

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10383 - L2 Version 2
Chandra X-Ray Center

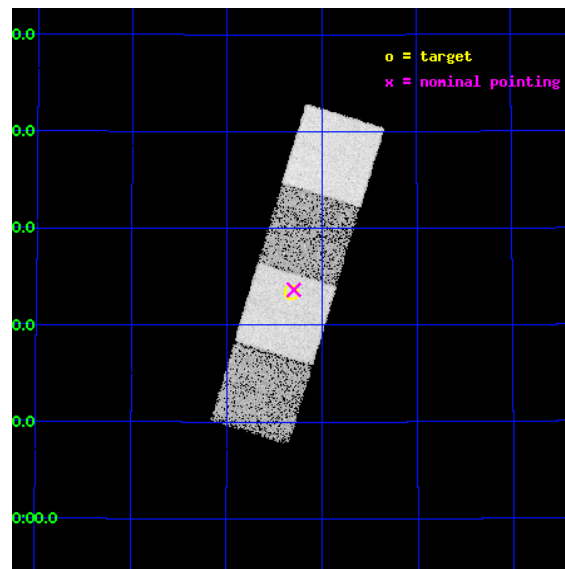
L2 Processing Date : May 25 2012

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1 Front

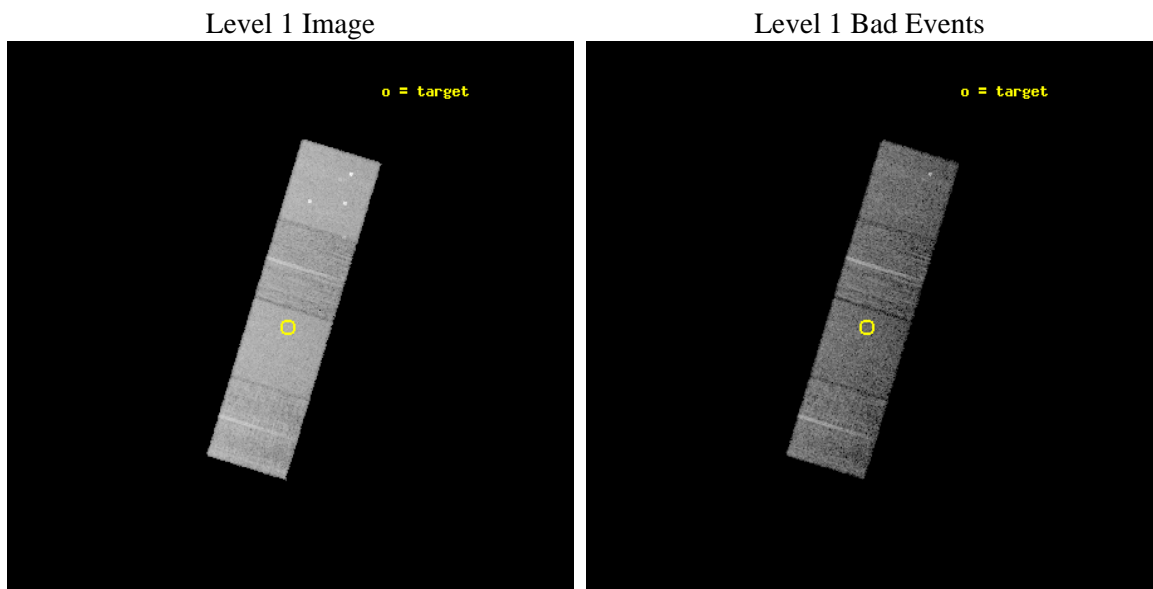
seq_num	701926	Sequence number
obs_id	10383	Observation id
title	Chandra survey of Polar Broad Absorption-Line Quasars	Proposal tit
observer	Dr. Kajal Ghosh	Principal investigator
object	SDSS J081618.99+482328.4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	124.079167	Observer's specified target RA [deg]
dec_targ	48.391222	Observer's specified target Dec [deg]
ra_nom	124.07360957785	Nominal RA [deg]
dec_nom	48.394376051797	Nominal Dec [deg]
roll_nom	106.97683989982	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6113.2000470161	Sum of GTIs [s]
livetime	6033.3265879295	Livetime [s]
ontime5	6113.2000470161	Sum of GTIs [s]
ontime6	6113.2000470161	Sum of GTIs [s]
ontime7	6113.2000470161	Sum of GTIs [s]
ontime8	6113.2000470161	Sum of GTIs [s]
l2events	93399	Number of level 2 events



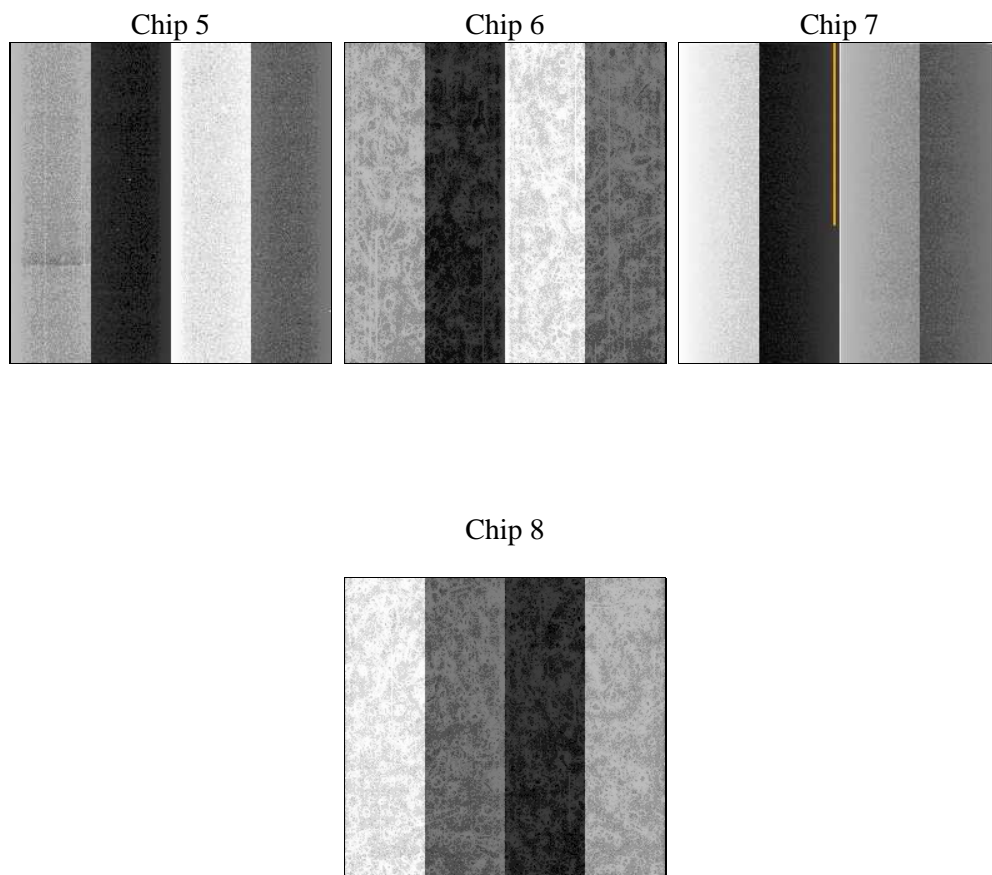
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.082000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6113.2000470161	Sum of GTIs [s]
caldbver	4.4.9	 	ontime5	6113.2000470161	Sum of GTIs [s]
date	2012-05-25T20:18:39	Date and time of file creation	ontime6	6113.2000470161	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	6113.2000470161	Sum of GTIs [s]
			ontime8	6113.2000470161	Sum of GTIs [s]
			l1events	349599	Number of level 1 events

2.1.4 Events

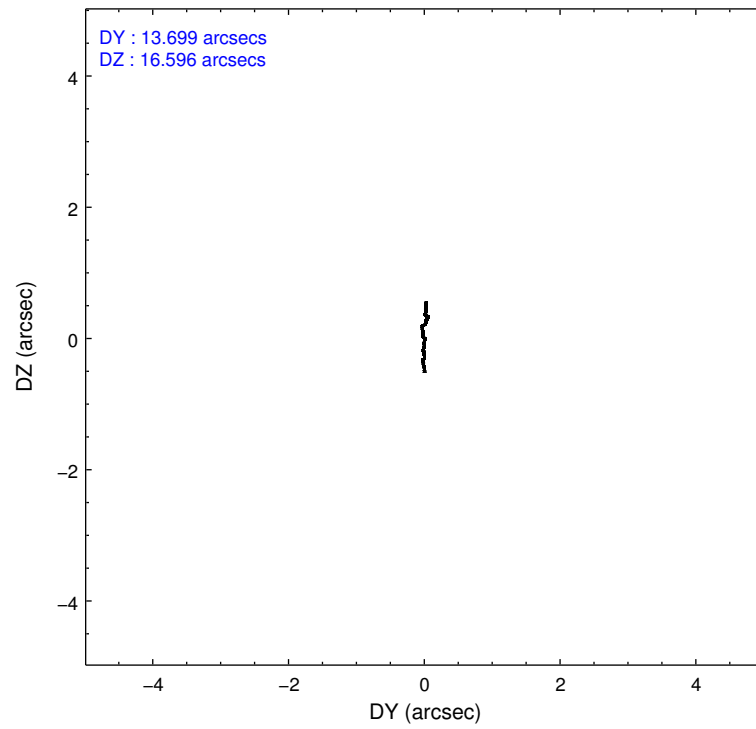
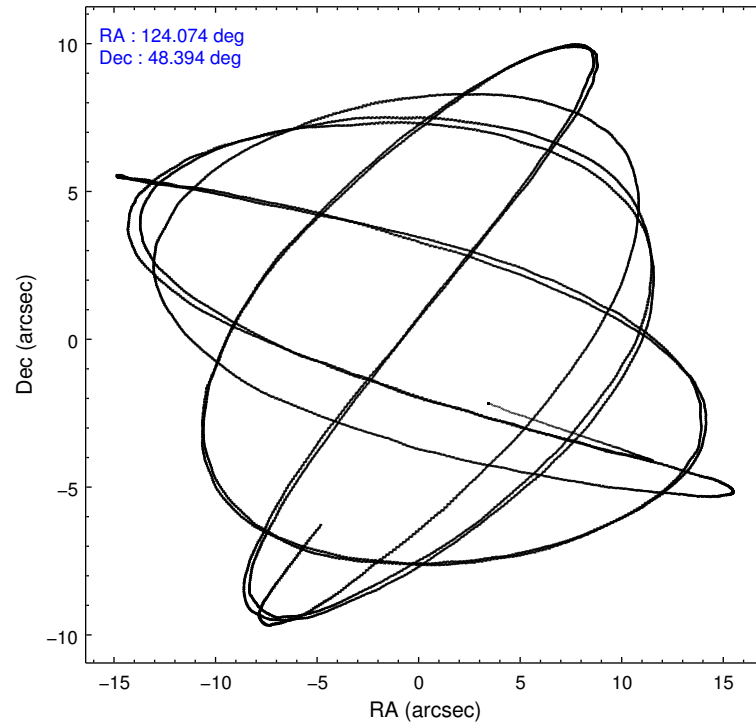
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	106925	65971	92796	83907
rejected events	59617	57752	56294	65157
rejected %	55%	87%	60%	77%

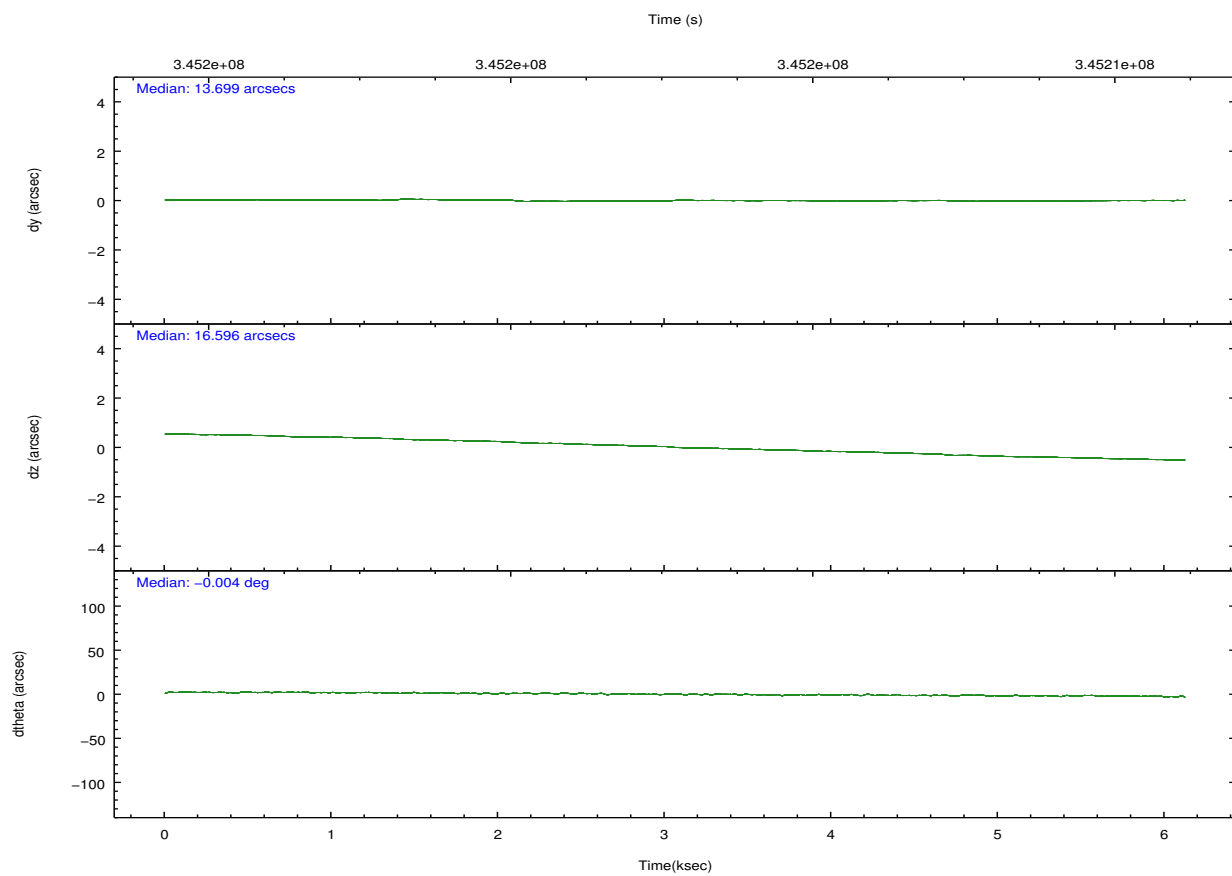
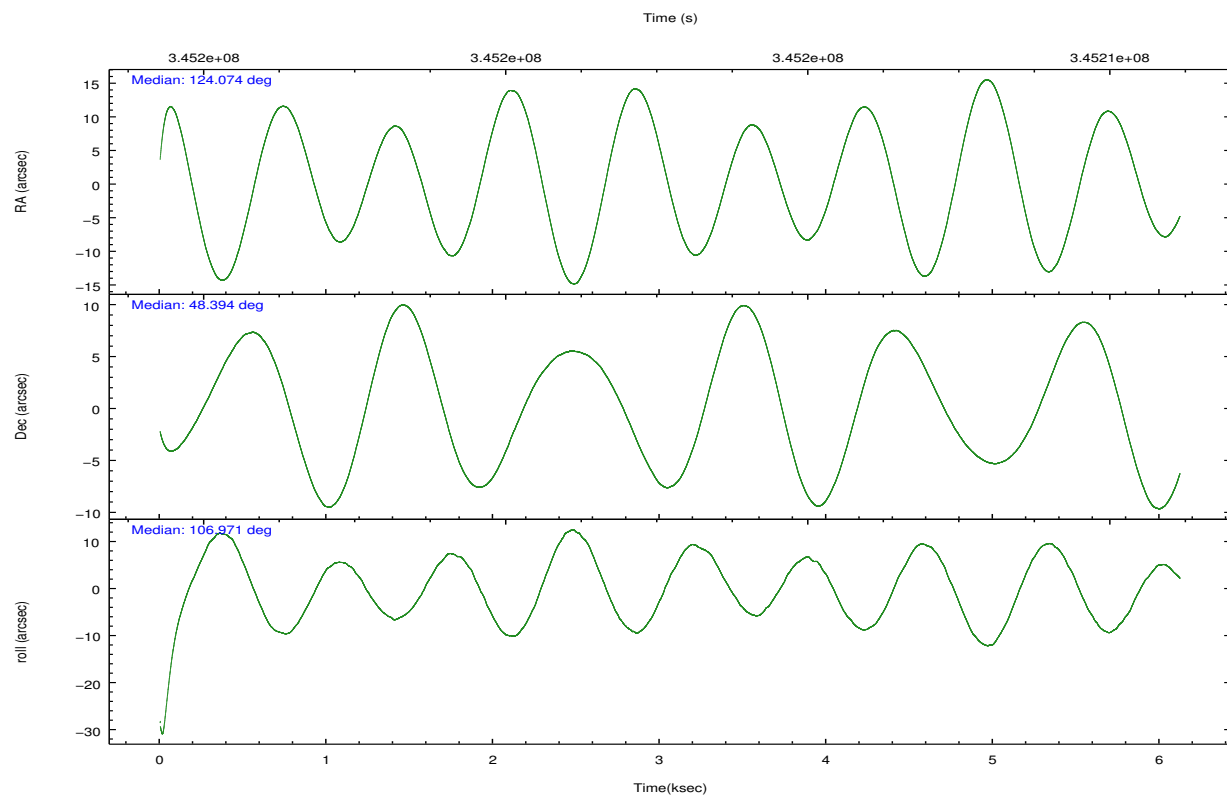
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6133	3557	3469	6706
	5%	5%	3%	7%
grade 1 events	221	40	102	57
	0%	0%	0%	0%
grade 2 events	15933	1936	8110	4534
	14%	2%	8%	5%
grade 3 events	1803	809	3297	2143
	1%	1%	3%	2%
grade 4 events	1671	792	3229	2017
	1%	1%	3%	2%
grade 5 events	7441	3151	8551	4229
	6%	4%	9%	5%
grade 6 events	25667	1807	21378	5015
	24%	2%	23%	5%
grade 7 events	48056	53879	44660	59206
	44%	81%	48%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	124.104161	124.0736095778512	Subarray requested	NONE	NONE
[deg] Pointing Dec	48.376047	48.39437605179683	Alternating exposures requested	N	N
[deg] Pointing Roll	106.797421	106.9768398998168	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	345200159.184000	345199010.92595			
Observation start date	2008-12-09T08:54:54	2008-12-09T08:36:50			
[s] Observation end time (MET)	345206159.184000	345206377.08881			
Observation end date	2008-12-09T10:34:54	2008-12-09T10:39:37			
Read mode	TIMED	TIMED			

2.3 Aspect



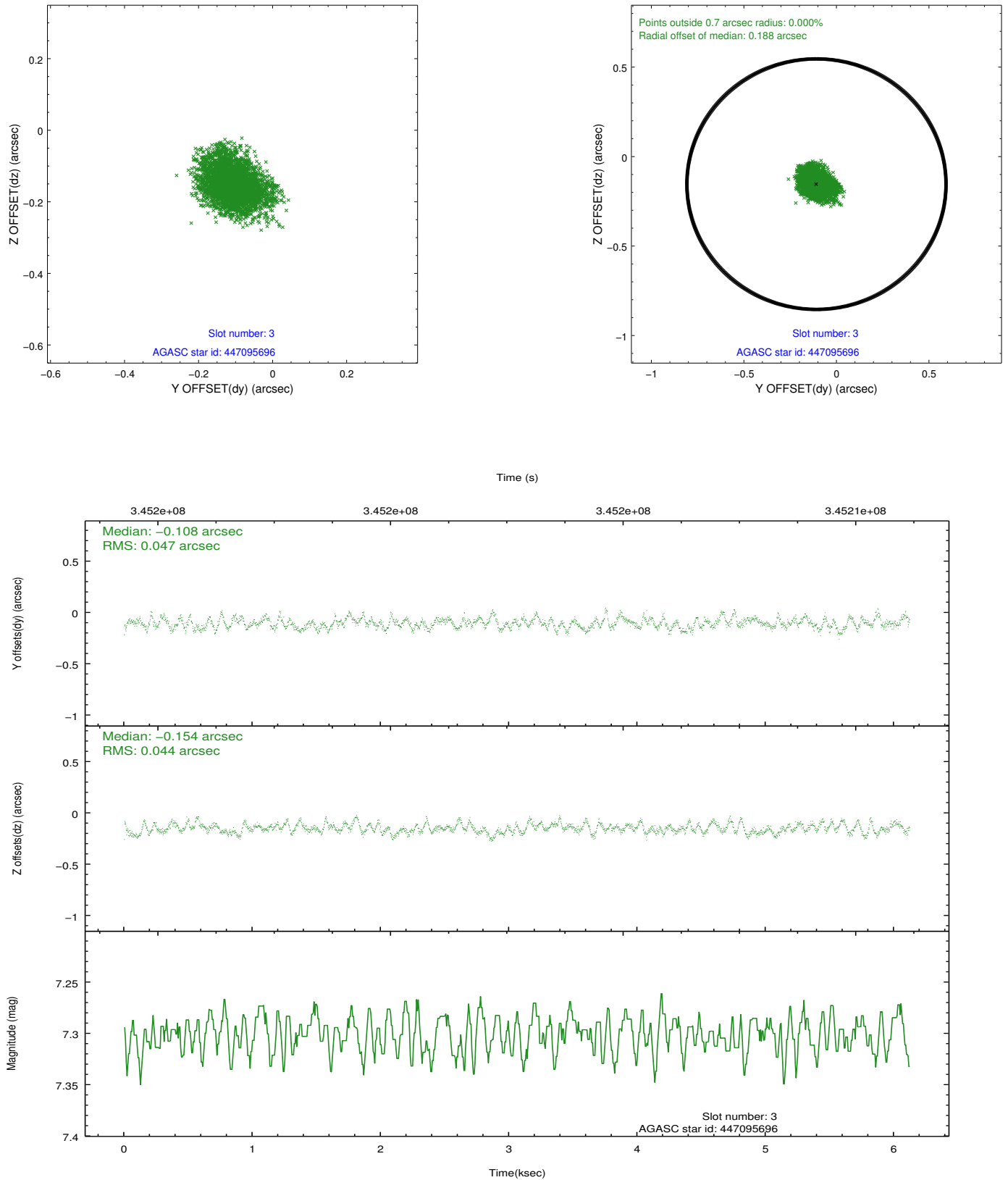


Slot Statistics

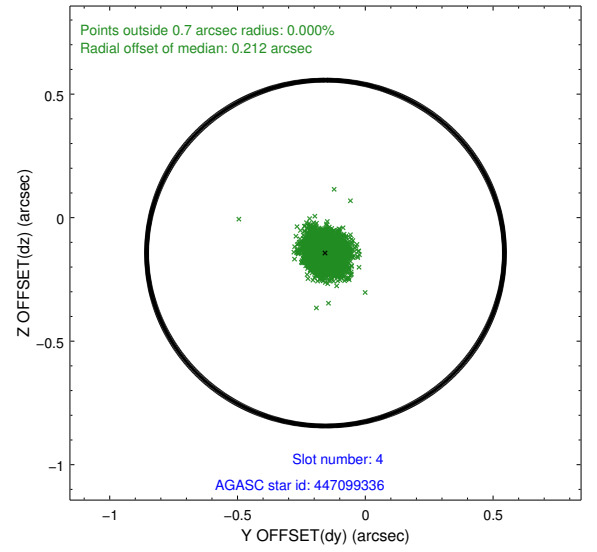
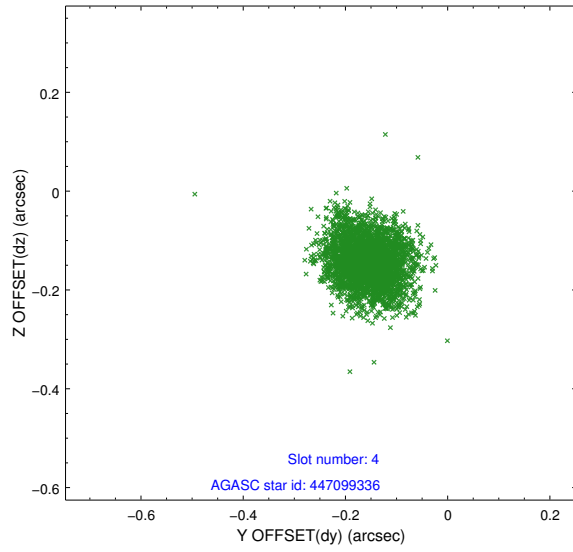
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1493	-0.031	-0.013	0.013	0.018	0.000000	0.000000	-766.68	-1738.05
1	FID	ACIS-S-4	6.97	1493	0.167	0.019	0.007	0.013	0.000000	0.000000	2146.37	169.45
2	FID	ACIS-S-5	7.00	1493	-0.167	0.002	0.013	0.018	0.000000	0.000000	-1818.41	164.23
3	GUIDE	447095696	7.30	2987	-0.108	-0.154	0.069	0.110	123.365697	48.280823	191.31	1790.31
4	GUIDE	447099336	7.82	2987	-0.156	-0.143	0.066	0.105	123.619219	48.437866	551.27	1043.65
5	GUIDE	447102728	9.36	2979	0.126	-0.156	0.100	0.163	123.709589	48.821156	1807.07	432.06
6	GUIDE	448006160	8.33	2986	0.024	0.175	0.076	0.121	124.237130	48.566527	566.27	-501.22
7	GUIDE	448011264	9.06	2985	0.115	0.279	0.103	0.162	125.130440	48.287996	-997.47	-2266.41

2.4 Star Slots

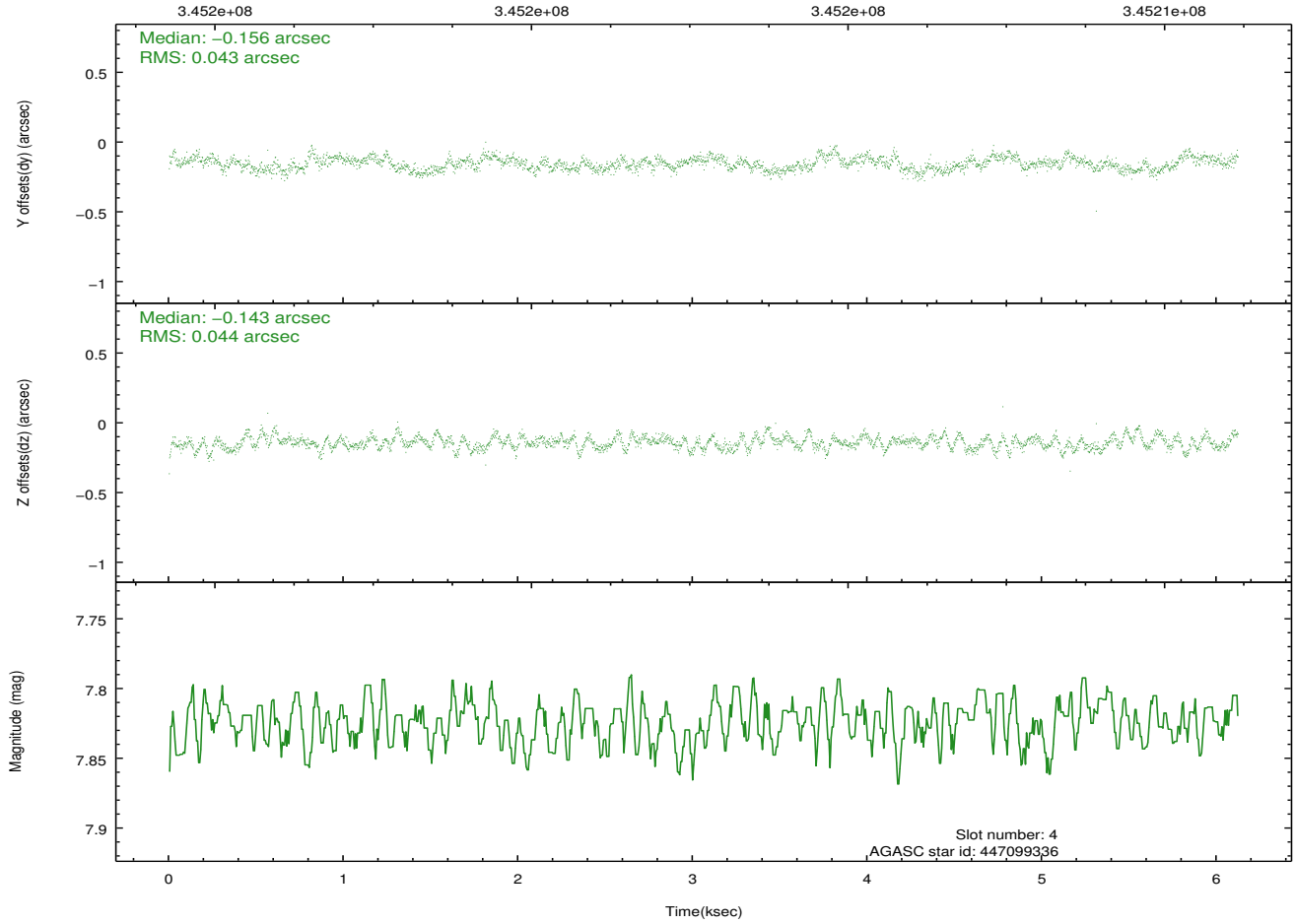
2.4.1 Slot 3



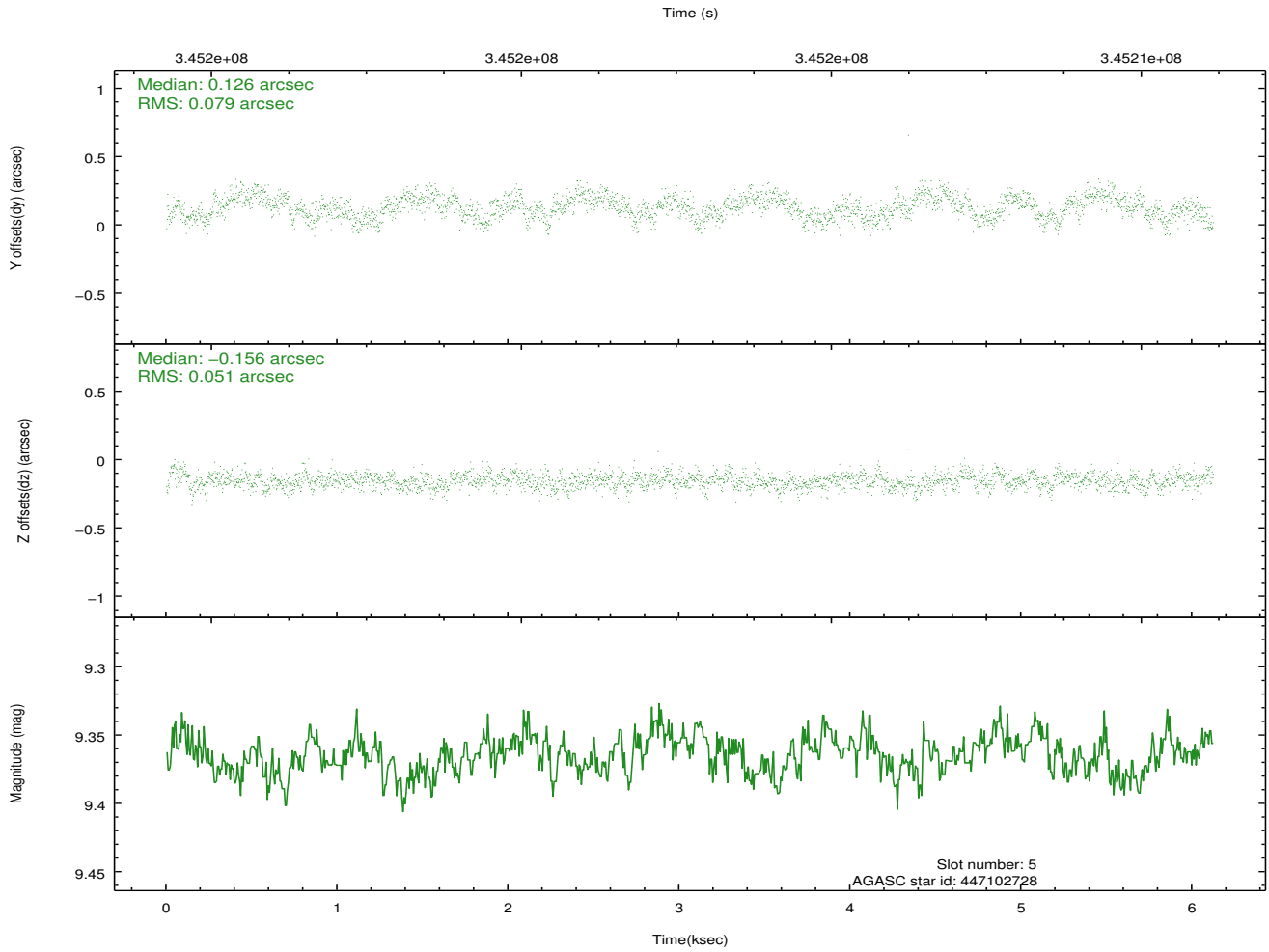
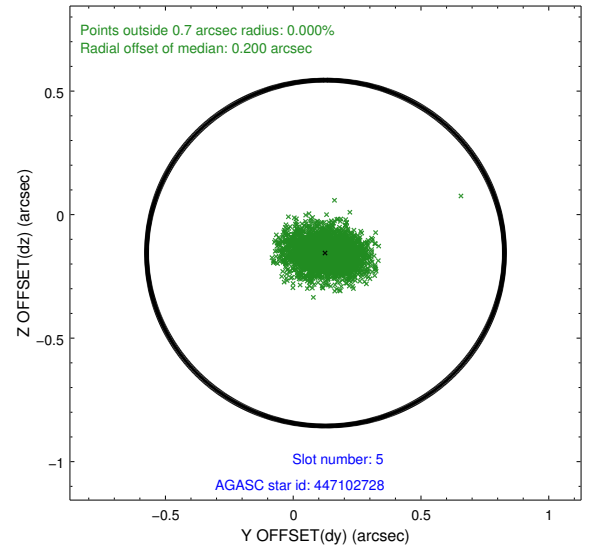
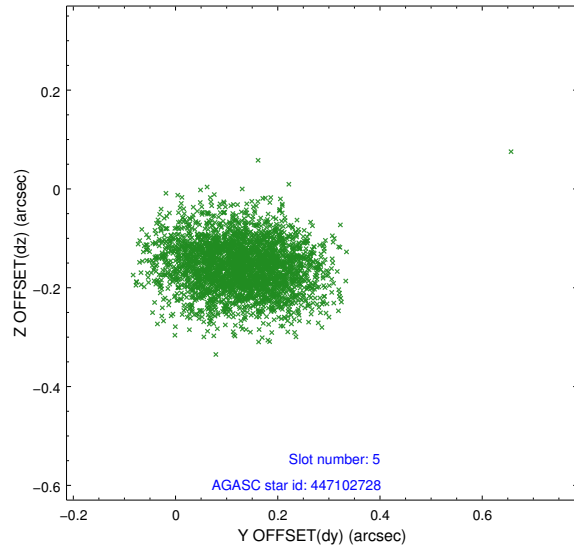
2.4.2 Slot 4



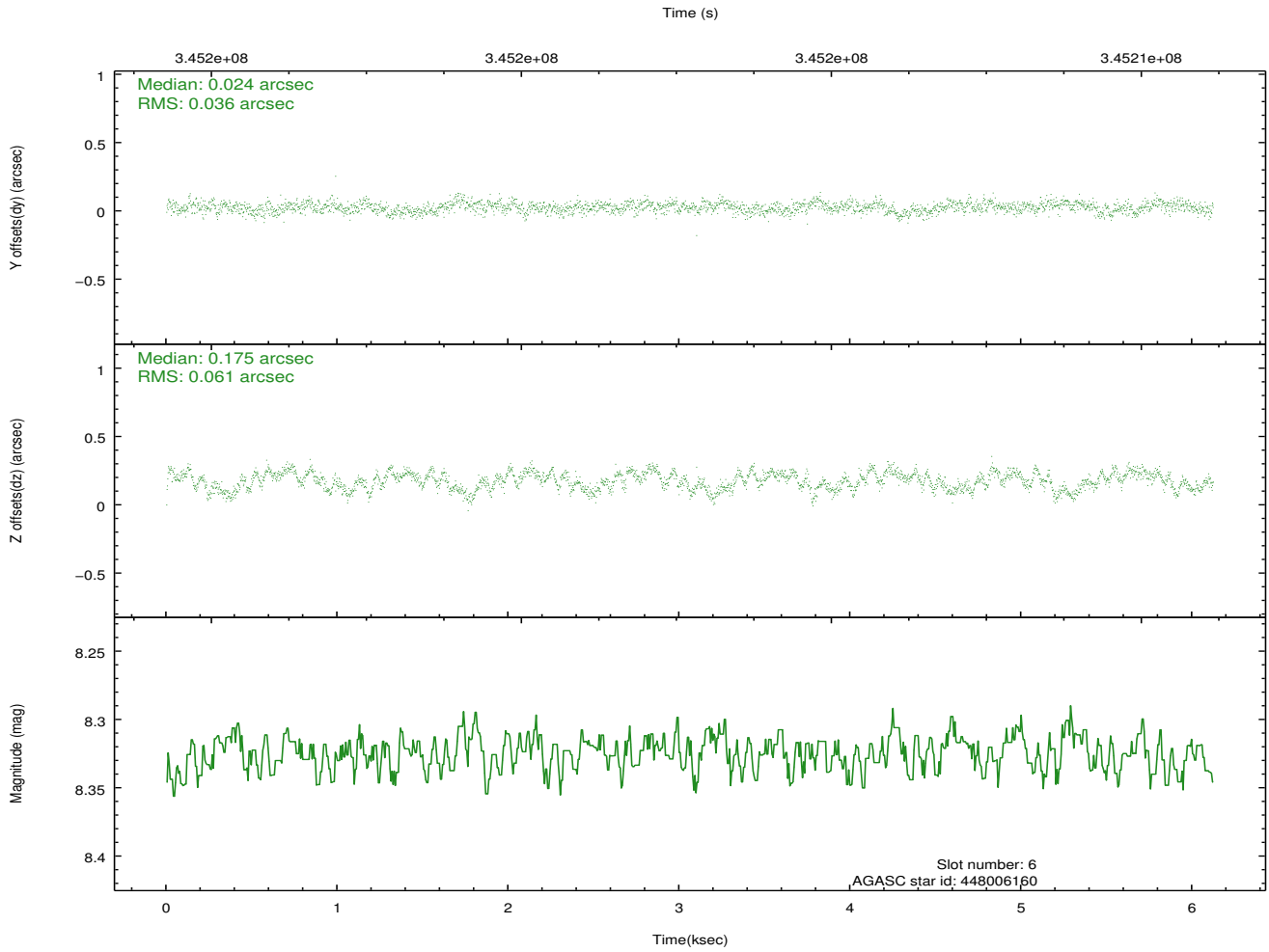
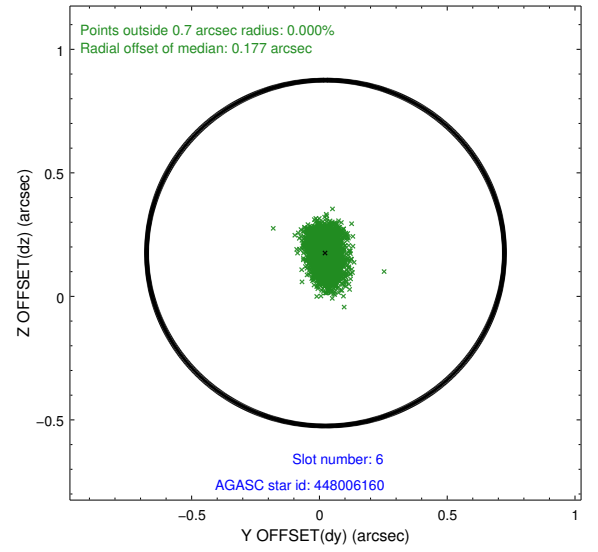
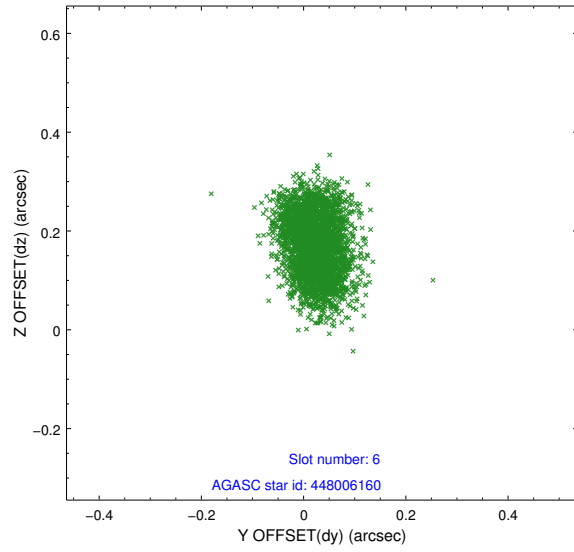
Time (s)



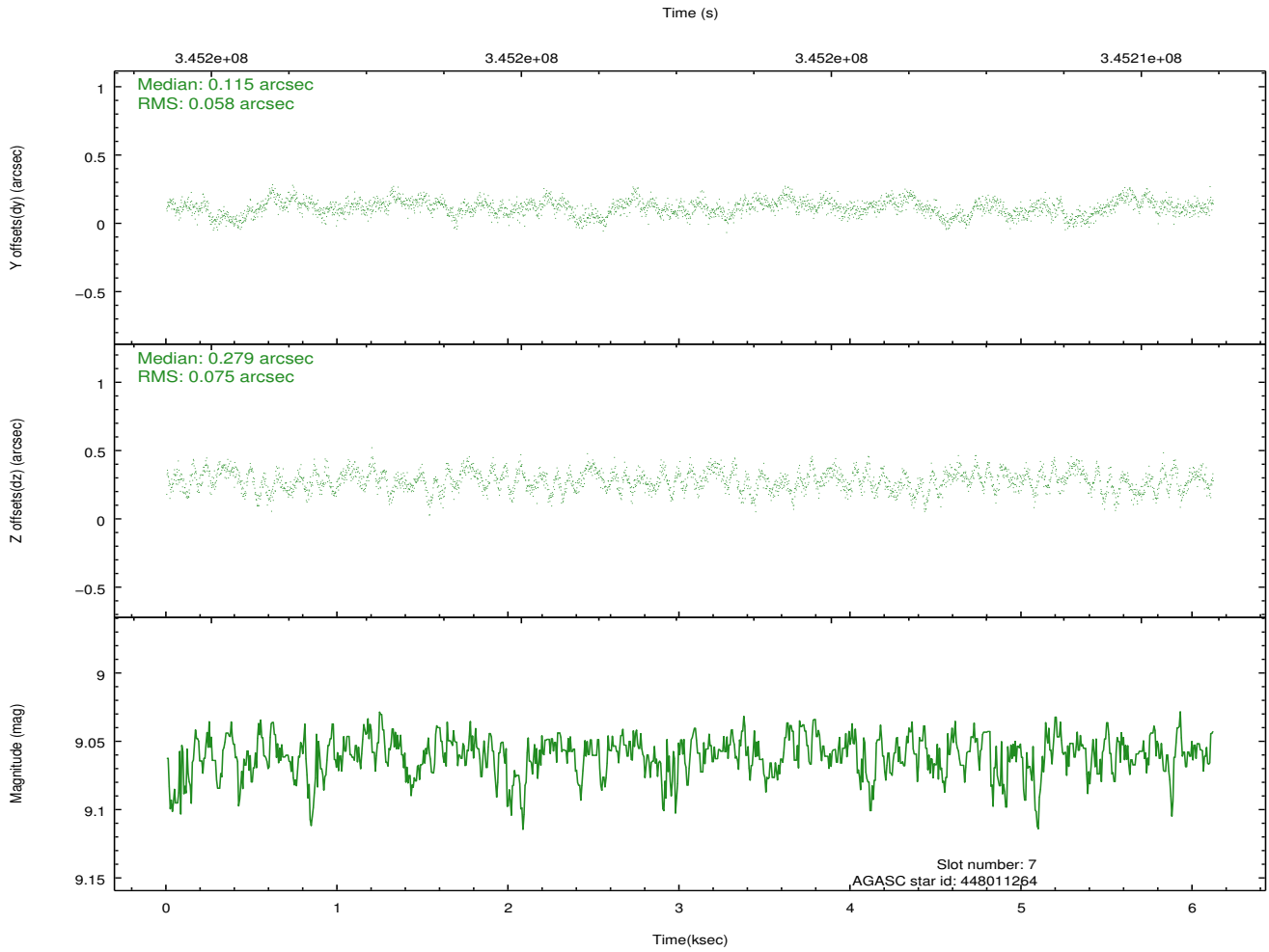
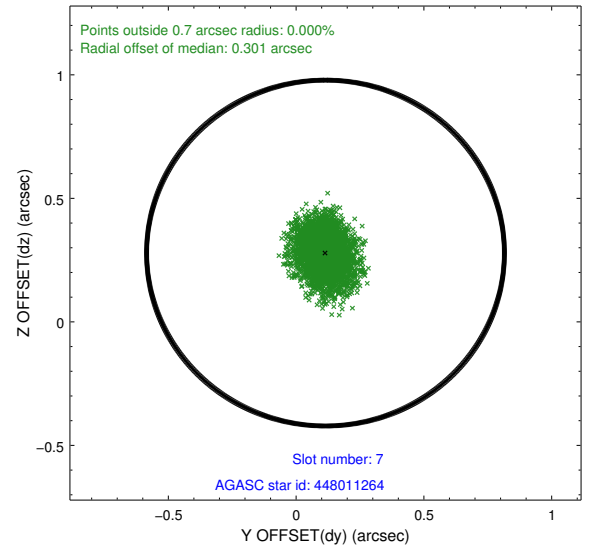
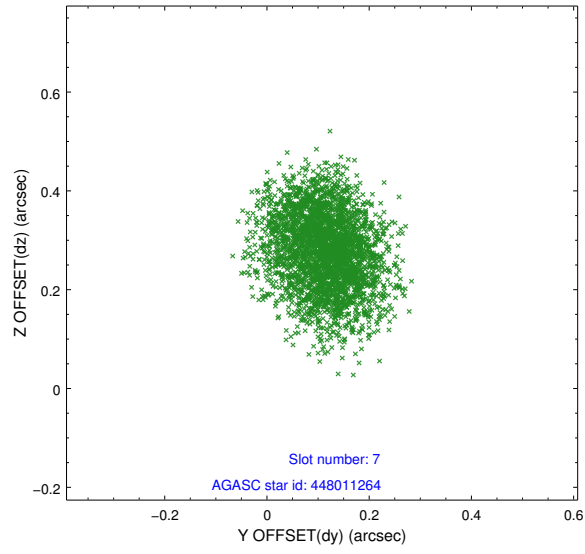
2.4.3 Slot 5



2.4.4 Slot 6

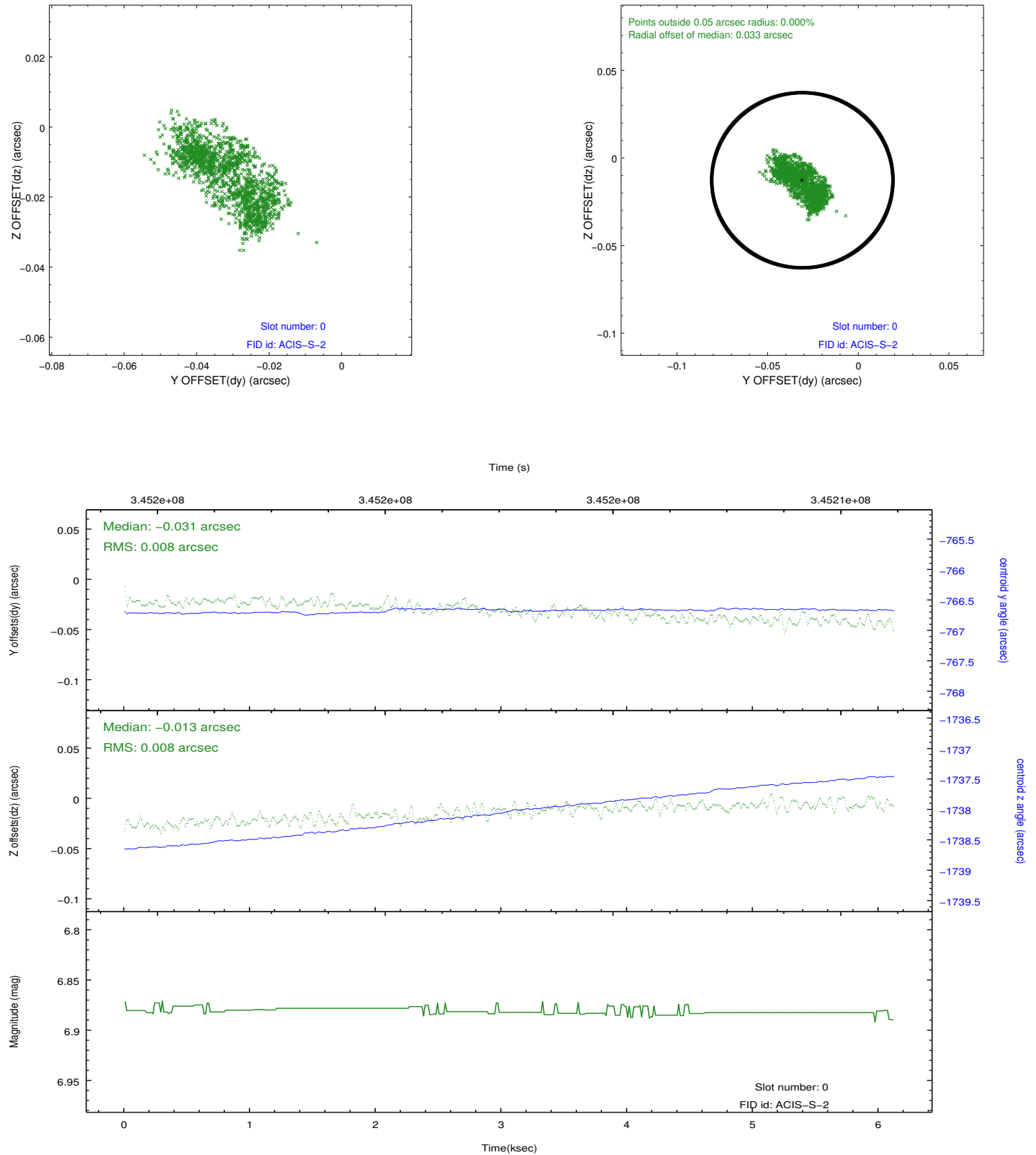


2.4.5 Slot 7

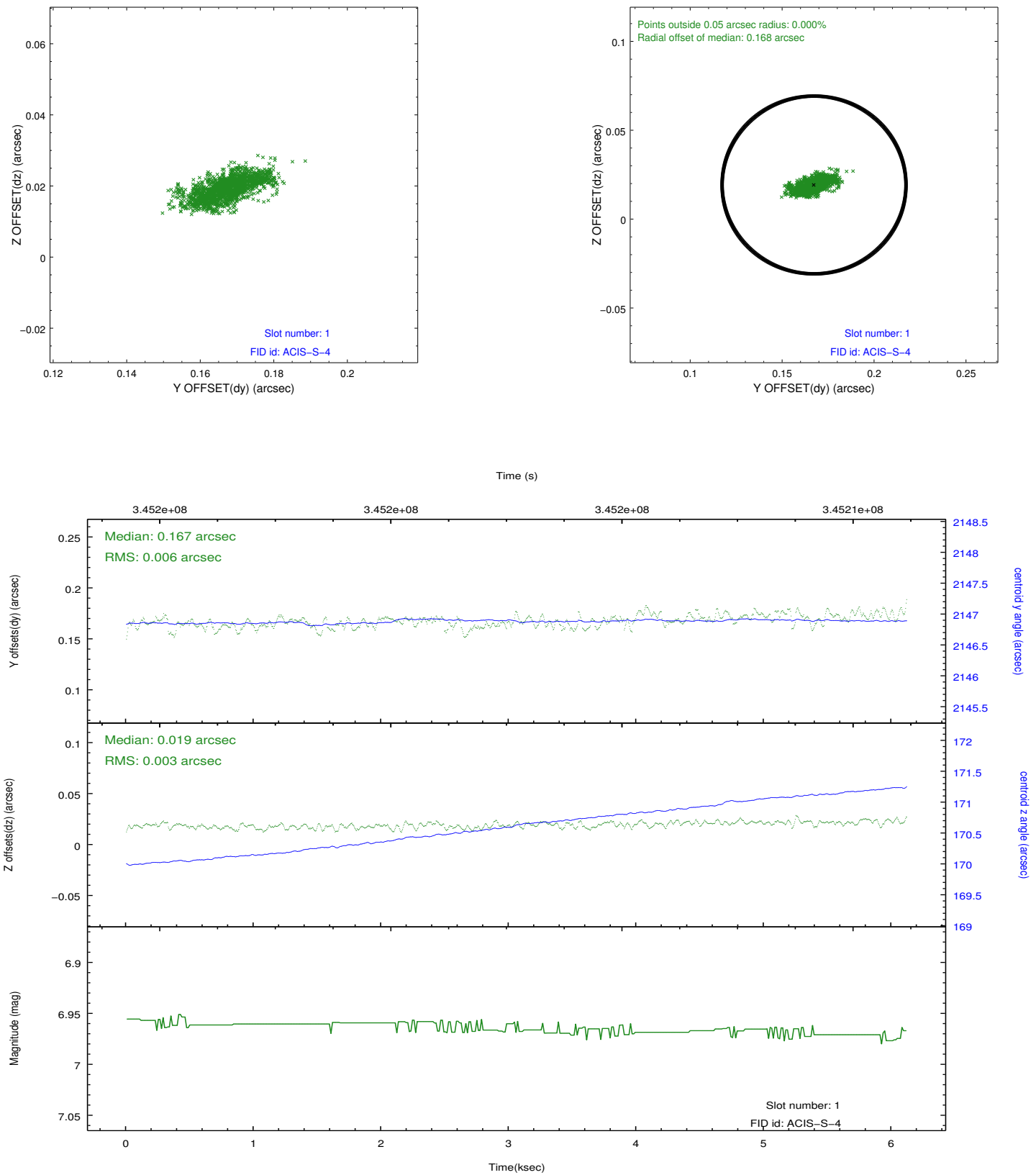


2.5 FID Slots

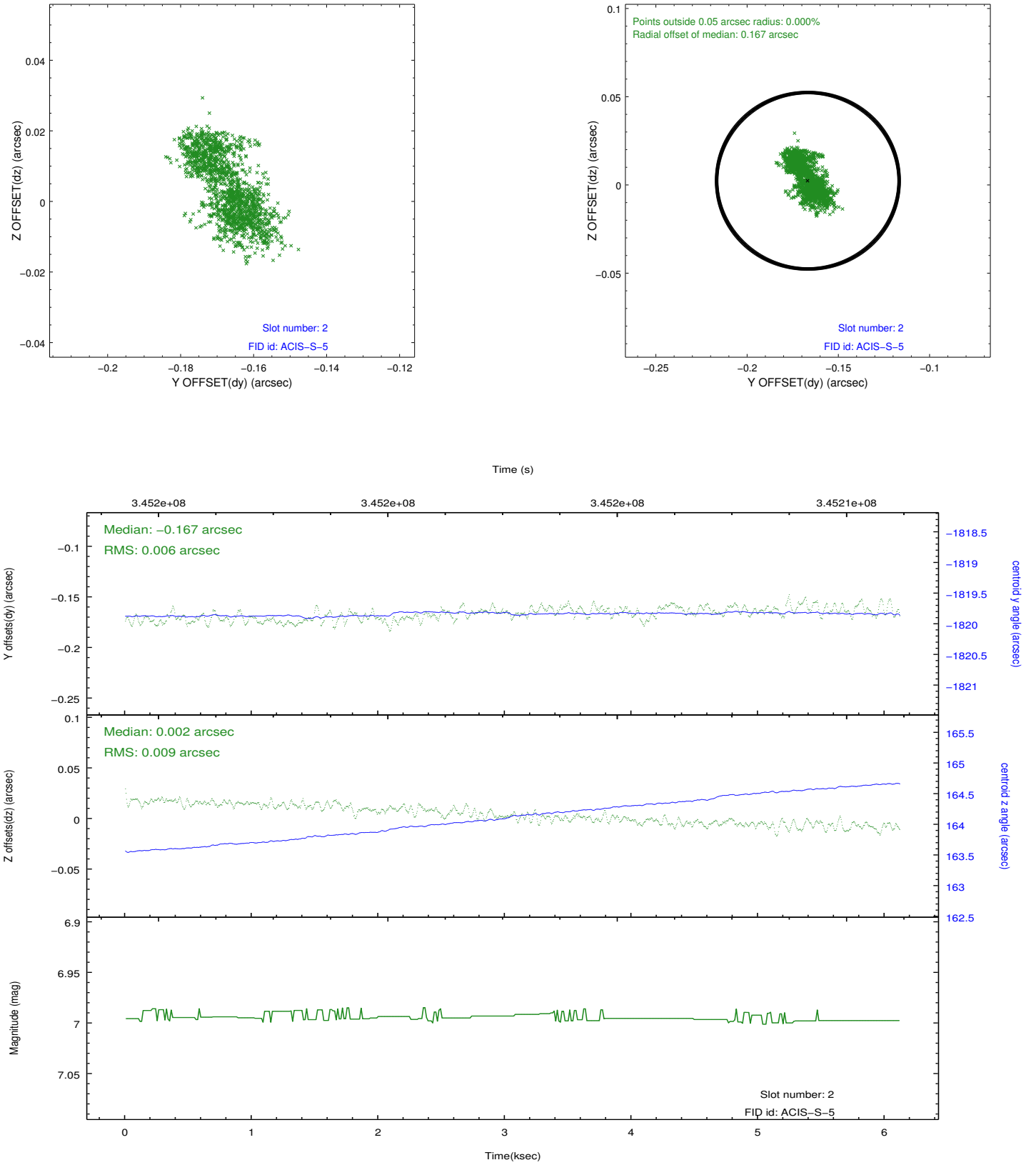
2.5.1 Slot 0



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	6.11320004

A.2 Comments