

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3071 - L2 Version 3
Chandra X-Ray Center

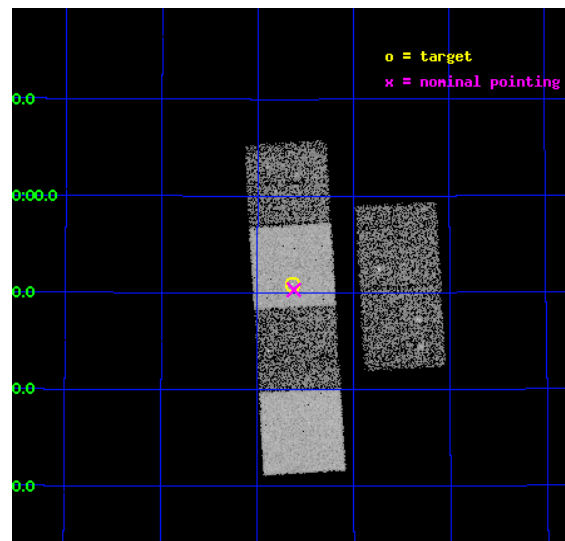
L2 Processing Date : Oct 11 2012

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1 Front

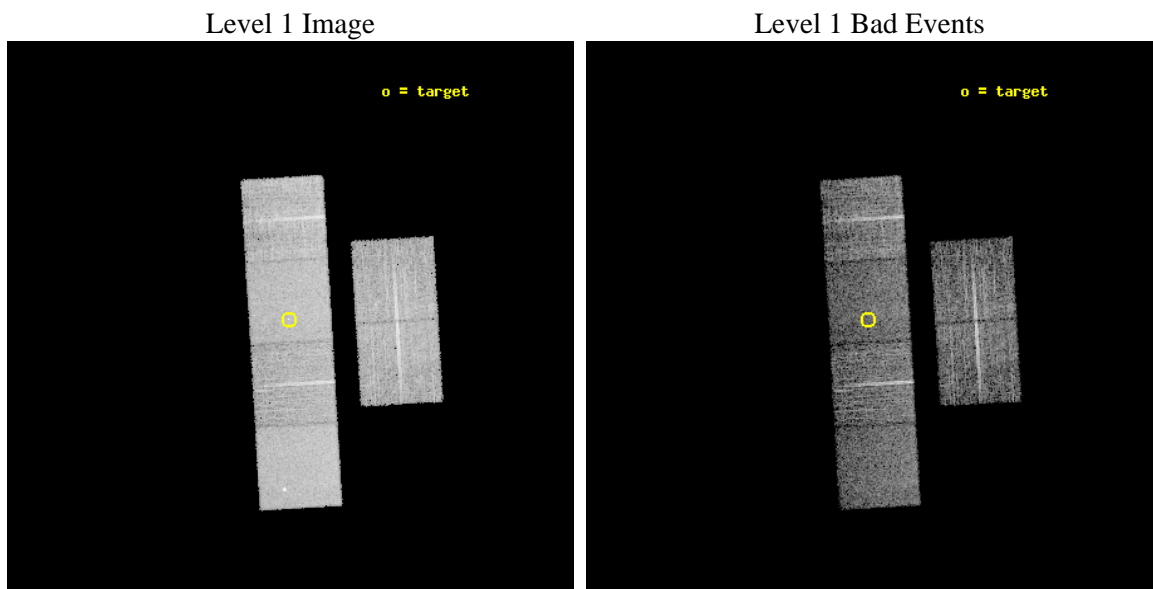
seq_num	700510	Sequence number
obs_id	3071	Observation id
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?	Proposal title
observer	Dr Guido Risaliti	Principal investigator
object	HS 1229+4807	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.90875	Observer's specified target RA [deg]
dec_targ	47.848056	Observer's specified target Dec [deg]
ra_nom	187.90540883583	Nominal RA [deg]
dec_nom	47.838687708125	Nominal Dec [deg]
roll_nom	266.6001140213	Nominal Roll [deg]
revision	3	Processing version of data
ontime	6755.050703615	Sum of GTIs [s]
livetime	6669.5141842026	Livetime [s]
ontime2	6755.0917436182	Sum of GTIs [s]
ontime3	6754.9275836051	Sum of GTIs [s]
ontime5	6755.0096636117	Sum of GTIs [s]
ontime6	6754.9686236084	Sum of GTIs [s]
ontime7	6755.050703615	Sum of GTIs [s]
ontime8	6751.6456032991	Sum of GTIs [s]
l2events	70848	Number of level 2 events



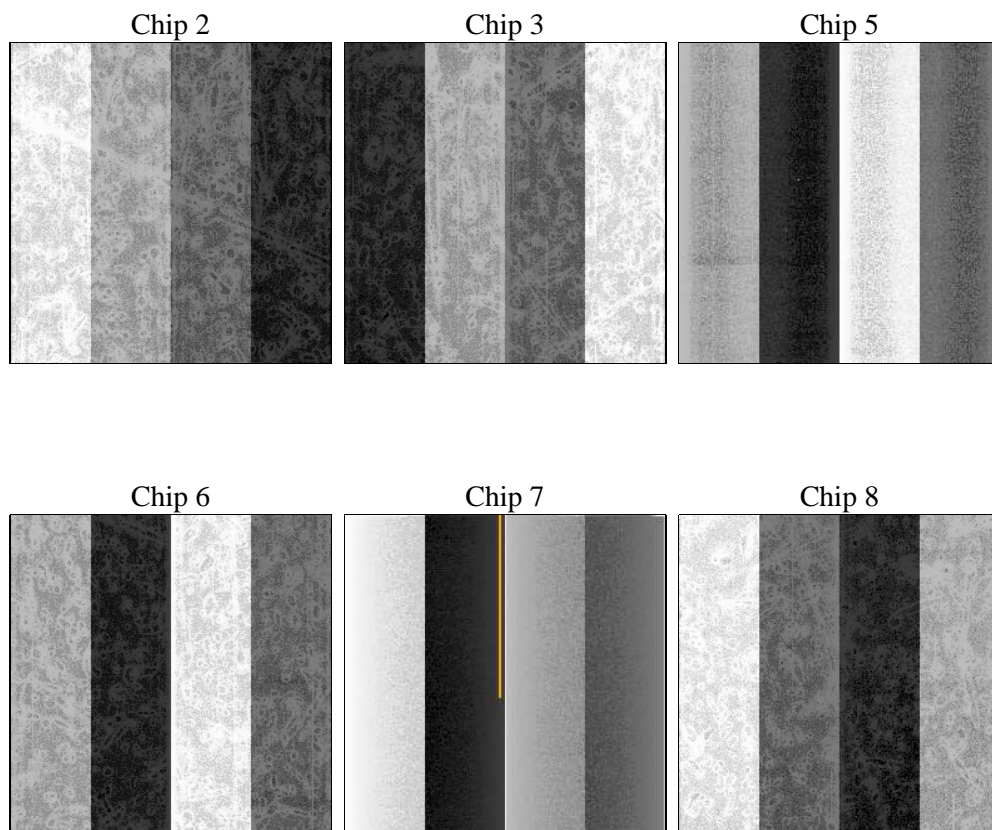
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6755.050703615	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	6755.0917436182	Sum of GTIs [s]
date	2012-10-11T12:55:39	Date and time of file creation	ontime3	6754.9275836051	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	6755.0096636117	Sum of GTIs [s]
			ontime6	6754.9686236084	Sum of GTIs [s]
			ontime7	6755.050703615	Sum of GTIs [s]
			ontime8	6751.6456032991	Sum of GTIs [s]
			l1events	322950	Number of level 1 events

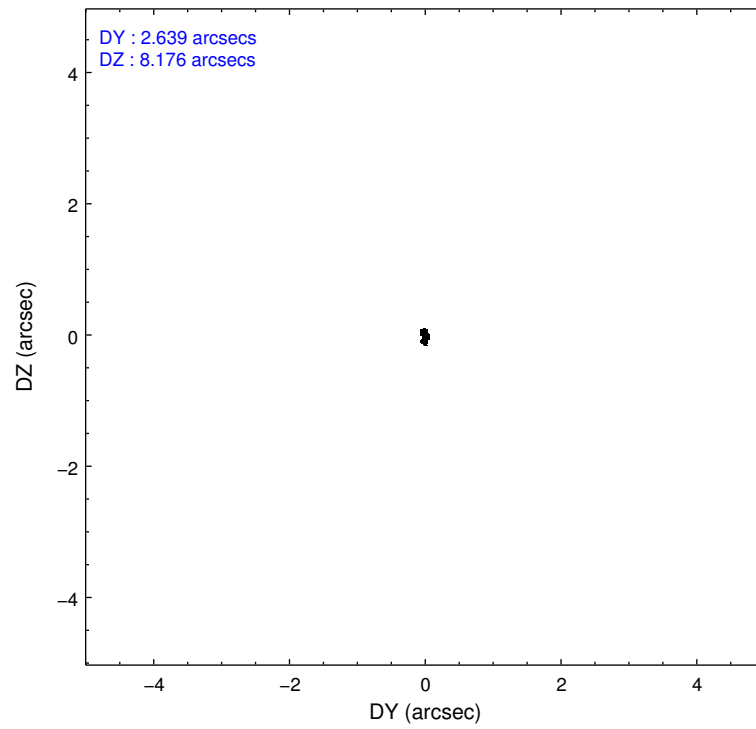
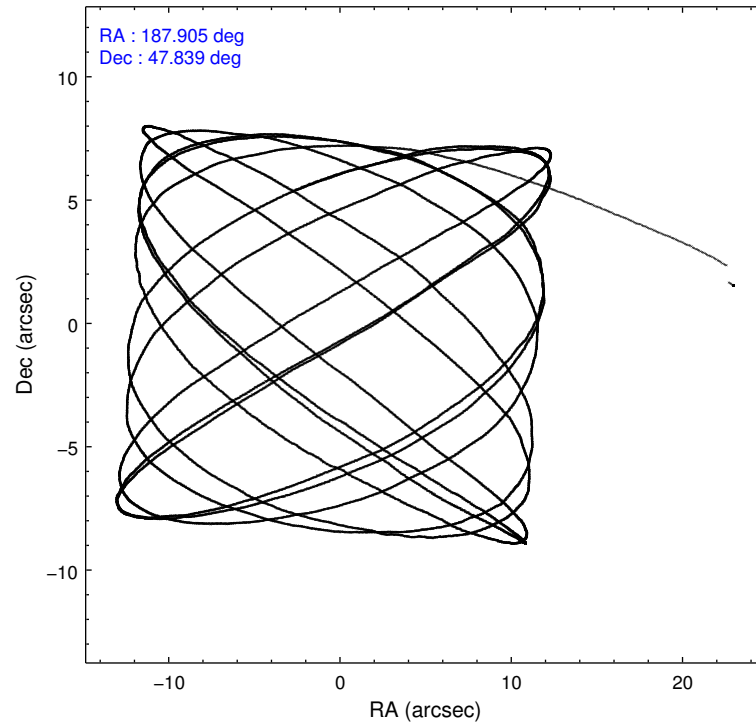
2.1.4 Events

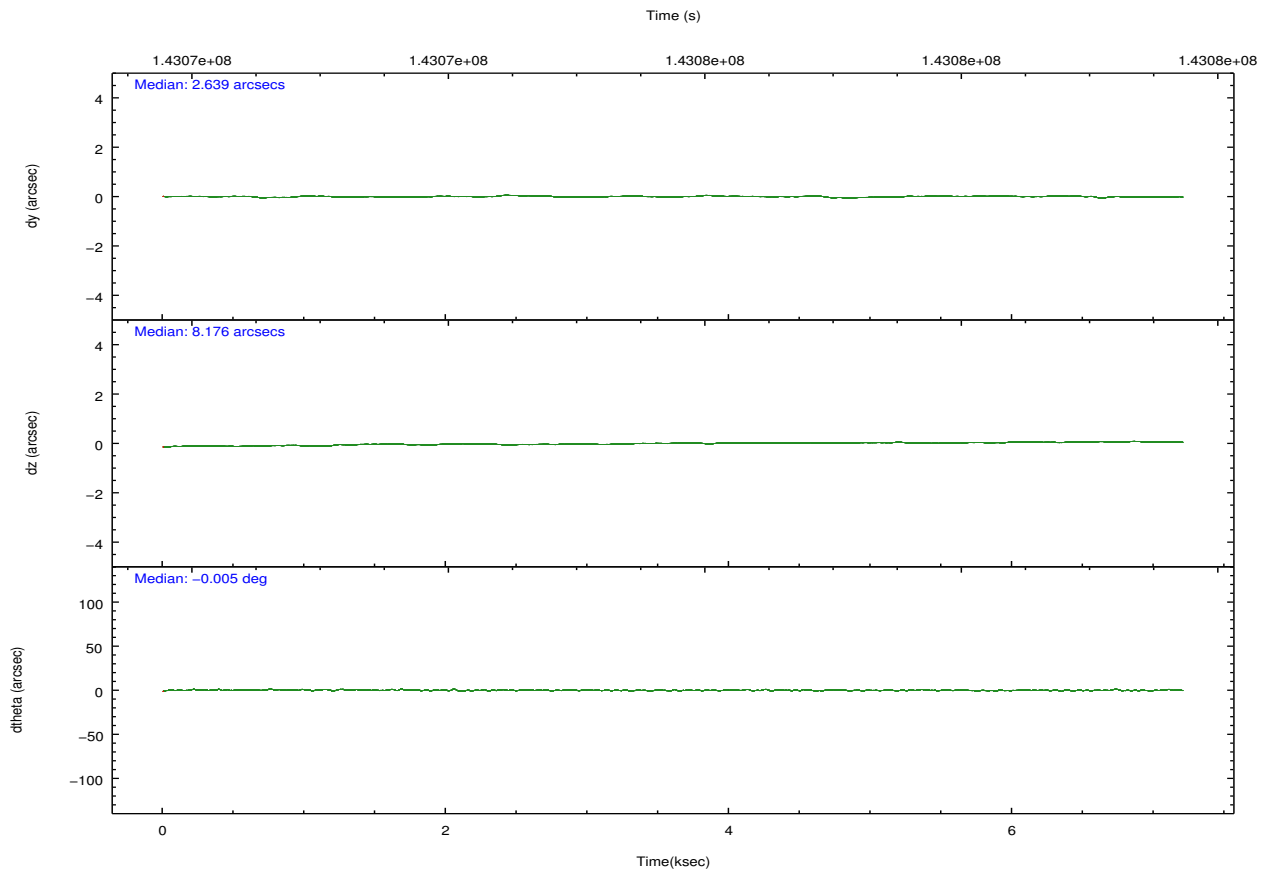
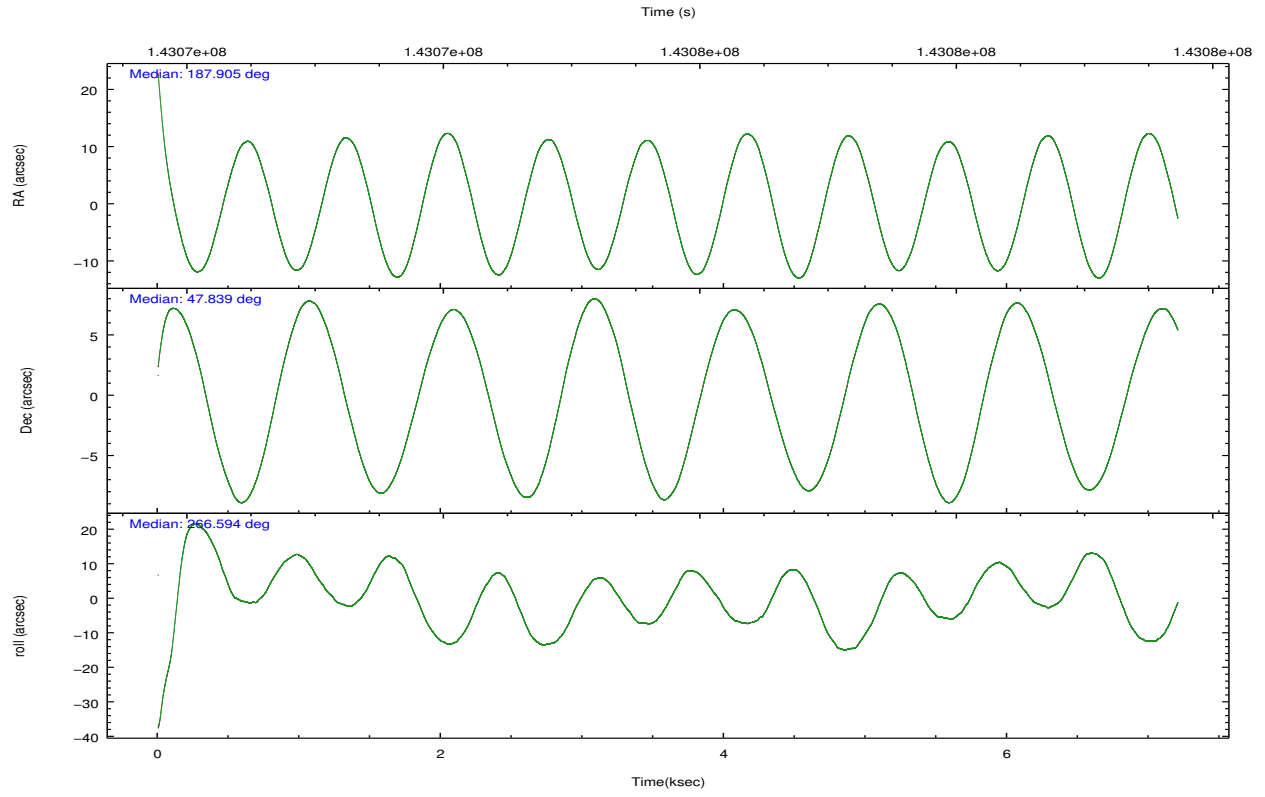
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46646	45647	63970	47121	59538	60028	grade 0 events	2316	2286	2211	2010	2470	3592
rejected events	41333	40475	35119	41893	34665	48666		4%	5%	3%	4%	4%	5%
rejected %	88%	88%	54%	88%	58%	81%	grade 1 events	15	28	95	28	55	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	1142	1000	8486	1069	4916	2440
								2%	2%	13%	2%	8%	4%
							grade 3 events	490	498	1436	537	2346	1115
								1%	1%	2%	1%	3%	1%
							grade 4 events	486	488	1179	536	2148	1131
								1%	1%	1%	1%	3%	1%
							grade 5 events	1570	1777	4782	1938	5748	2389
								3%	3%	7%	4%	9%	3%
							grade 6 events	882	902	15554	1079	13012	3093
								1%	1%	24%	2%	21%	5%
							grade 7 events	39745	38668	30227	39924	28843	46239
								85%	84%	47%	84%	48%	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	187.886723	187.9054088358285	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.862835	47.83868770812505	Alternating exposures requested	N	N
[deg] Pointing Roll	266.457355	266.600114021302	[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)	143072354.184000	143071606.44583			
Observation start date	2002-07-14T22:18:10	2002-07-14T22:06:46			
[s] Observation end time (MET)	143079354.184000	143079905.87117			
Observation end date	2002-07-15T00:14:50	2002-07-15T00:25:05			
Read mode	TIMED	TIMED			

2.3 Aspect



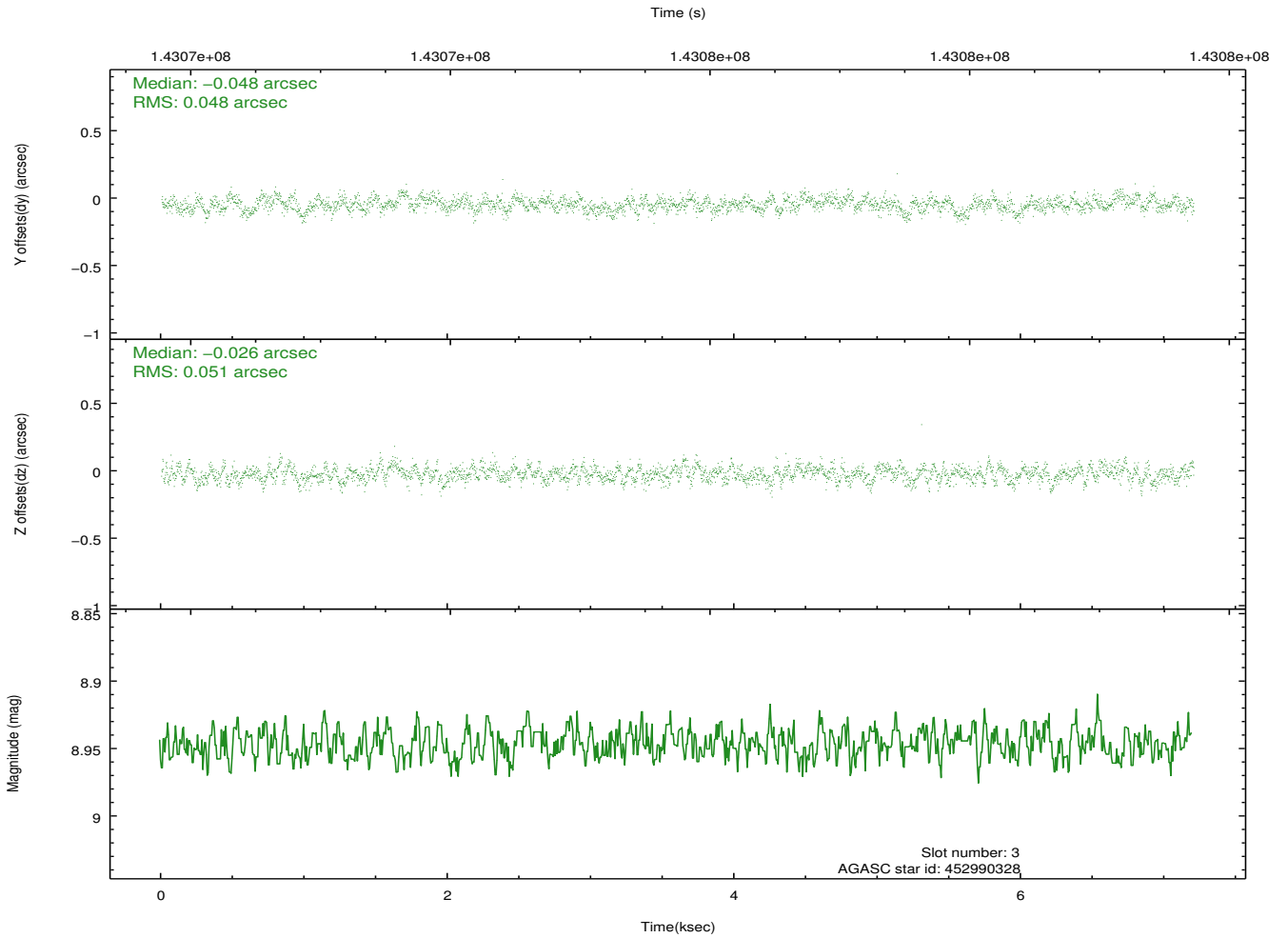
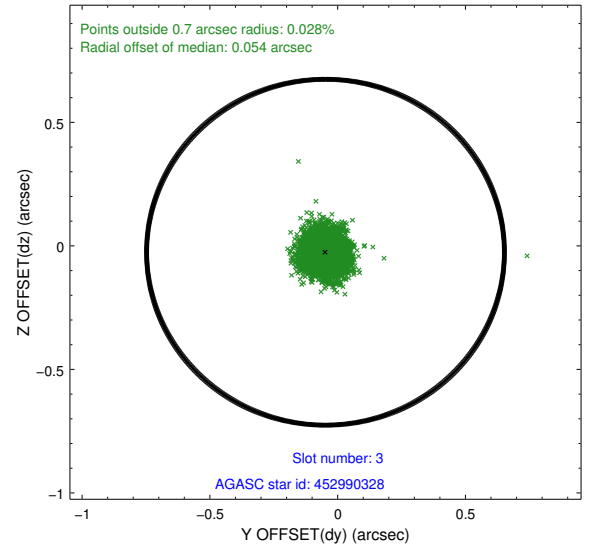
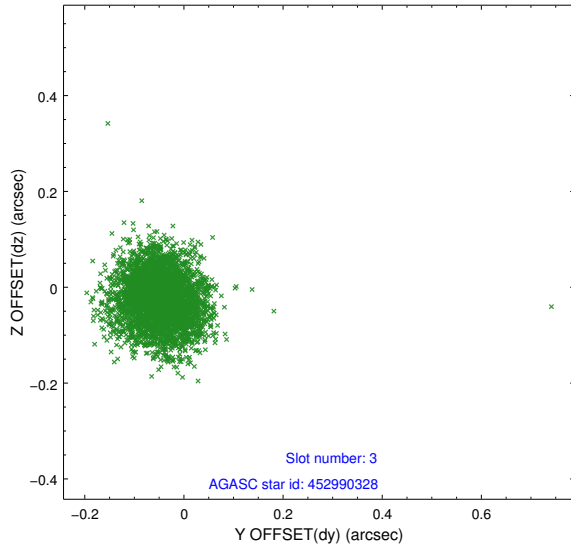


Slot Statistics

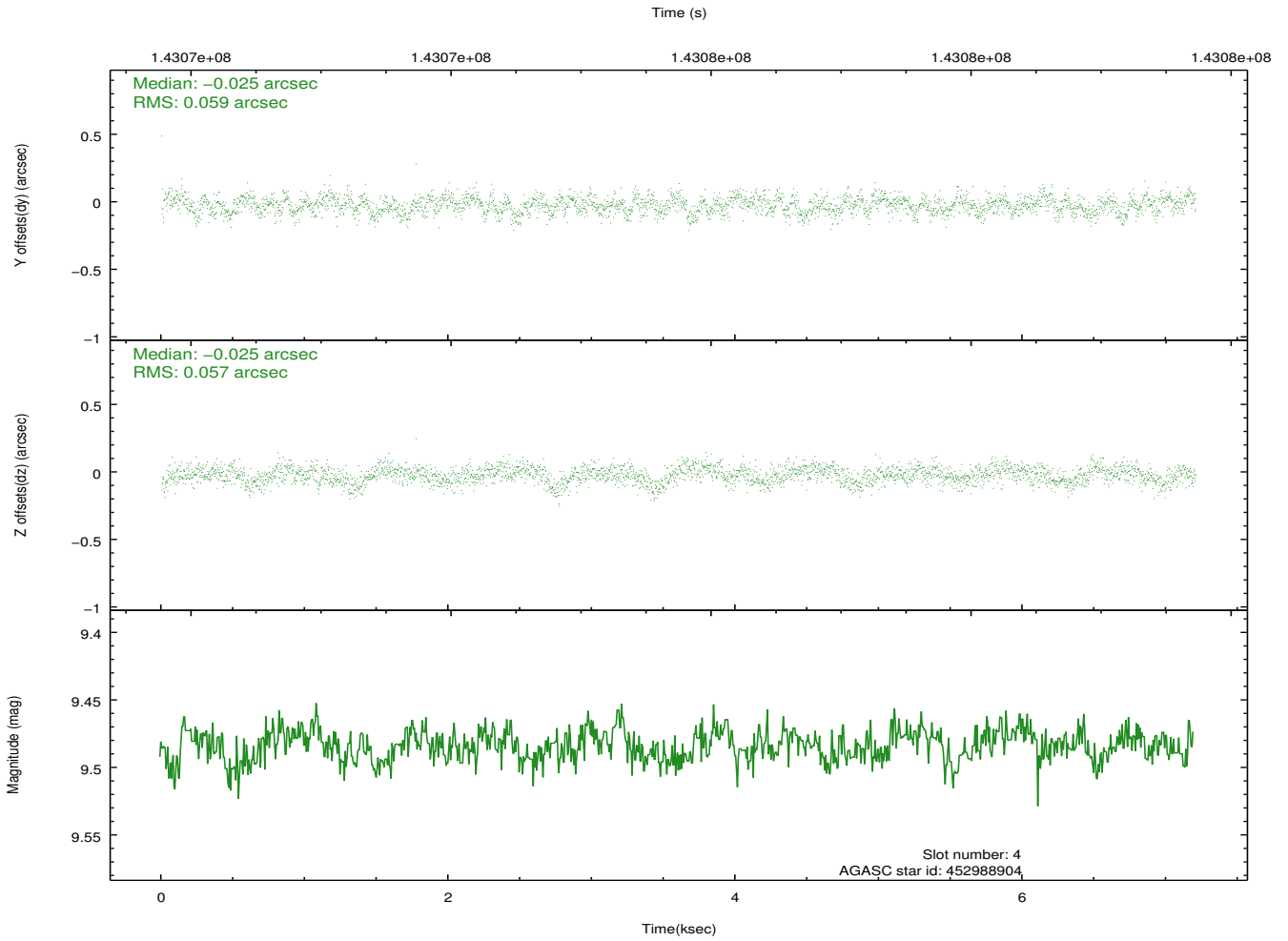
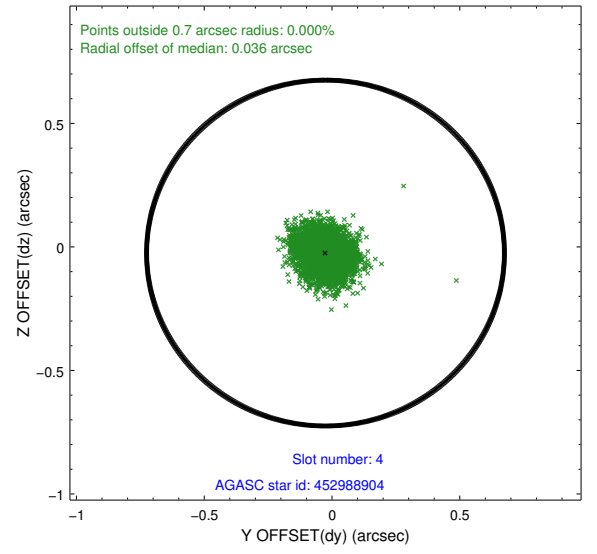
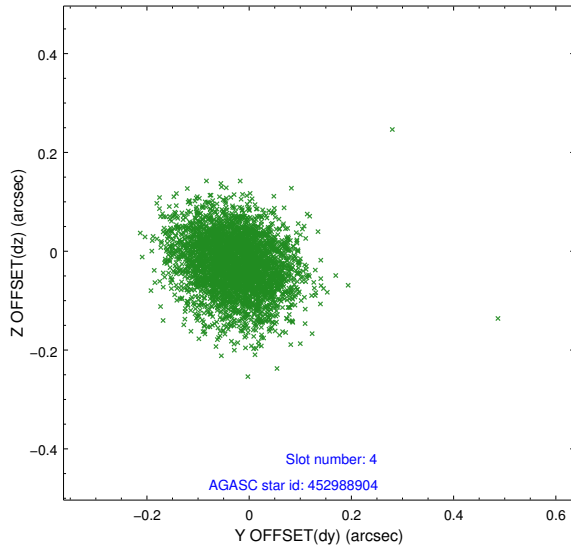
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1758	0.023	-0.001	0.007	0.012	0.000000	0.000000	940.77	-1725.00
1	FID	ACIS-S-5	7.24	1758	0.004	0.041	0.006	0.011	0.000000	0.000000	-1807.77	171.81
2	FID	ACIS-S-6	7.35	1758	-0.049	-0.028	0.007	0.012	0.000000	0.000000	405.43	816.58
3	GUIDE	452990328	8.95	3511	-0.048	-0.026	0.073	0.116	187.139482	47.966878	-270.94	-1820.16
4	GUIDE	452988904	9.48	3508	-0.025	-0.025	0.087	0.140	187.918892	48.028746	-600.77	41.08
5	GUIDE	452988936	9.66	3514	0.083	-0.036	0.115	0.185	187.888415	47.289636	2059.49	133.13
6	GUIDE	452993136	9.60	3514	0.000	0.014	0.106	0.168	187.055483	47.494487	1438.71	-1935.29
7	GUIDE	452988424	9.82	3505	-0.001	0.074	0.105	0.174	187.420717	47.373654	1825.29	-1024.34

2.4 Star Slots

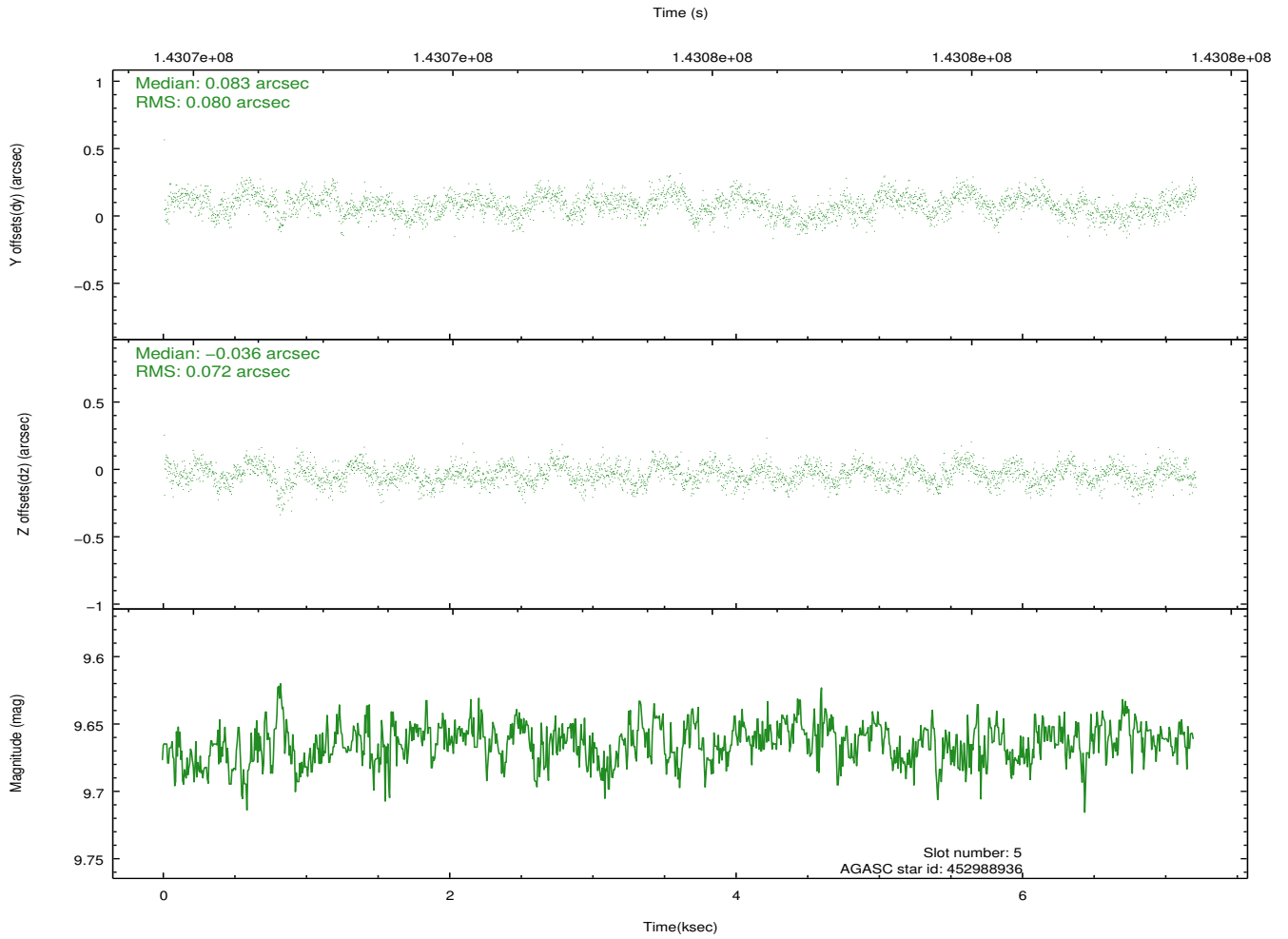
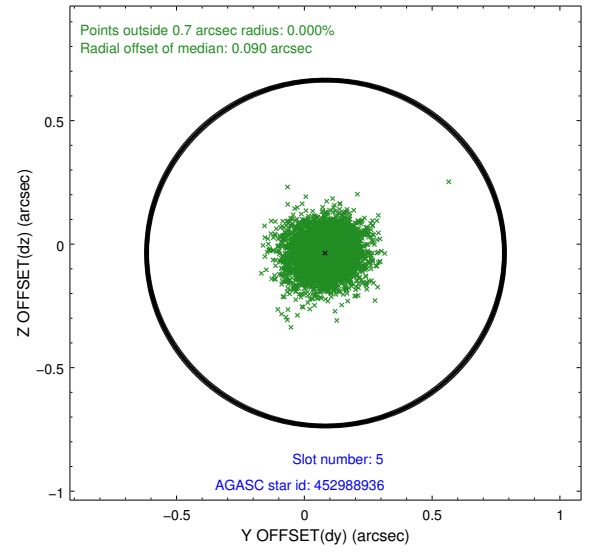
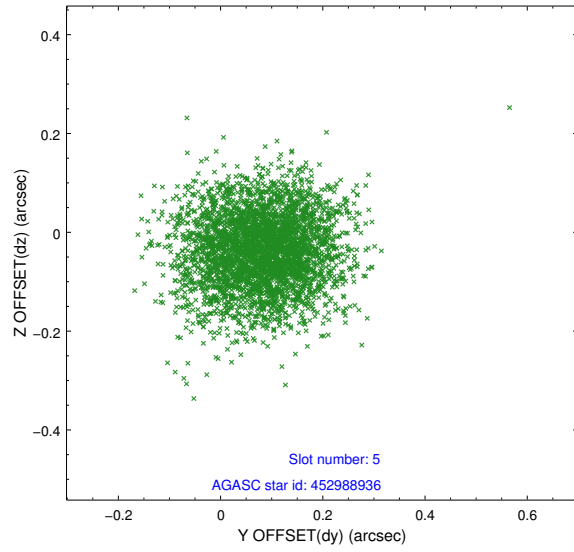
2.4.1 Slot 3



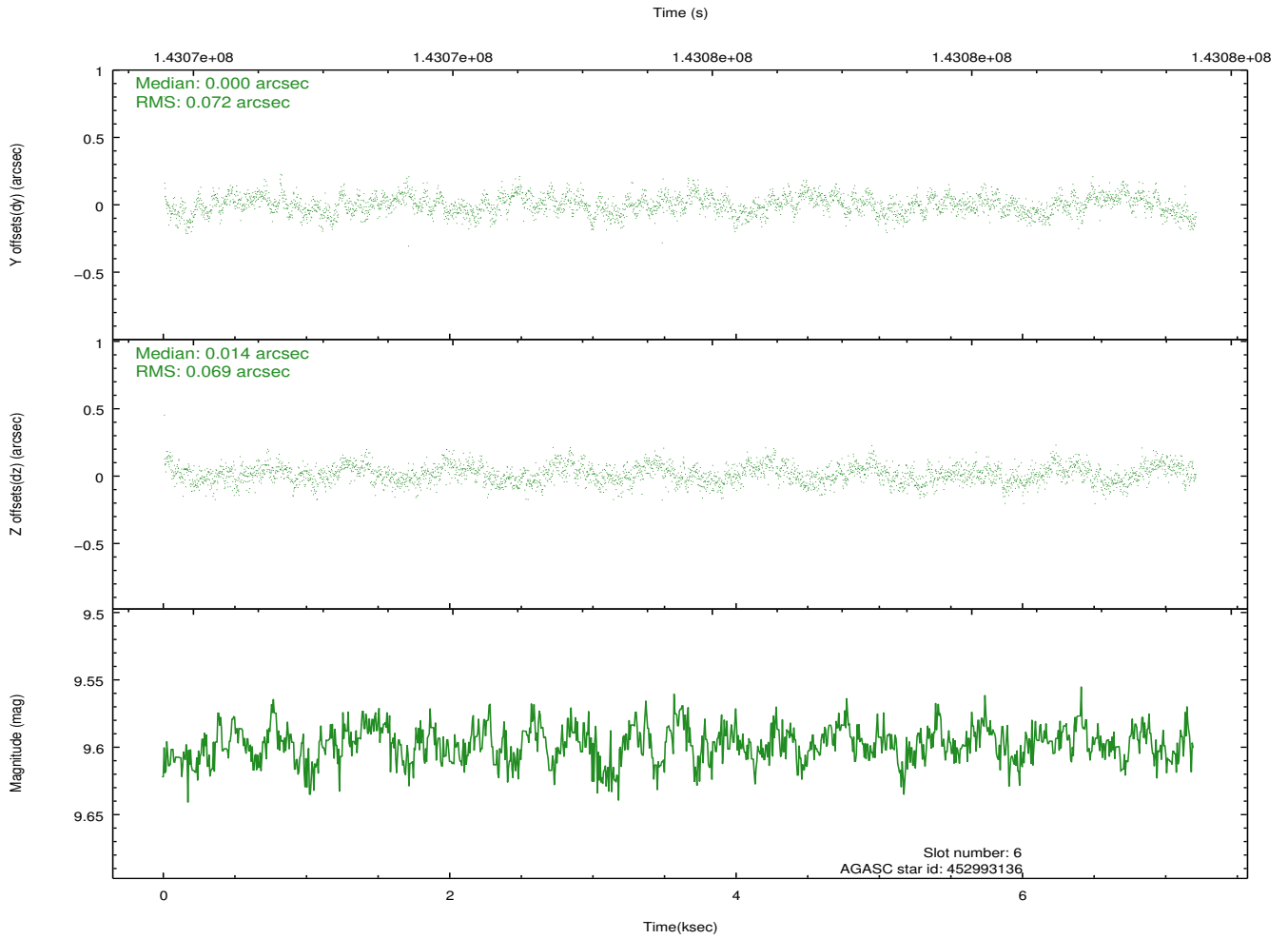
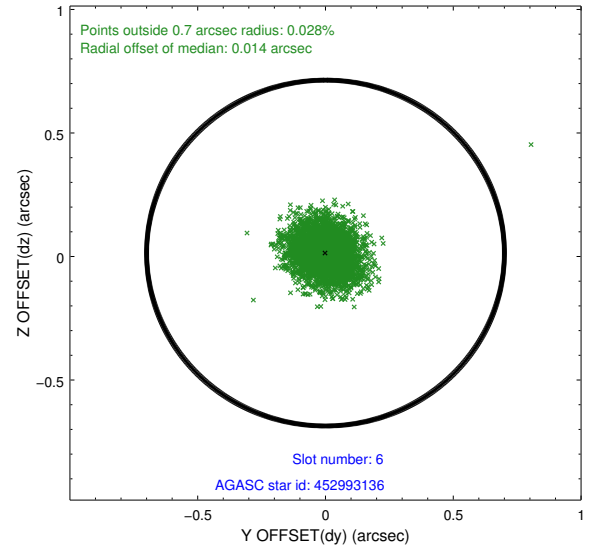
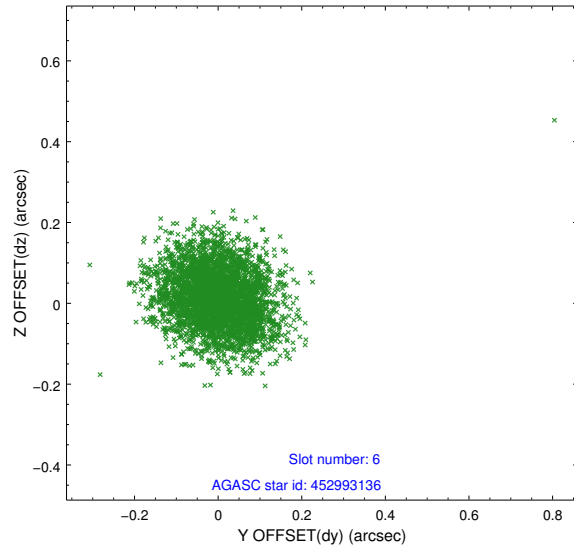
2.4.2 Slot 4



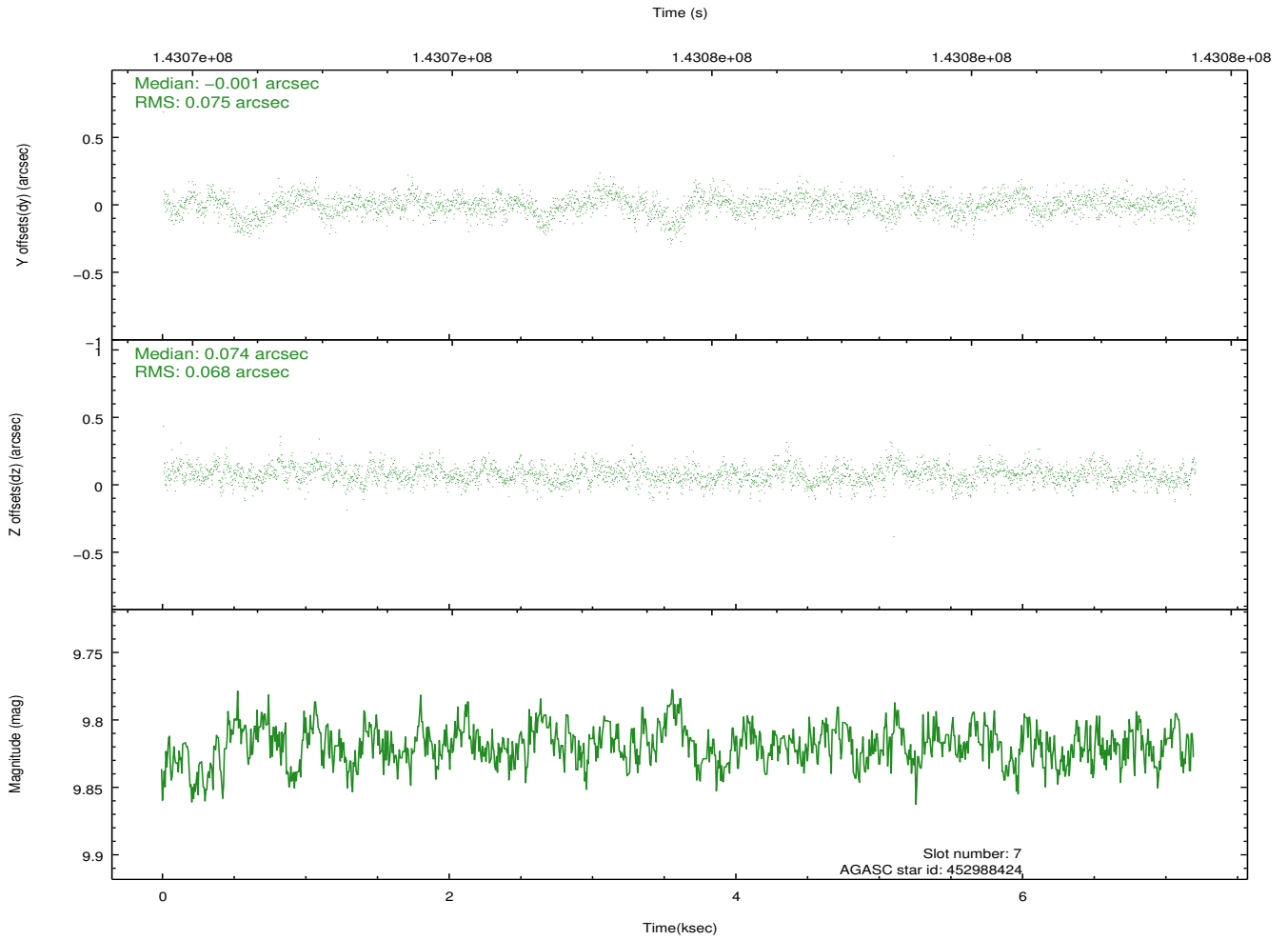
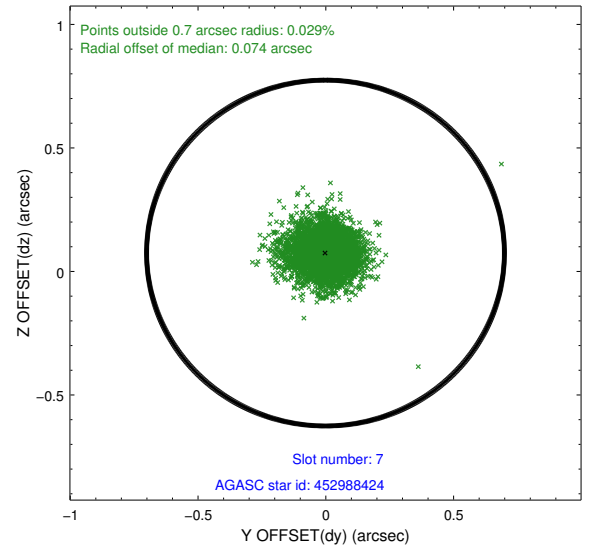
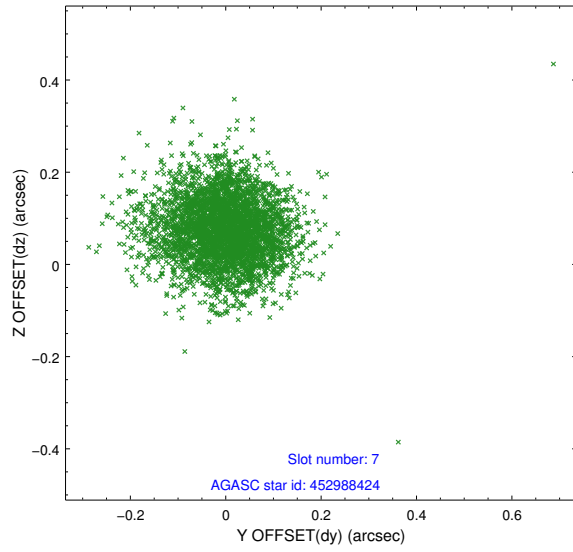
2.4.3 Slot 5



2.4.4 Slot 6

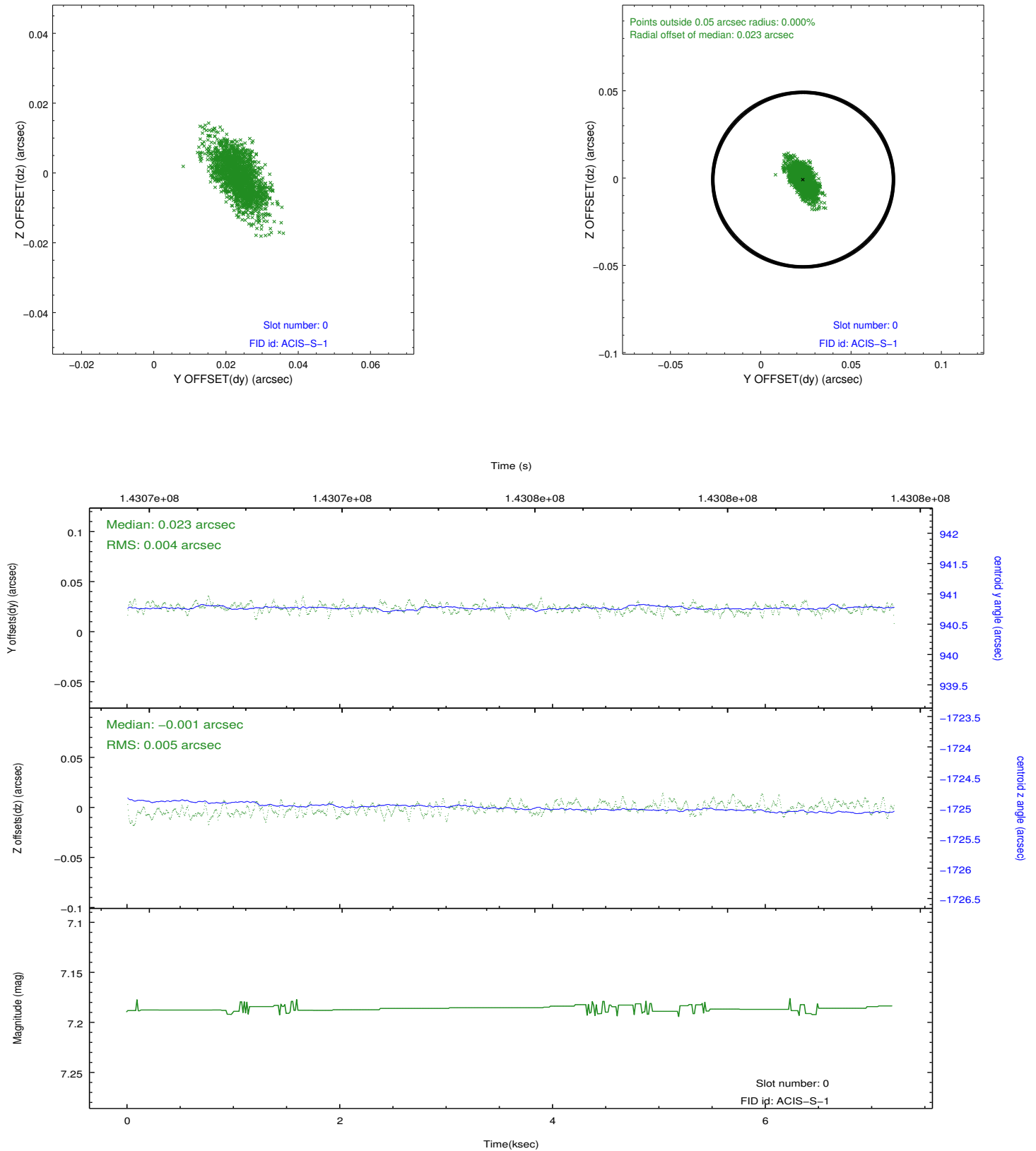


2.4.5 Slot 7

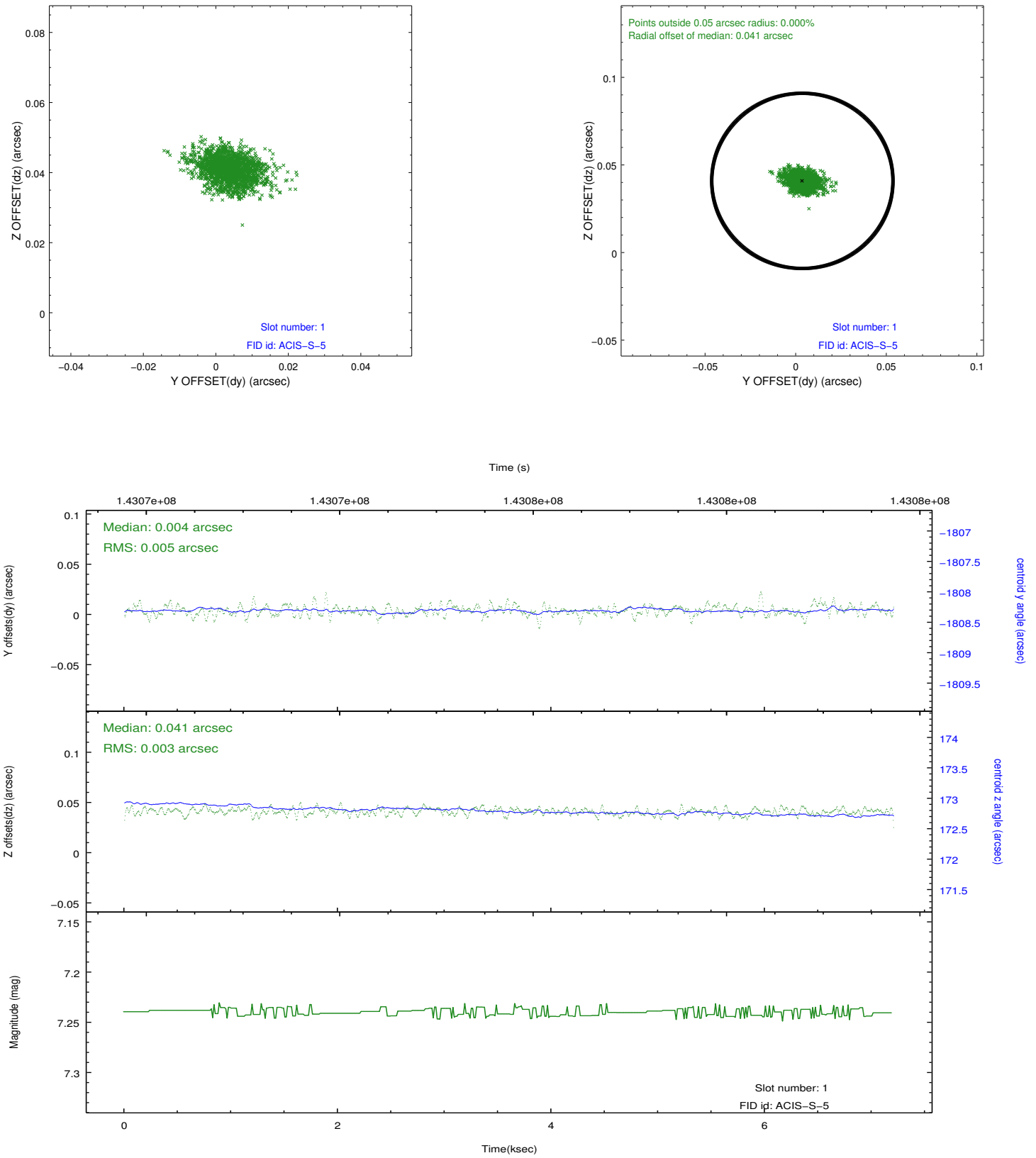


2.5 FID Slots

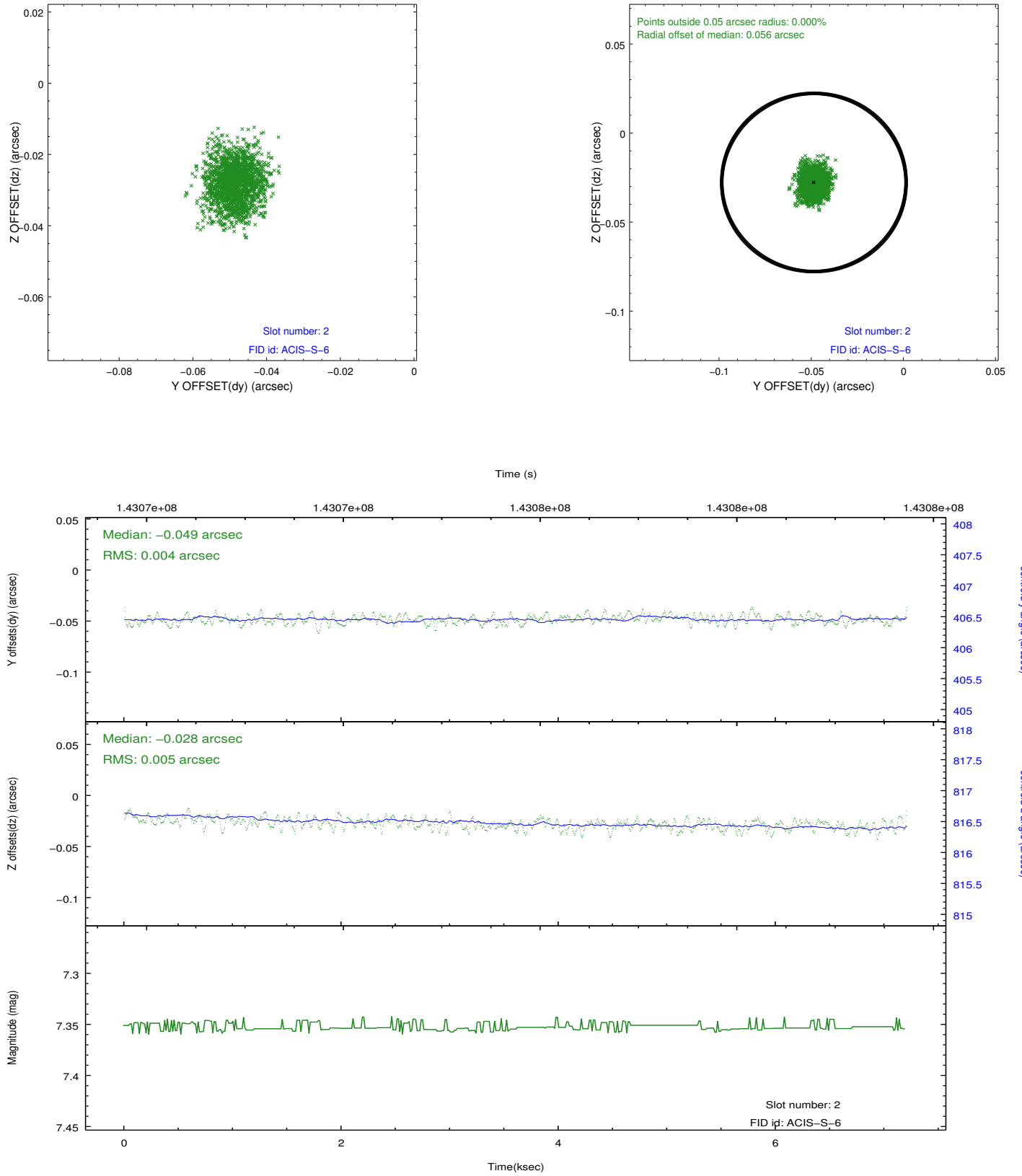
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.755

A.2 Comments