

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 135 - L2 Version 4
Chandra X-Ray Center

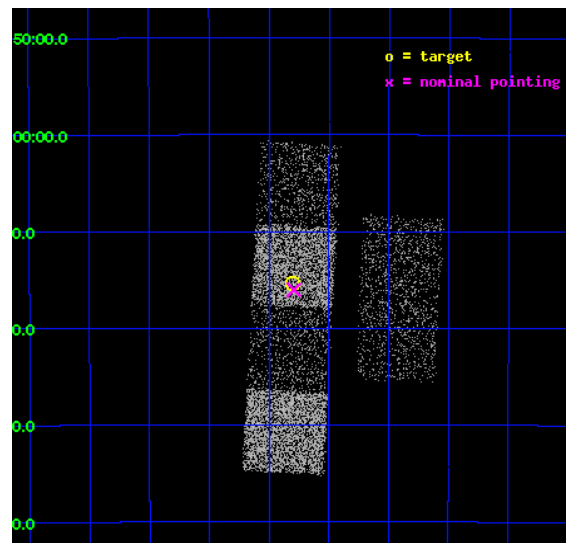
L2 Processing Date : Aug 22 2012

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1 Front

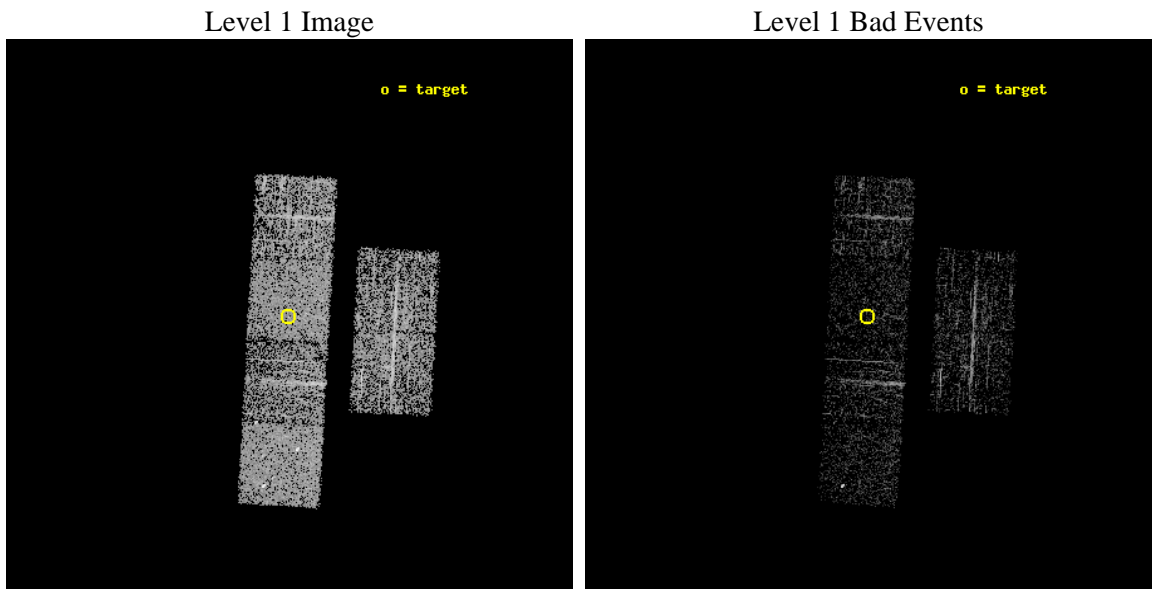
seq_num	700120	Sequence number
obs_id	135	Observation id
title	LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QSOS: AN AXAF SURVEY	
observer	Dr. Paul Green	Principal investigator
object	Q0254-334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	44.19938	Observer's specified target RA [deg]
dec_targ	-33.2568	Observer's specified target Dec [deg]
ra_nom	44.198106787211	Nominal RA [deg]
dec_nom	-33.26702349938	Nominal Dec [deg]
roll_nom	273.13424513104	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1048.1125935018	Sum of GTIs [s]
livetime	1034.8407607453	Livetime [s]
ontime2	1048.1536335051	Sum of GTIs [s]
ontime3	1047.9894735068	Sum of GTIs [s]
ontime5	1048.071553506	Sum of GTIs [s]
ontime6	1048.0305135027	Sum of GTIs [s]
ontime7	1048.1125935018	Sum of GTIs [s]
ontime8	1047.9484335035	Sum of GTIs [s]
l2events	11256	Number of level 2 events



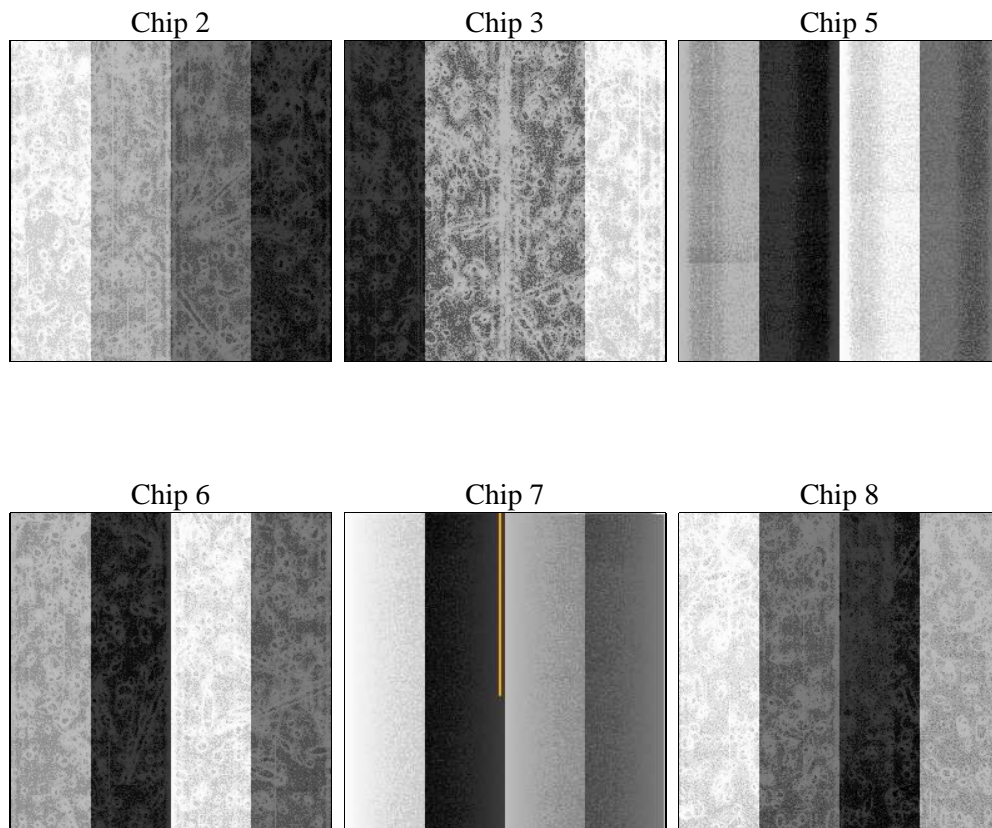
2 OBI

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	1048.1125935018	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1048.1536335051	Sum of GTIs [s]
date	2012-08-22T19:06:33	Date and time of file creation	ontime3	1047.9894735068	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1048.071553506	Sum of GTIs [s]
			ontime6	1048.0305135027	Sum of GTIs [s]
			ontime7	1048.1125935018	Sum of GTIs [s]
			ontime8	1047.9484335035	Sum of GTIs [s]
			l1events	54144	Number of level 1 events

2.1.4 Events

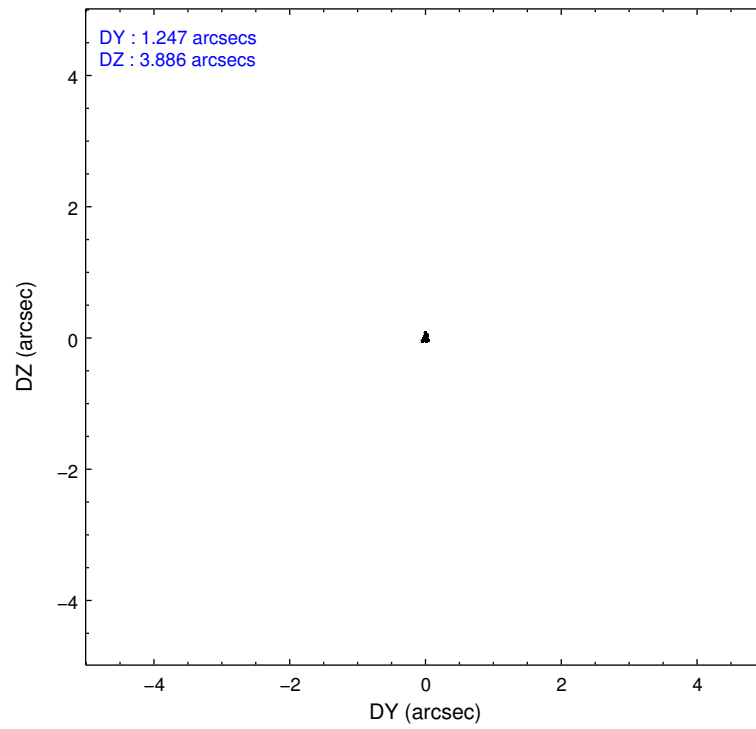
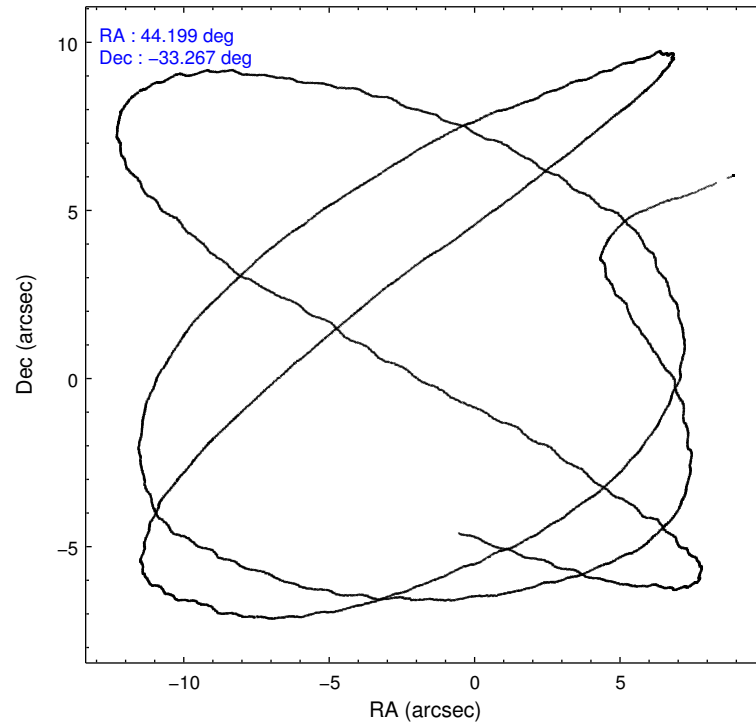
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	8477	7808	10942	7813	9371	9733
rejected events	7663	6991	5814	6929	5403	7952
rejected %	90%	89%	53%	88%	57%	81%

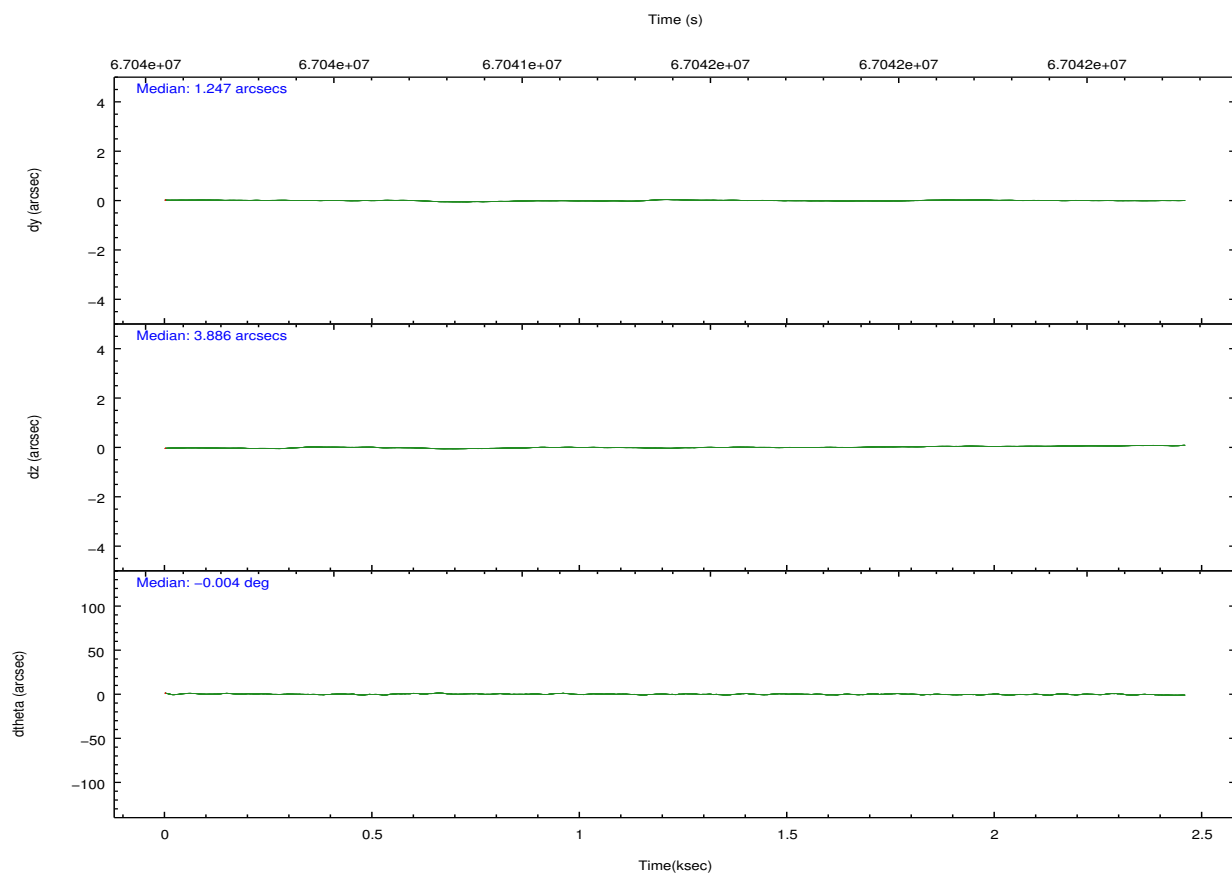
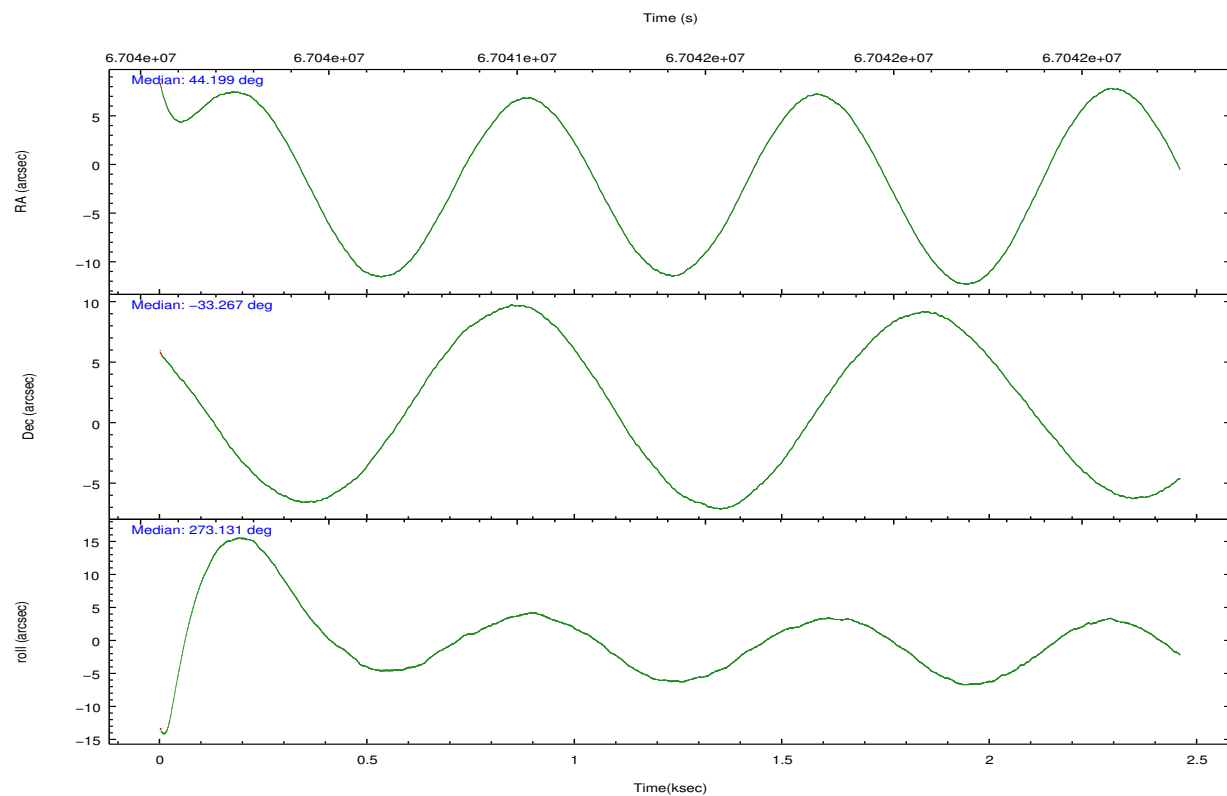
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	359	380	875	358	434	567
	4%	4%	7%	4%	4%	5%
grade 1 events	0	2	38	2	10	7
	0%	0%	0%	0%	0%	0%
grade 2 events	183	162	1399	182	813	388
	2%	2%	12%	2%	8%	3%
grade 3 events	71	86	254	84	386	164
	0%	1%	2%	1%	4%	1%
grade 4 events	78	78	206	91	354	179
	0%	0%	1%	1%	3%	1%
grade 5 events	239	268	1017	279	987	392
	2%	3%	9%	3%	10%	4%
grade 6 events	125	121	2422	175	2005	490
	1%	1%	22%	2%	21%	5%
grade 7 events	7422	6711	4731	6642	4382	7546
	87%	85%	43%	85%	46%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	44.179820	44.19810678721053	Subarray requested	NONE	NONE
[deg] Pointing Dec	-33.243800	-33.26702349938009	Alternating exposures requested	N	N
[deg] Pointing Roll	272.967715	273.1342451310351	[s] Primary exposure time	0.000000	3.2
[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)	67040637.184000	67039398.41714			
Observation start date	2000-02-15T22:22:53	2000-02-15T22:03:18			
[s] Observation end time (MET)	67042637.184000	67043431.792287			
Observation end date	2000-02-15T22:56:13	2000-02-15T23:10:31			
Read mode	TIMED	TIMED			

2.3 Aspect



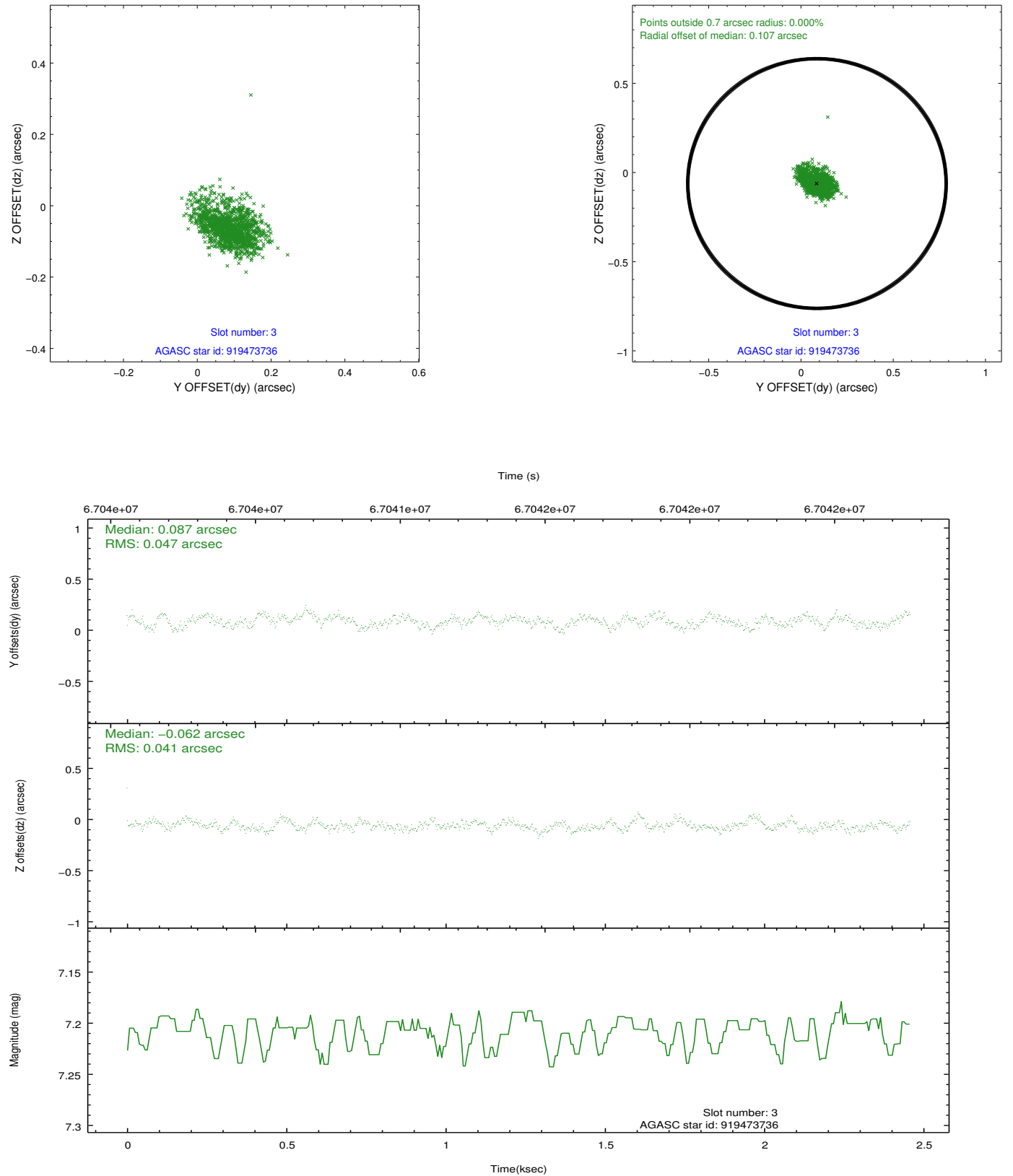


Slot Statistics

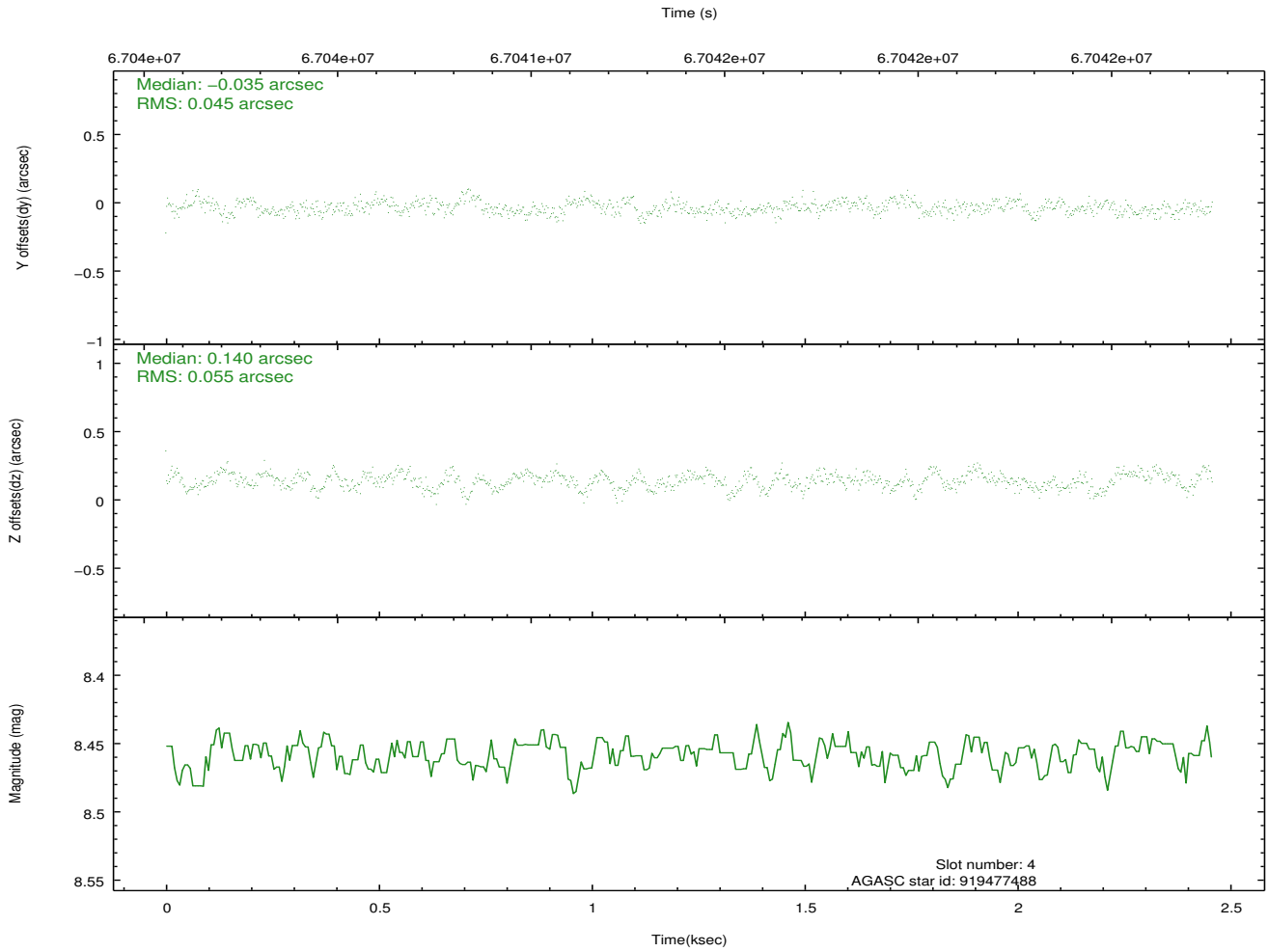
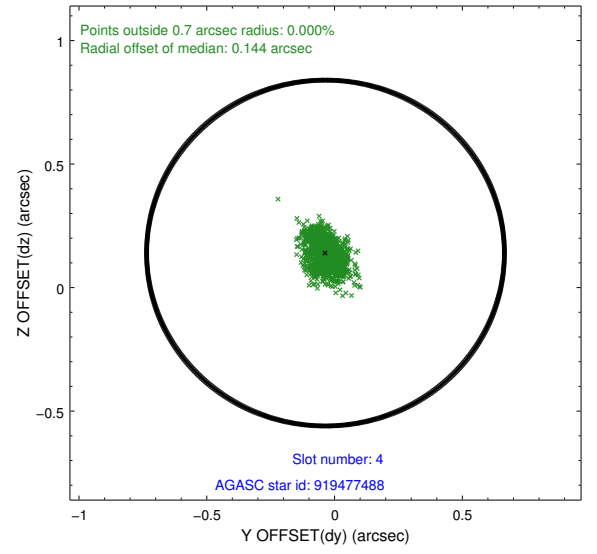
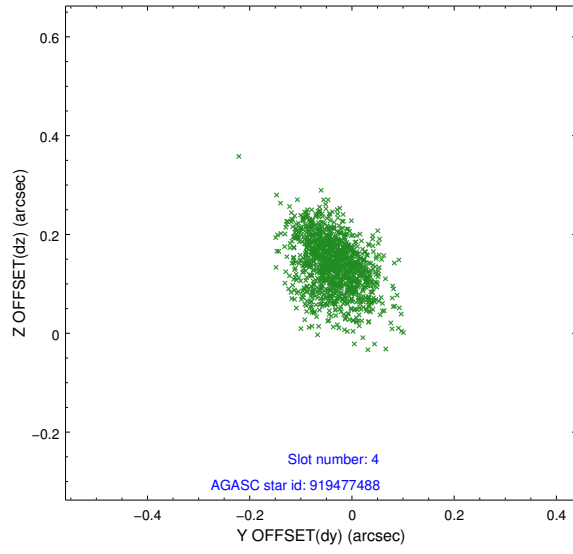
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	600	0.013	0.001	0.006	0.010	0.000000	0.000000	942.16	-1720.62
1	FID	ACIS-S-5	7.24	599	-0.018	0.023	0.007	0.011	0.000000	0.000000	-1805.33	174.32
2	FID	ACIS-S-6	7.36	599	-0.017	-0.013	0.007	0.011	0.000000	0.000000	404.91	821.17
3	GUIDE	919473736	7.21	1199	0.087	-0.062	0.066	0.108	43.706476	-33.524855	939.72	-1472.47
4	GUIDE	919477488	8.46	1199	-0.035	0.140	0.074	0.122	44.579878	-33.151190	-268.13	1218.96
5	GUIDE	919474000	9.48	1199	0.090	0.004	0.096	0.150	44.284231	-33.847665	2186.58	199.11
6	GUIDE	919470480	9.90	1200	-0.069	-0.110	0.110	0.182	43.447054	-32.867268	-1459.44	-2144.26
7	GUIDE	919470096	9.97	1199	-0.071	0.027	0.094	0.163	44.040392	-32.664133	-2107.45	-317.11

2.4 Star Slots

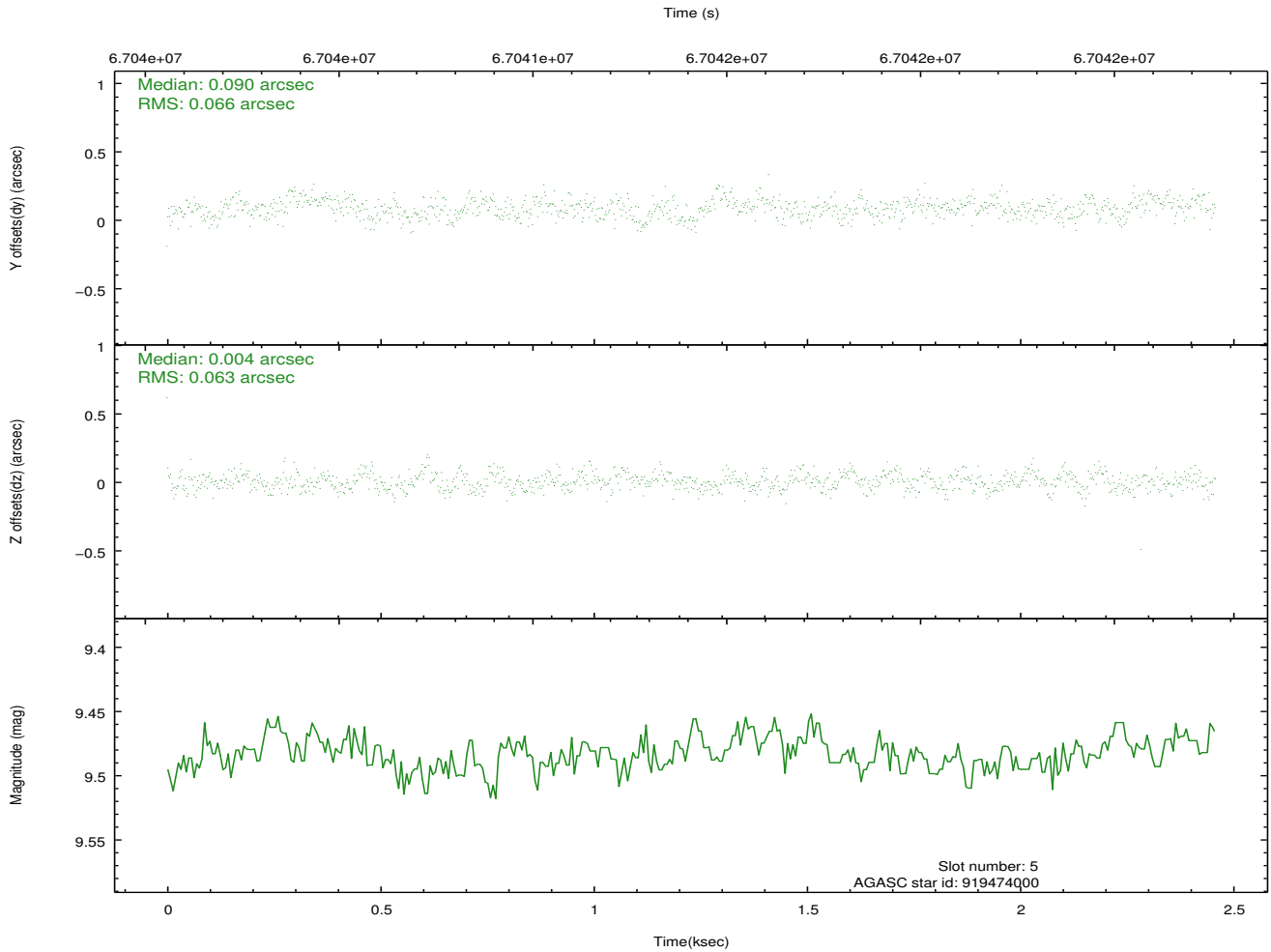
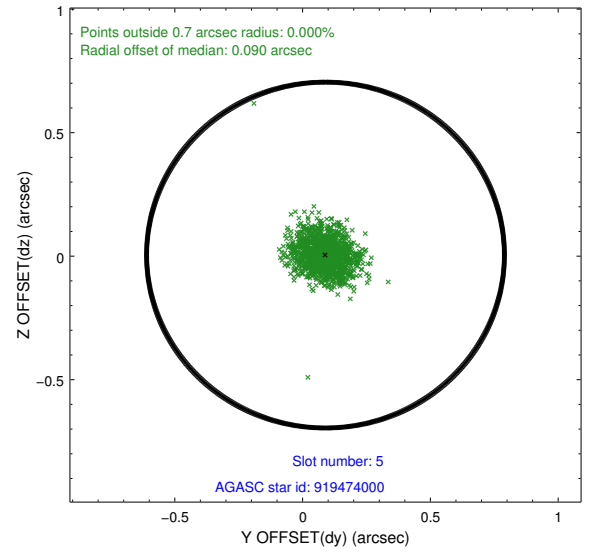
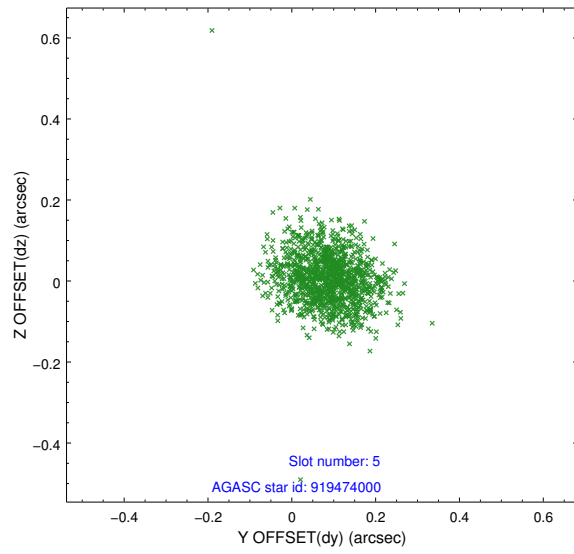
2.4.1 Slot 3



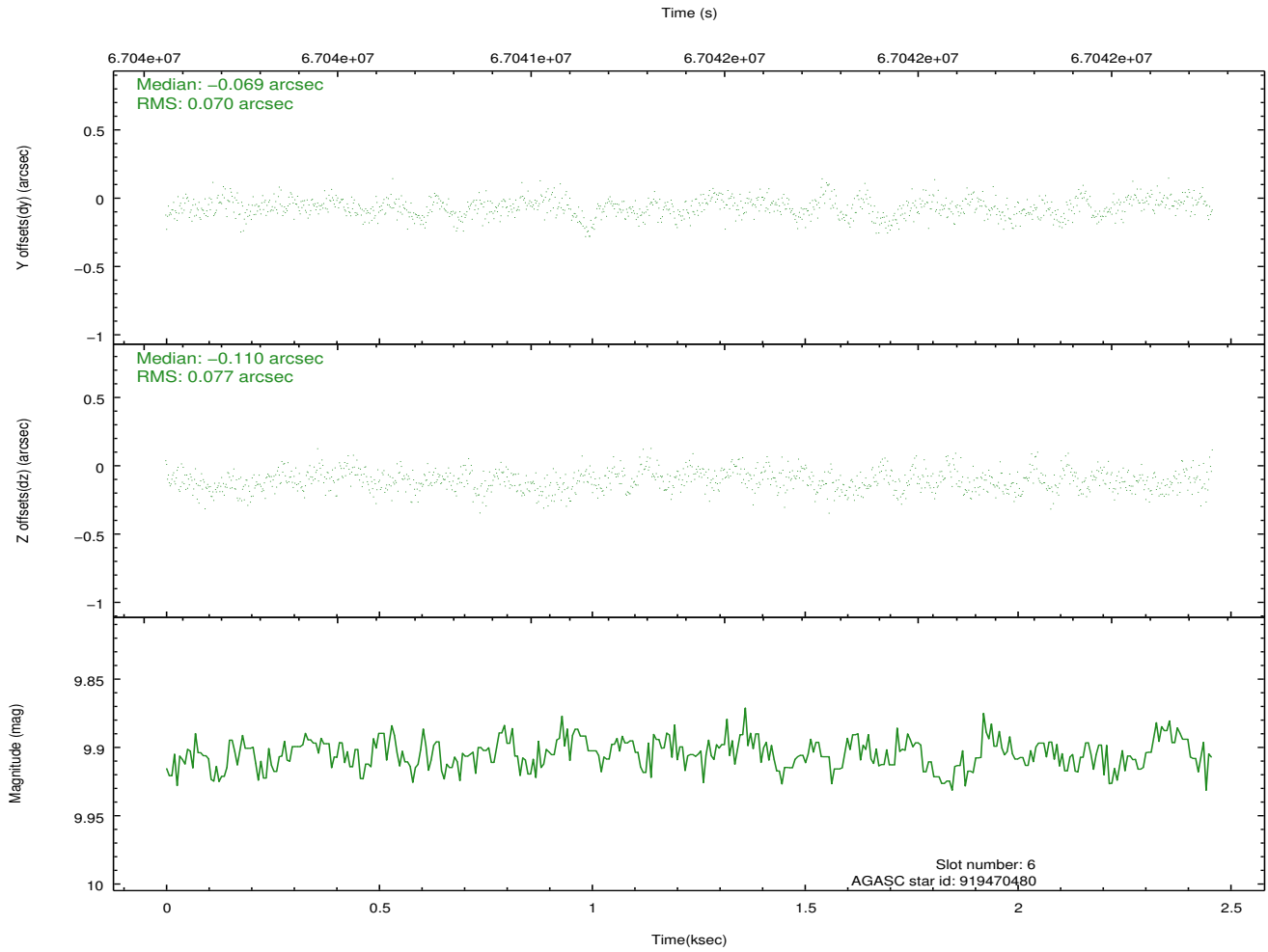
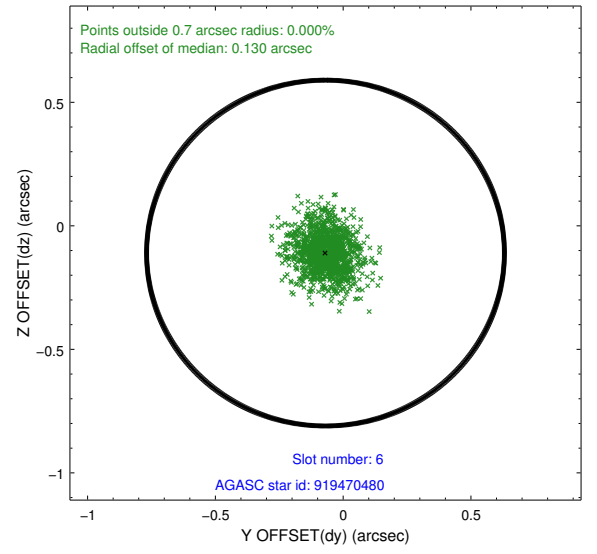
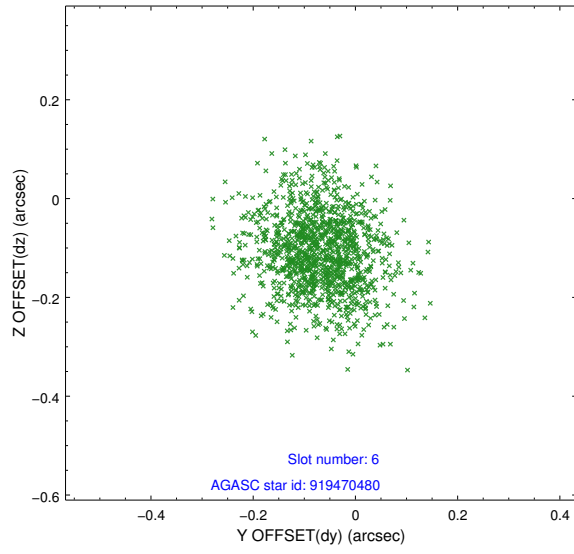
2.4.2 Slot 4



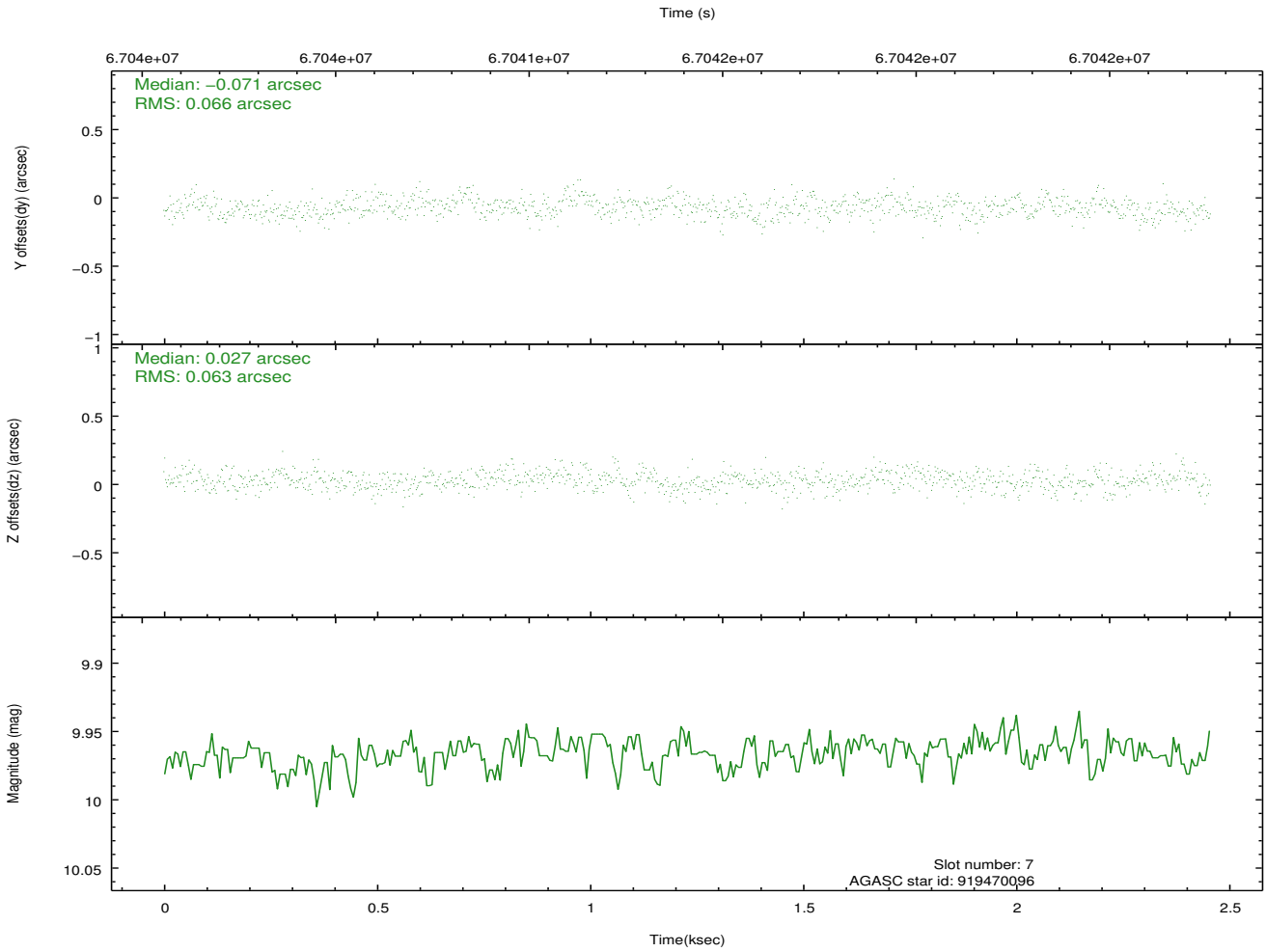
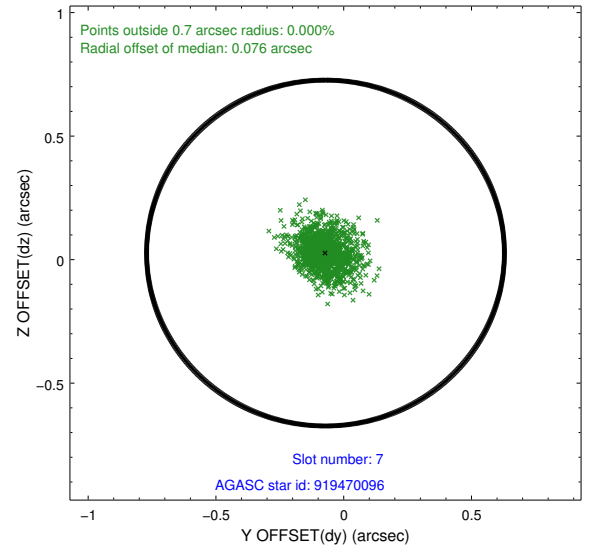
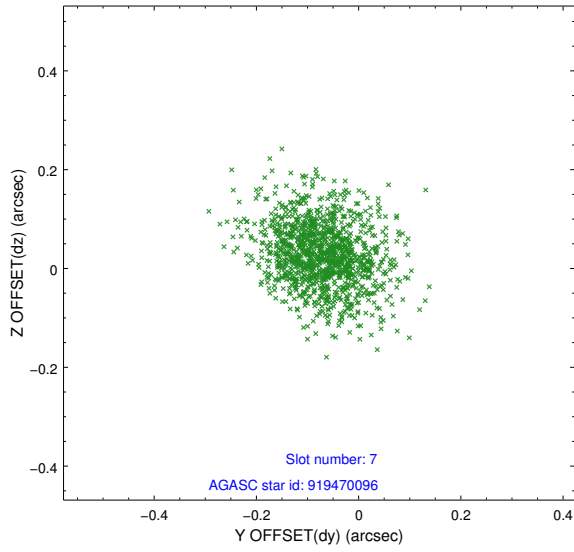
2.4.3 Slot 5



2.4.4 Slot 6

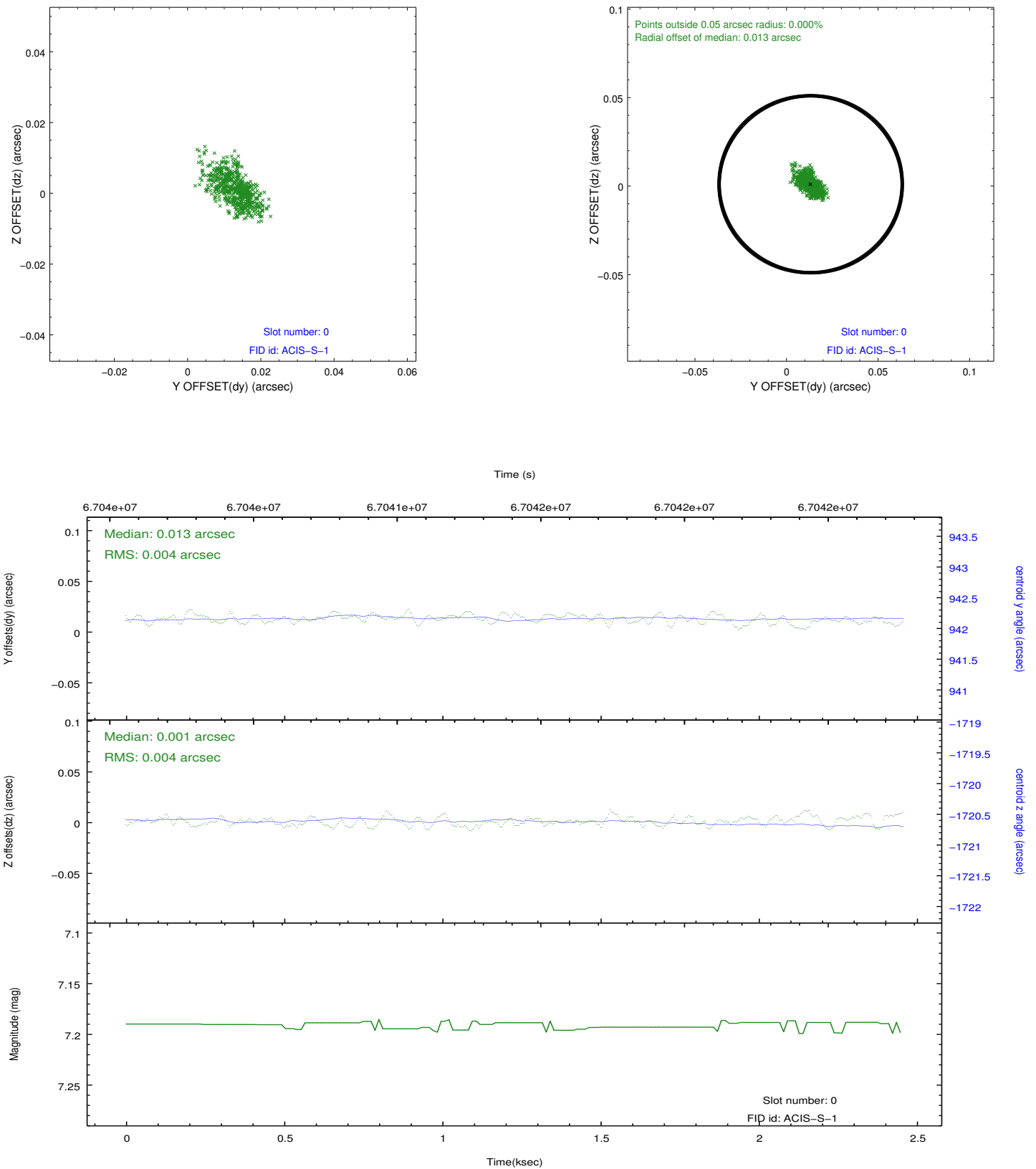


2.4.5 Slot 7

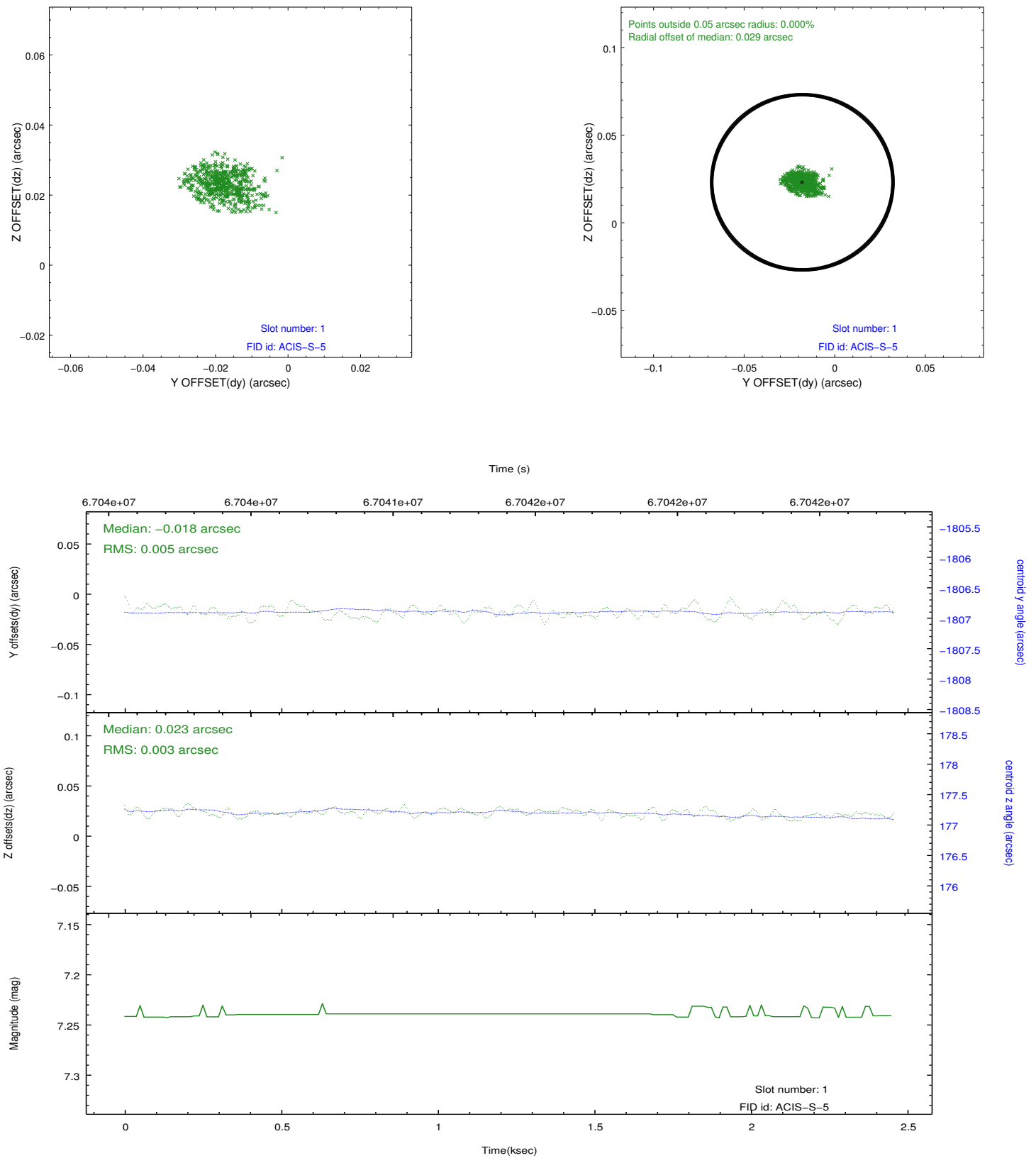


2.5 FID Slots

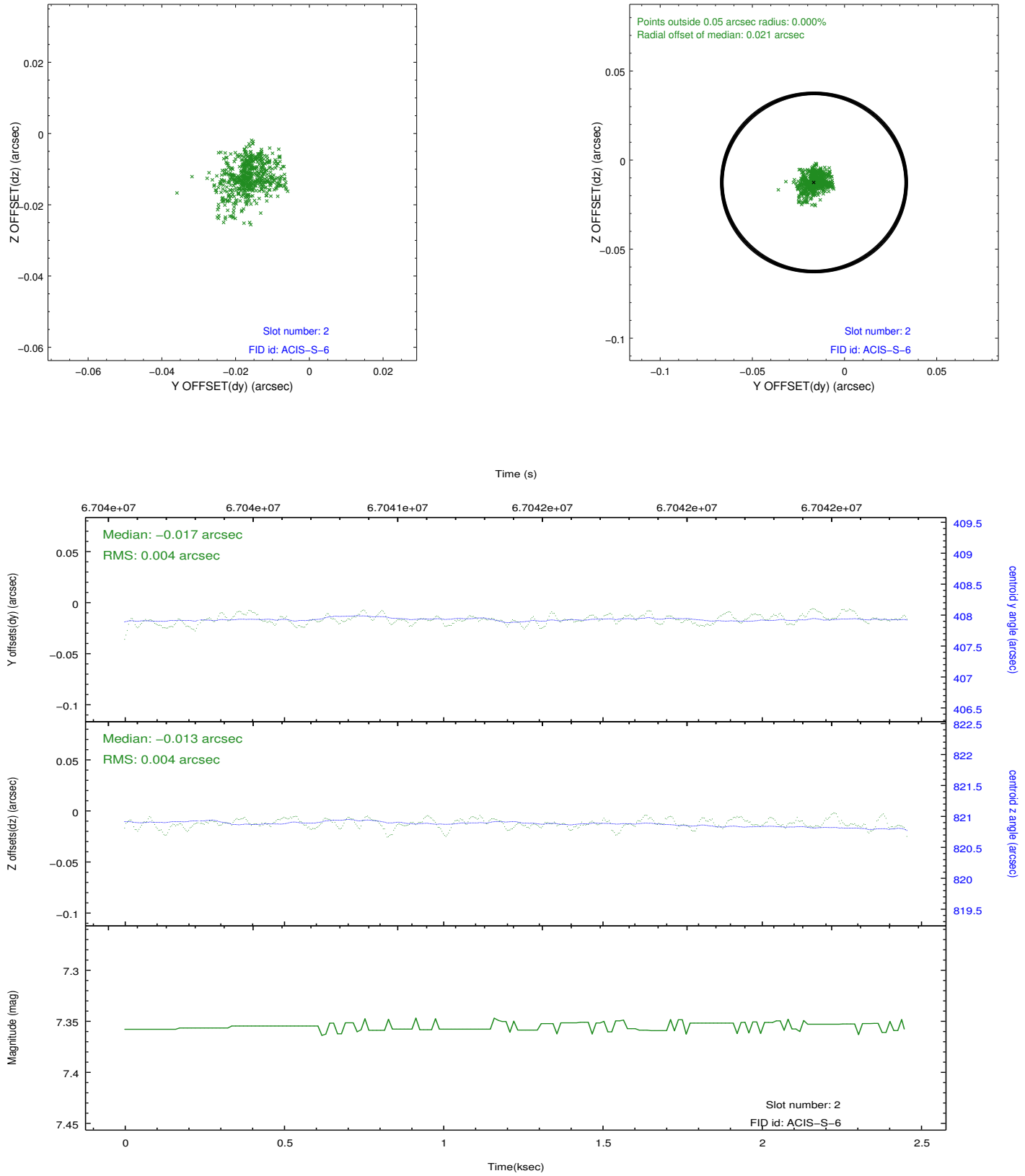
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.049

A.2 Comments