	2009-02-20T10:25:43	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	351515957.184000	351517264.98873	On-chip summing requested	N	N
Observation end date	2009-02-20T11:18:11	2009-02-20T11:41:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



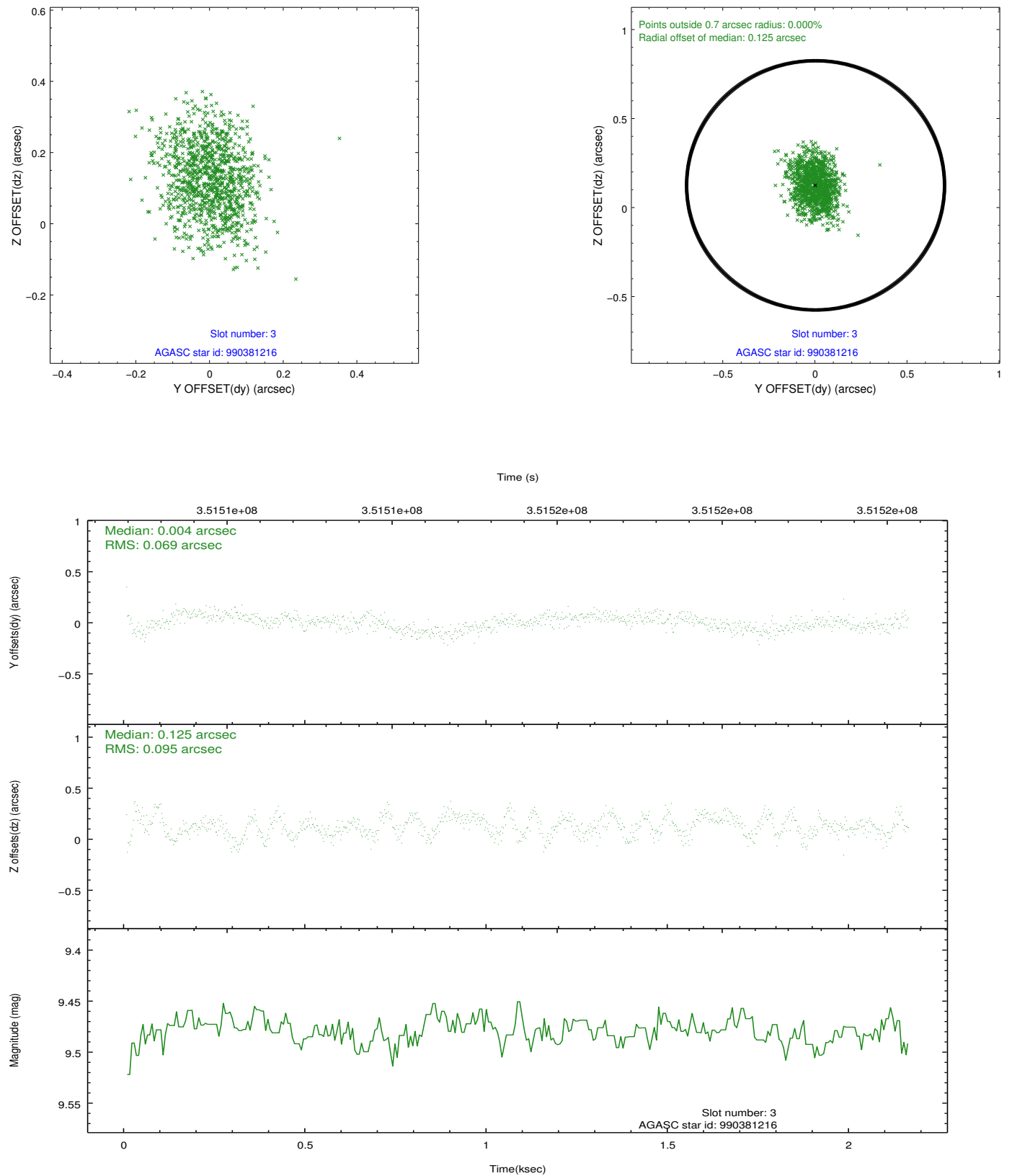


Slot Statistics

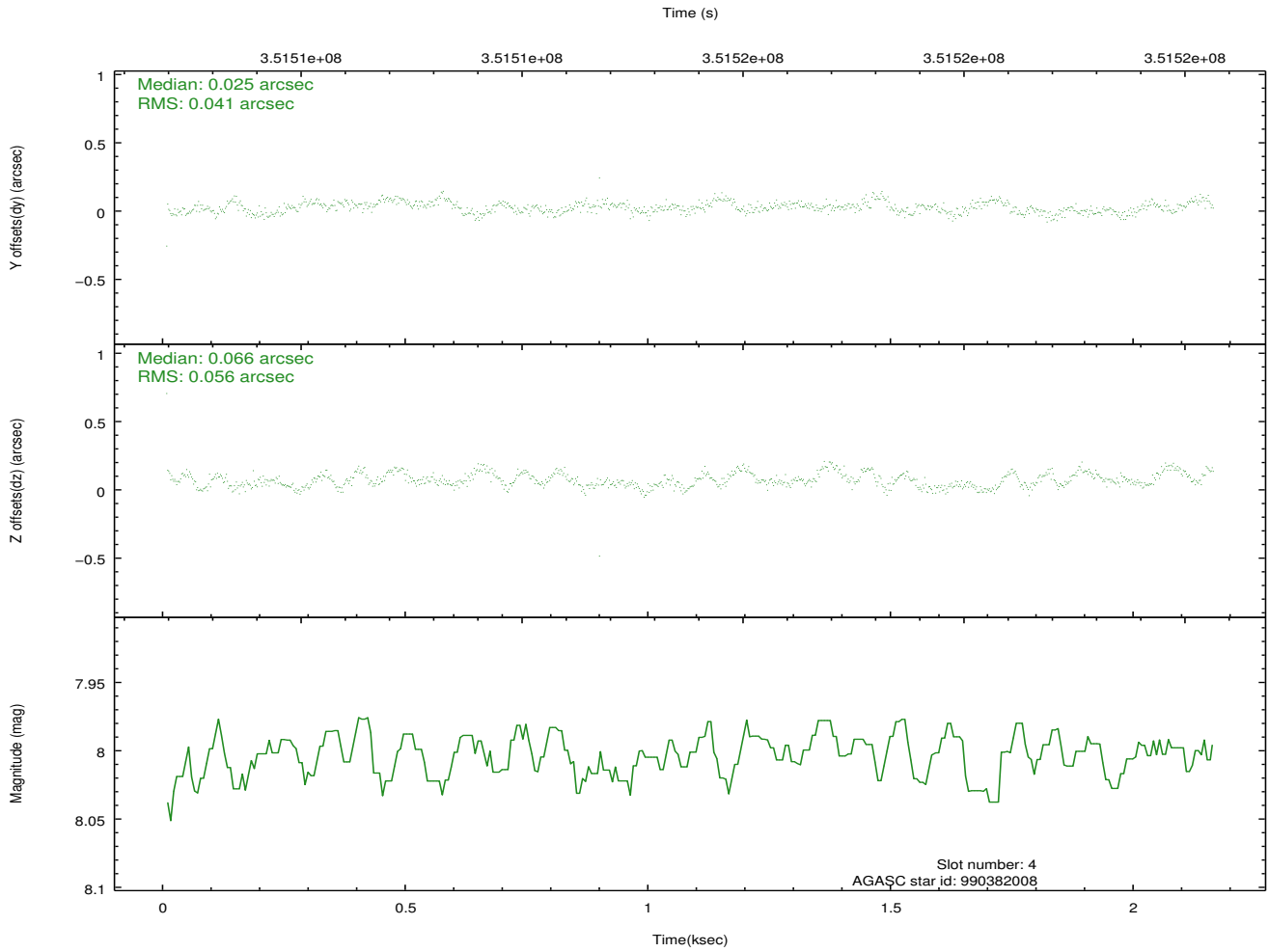
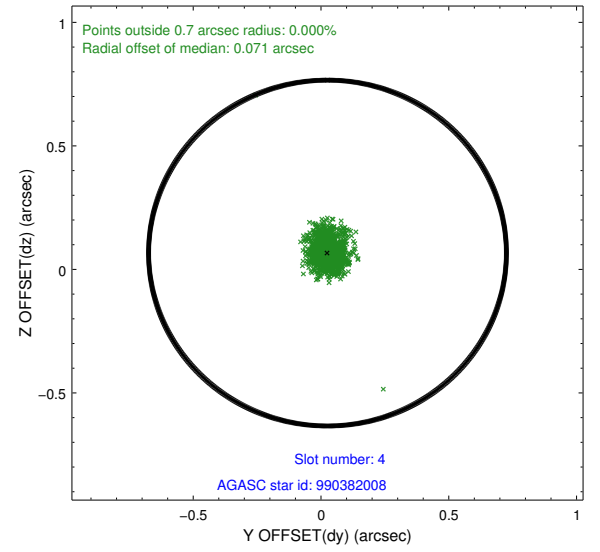
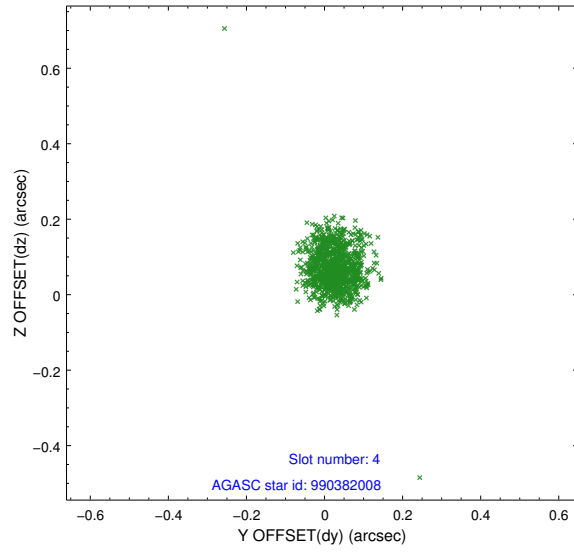
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	527	-0.077	-0.010	0.006	0.011	0.000000	0.000000	-767.70	-1736.08
1	FID	ACIS-S-4	7.01	527	0.172	0.040	0.005	0.008	0.000000	0.000000	2144.43	169.33
2	FID	ACIS-S-5	7.04	527	-0.125	-0.021	0.006	0.010	0.000000	0.000000	-1816.73	166.36
3	GUIDE	990381216	9.48	1052	0.004	0.125	0.125	0.200	30.795771	-43.607731	-789.06	-2297.89
4	GUIDE	990382008	8.00	1052	0.025	0.066	0.069	0.110	32.173989	-44.491926	1331.64	1983.27
5	GUIDE	990382904	7.93	1053	-0.031	0.056	0.066	0.102	31.102405	-43.507689	-1351.87	-1623.83
6	GUIDE	990384064	6.30	1053	-0.010	-0.147	0.069	0.112	32.520052	-43.815577	-1251.54	2226.03
7	GUIDE	990386856	8.91	1047	0.014	-0.102	0.098	0.152	30.999412	-44.000140	424.57	-1402.04

2.4 Star Slots

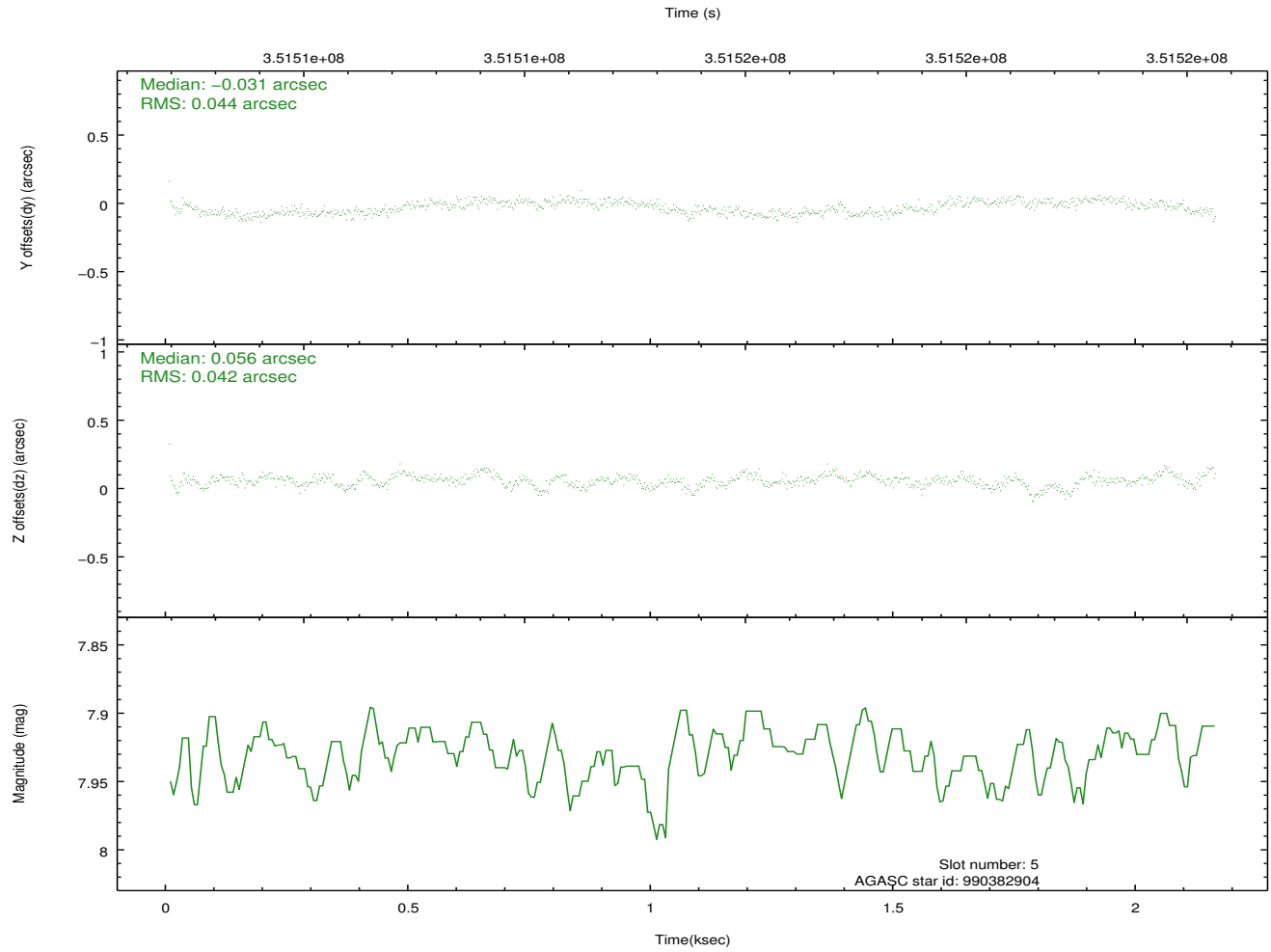
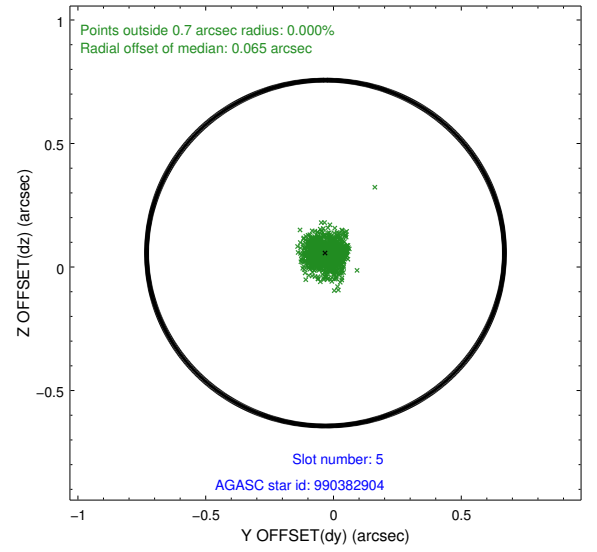
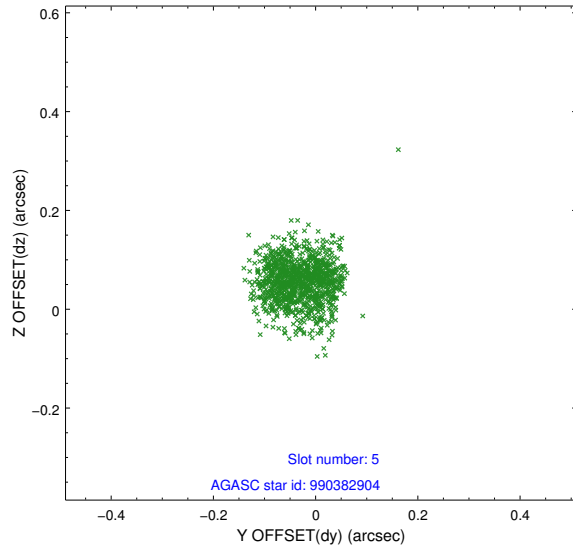
2.4.1 Slot 3



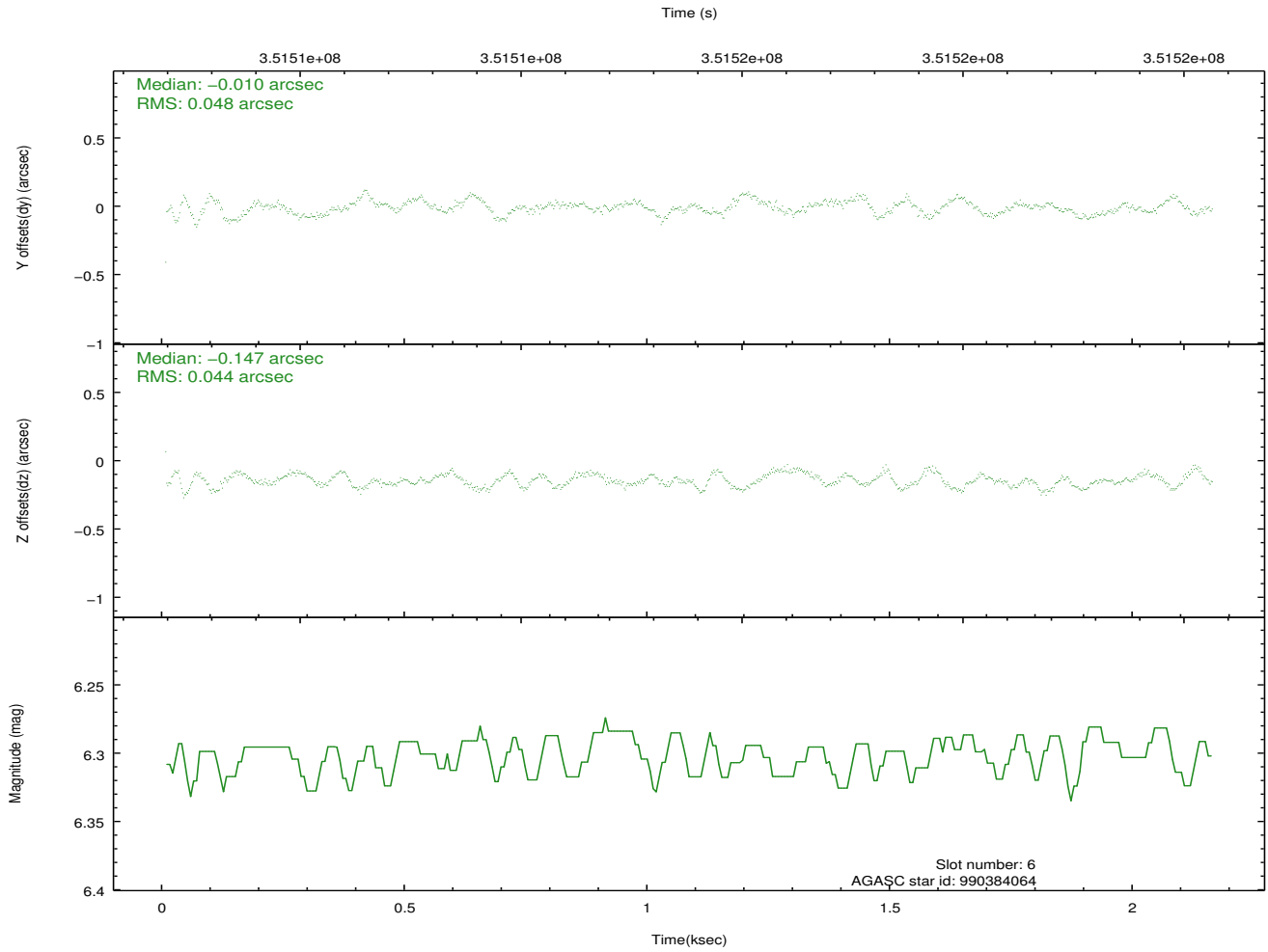
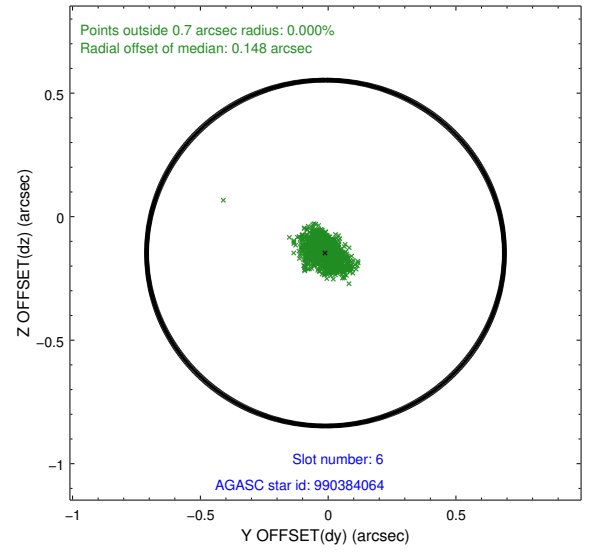
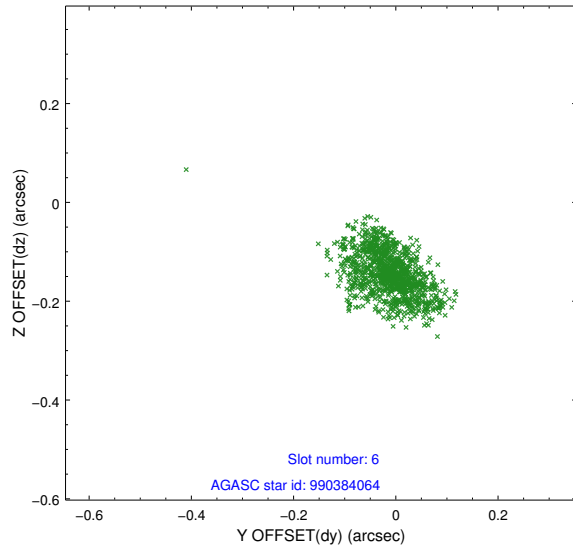
2.4.2 Slot 4



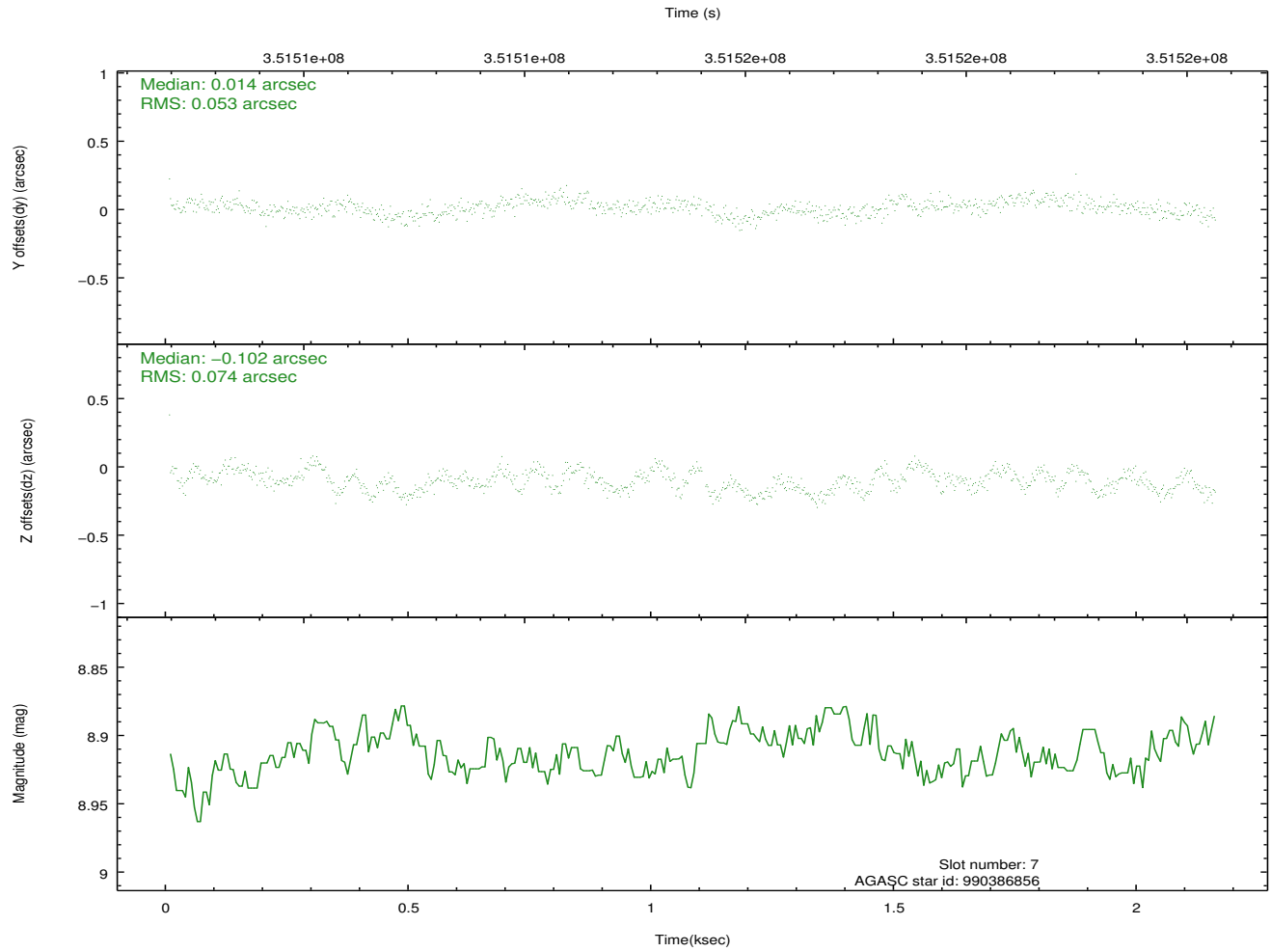
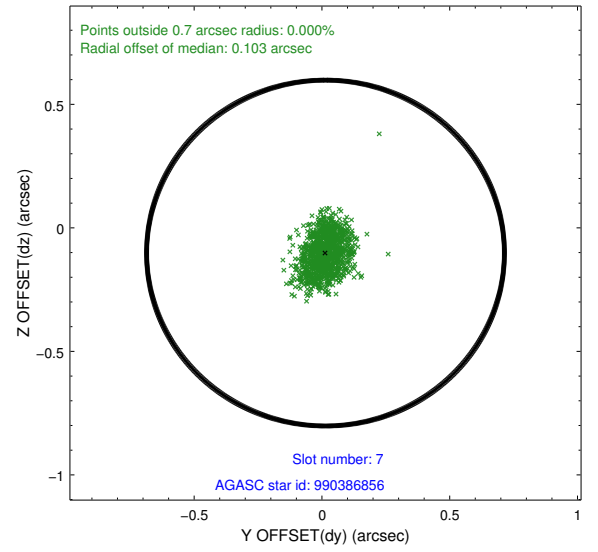
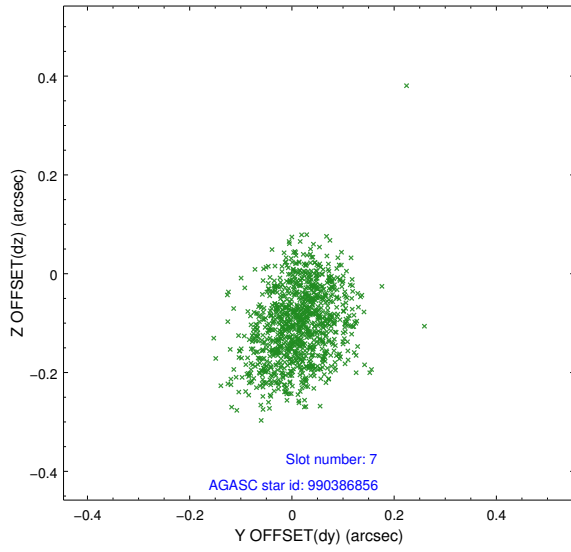
2.4.3 Slot 5



2.4.4 Slot 6

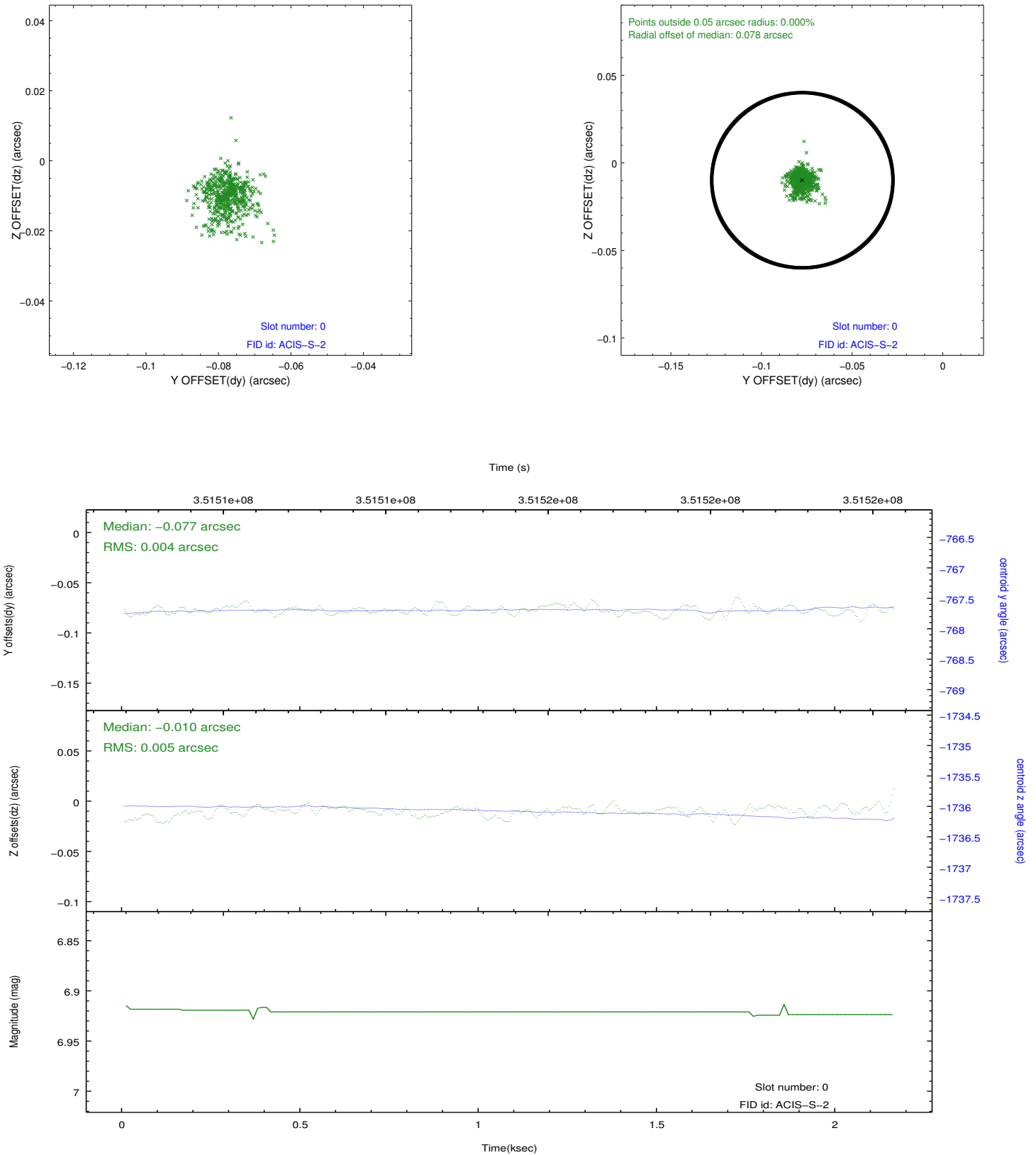


2.4.5 Slot 7

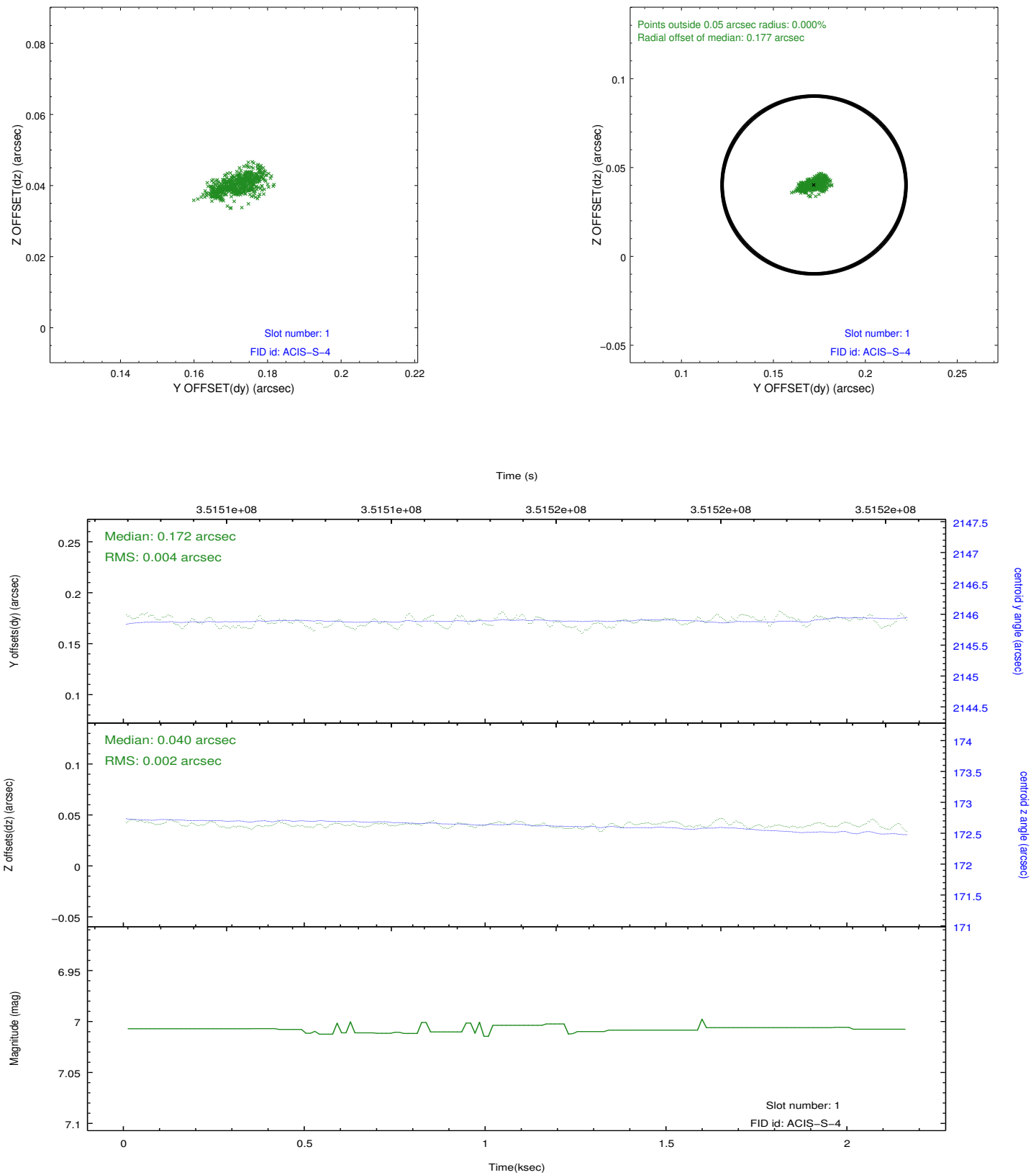


2.5 FID Slots

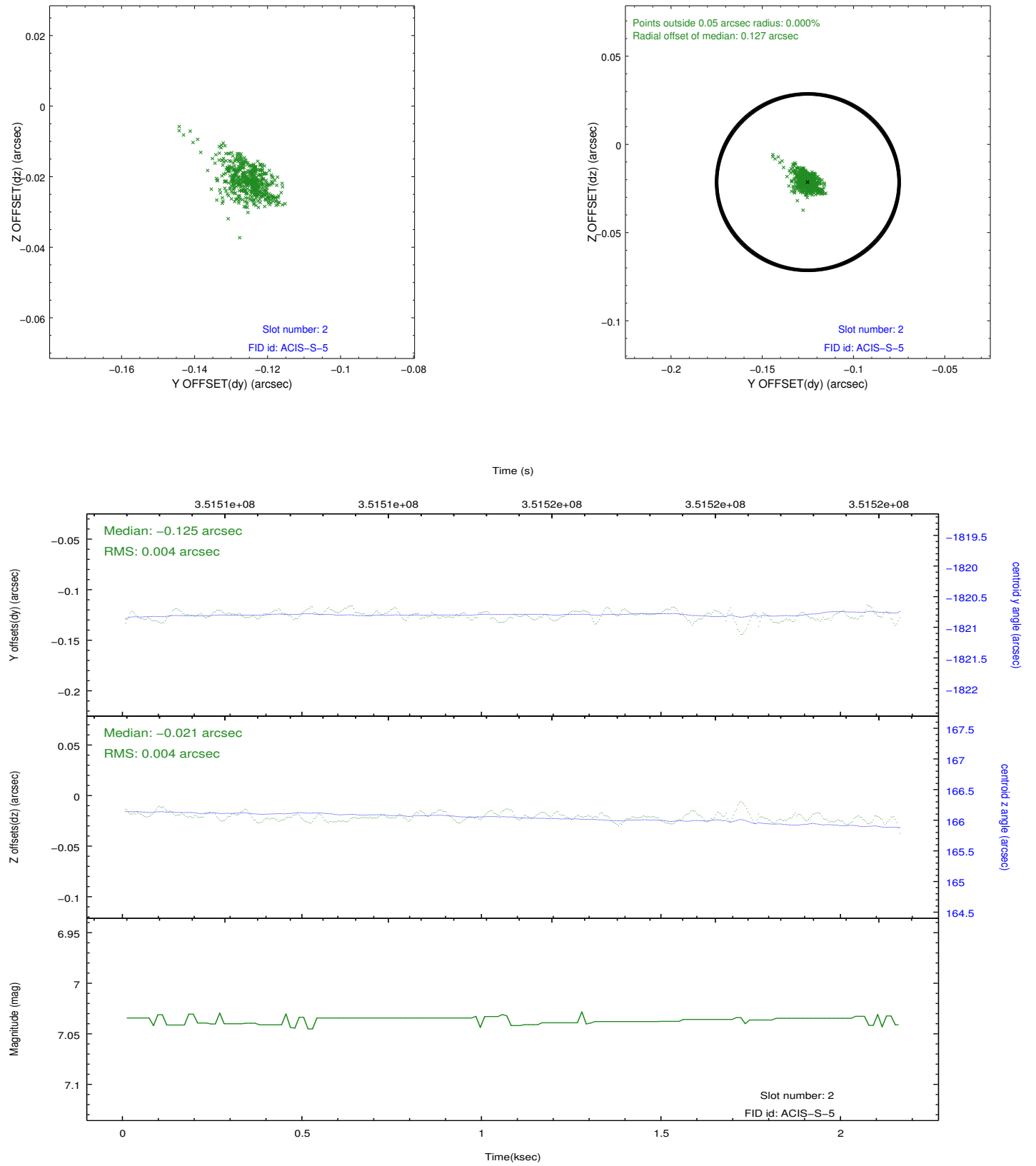
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.15140001

A.2 Comments