

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7553 - L2 Version 2
Chandra X-Ray Center

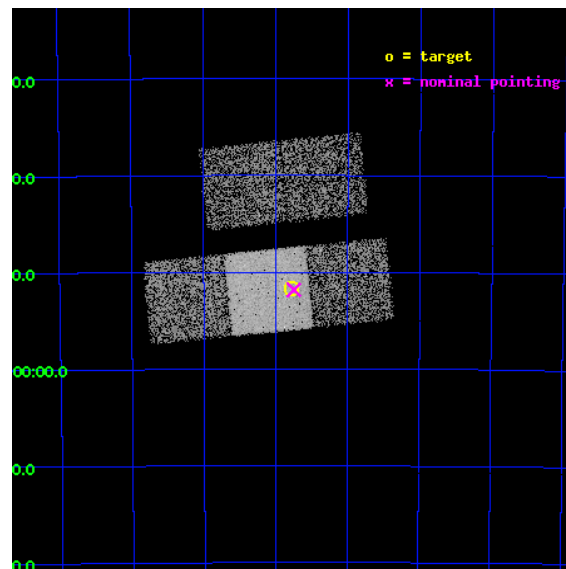
L2 Processing Date : May 1 2012

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1 Front

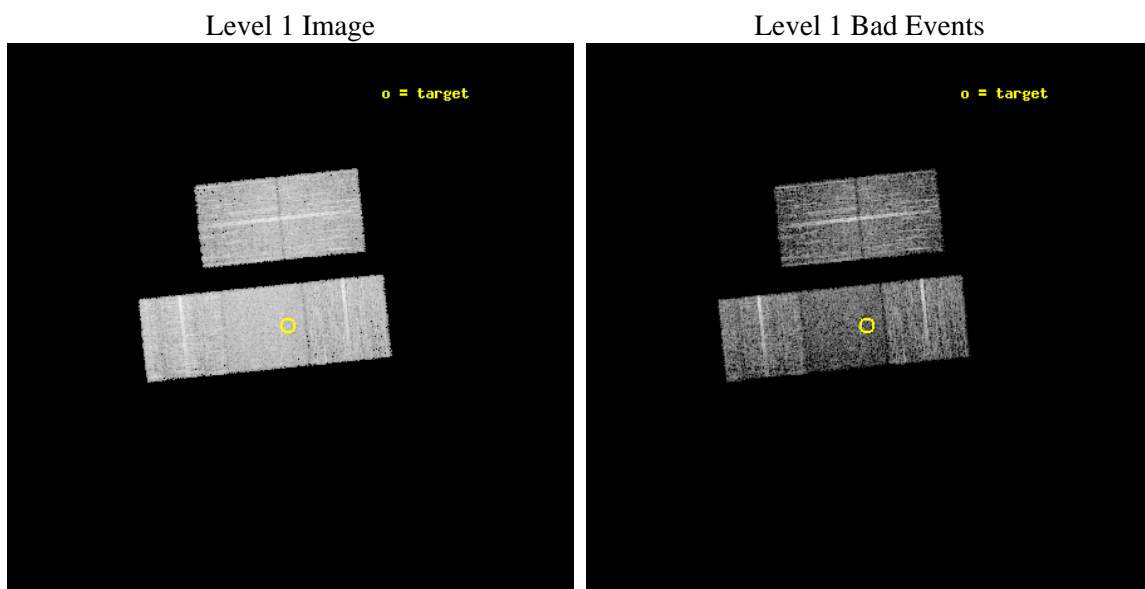
seq_num	400663	Sequence number
obs_id	7553	Observation id
title	Supergiant Fast X-ray Transients: New Candidates and Characterization of Quiescence	Proposal title
observer	Prof. David Smith	Principal investigator
object	IGR J11215-5952	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.445417	Observer's specified target RA [deg]
dec_targ	-59.861667	Observer's specified target Dec [deg]
ra_nom	170.43684709786	Nominal RA [deg]
dec_nom	-59.863777891946	Nominal Dec [deg]
roll_nom	174.15017491538	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5033.0382510424	Sum of GTIs [s]
livetime	4967.2779010236	Livetime [s]
ontime2	5029.7331705689	Sum of GTIs [s]
ontime3	5032.9561710358	Sum of GTIs [s]
ontime6	5029.8562506437	Sum of GTIs [s]
ontime7	5033.0382510424	Sum of GTIs [s]
ontime8	5032.9151310325	Sum of GTIs [s]
l2events	36056	Number of level 2 events



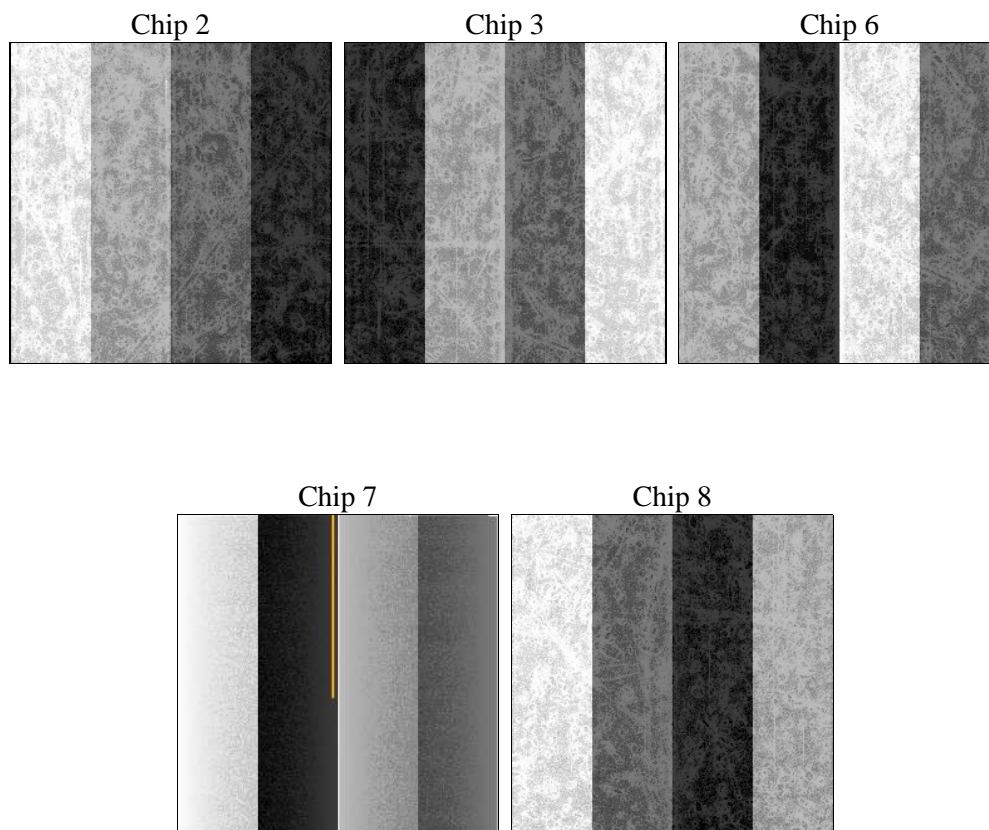
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5033.0382510424	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5029.7331705689	Sum of GTIs [s]
date	2012-05-01T06:07:51	Date and time of file creation	ontime3	5032.9561710358	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5029.8562506437	Sum of GTIs [s]
			ontime7	5033.0382510424	Sum of GTIs [s]
			ontime8	5032.9151310325	Sum of GTIs [s]
			l1events	224748	Number of level 1 events

2.1.4 Events

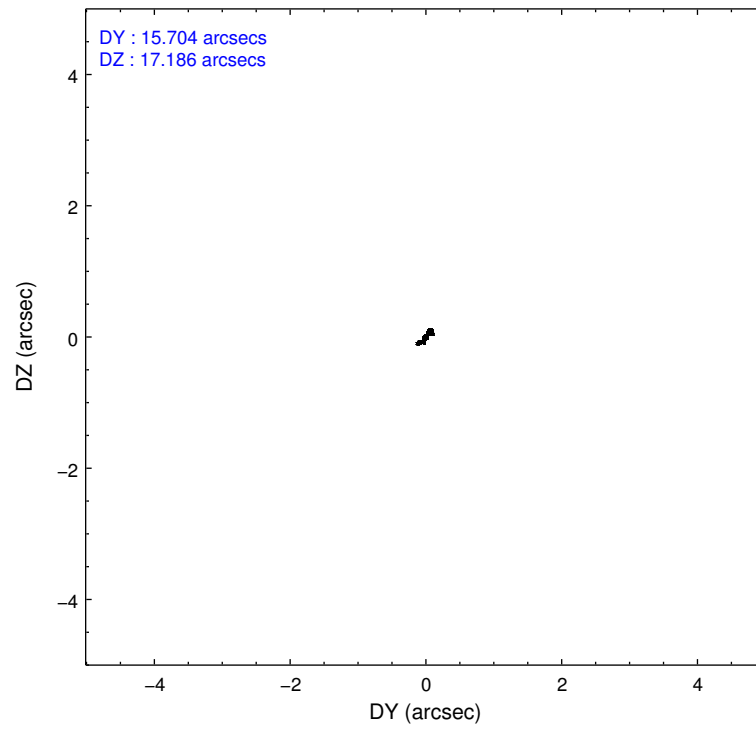
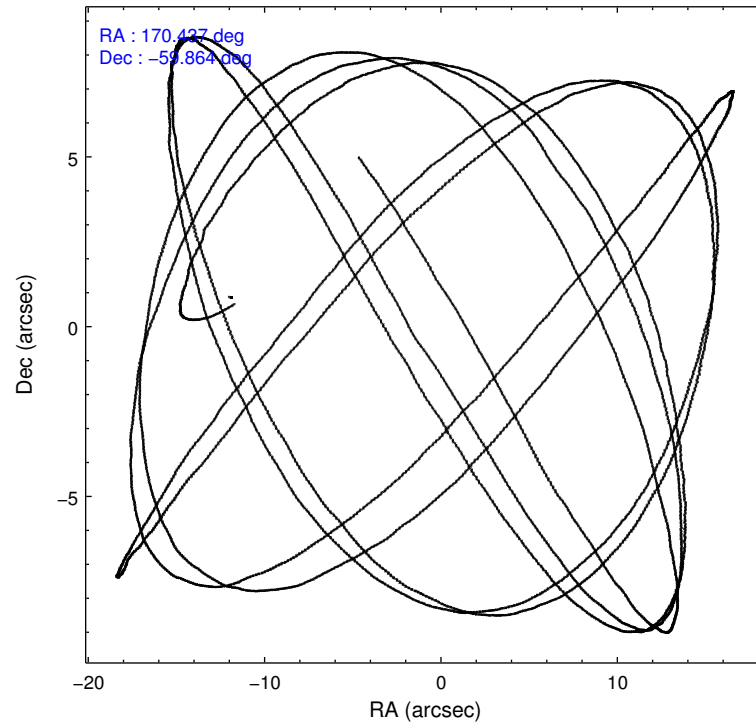
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	42145	40479	42701	47058	52365
rejected events	38045	36573	38271	25666	39601
rejected %	90%	90%	89%	54%	75%

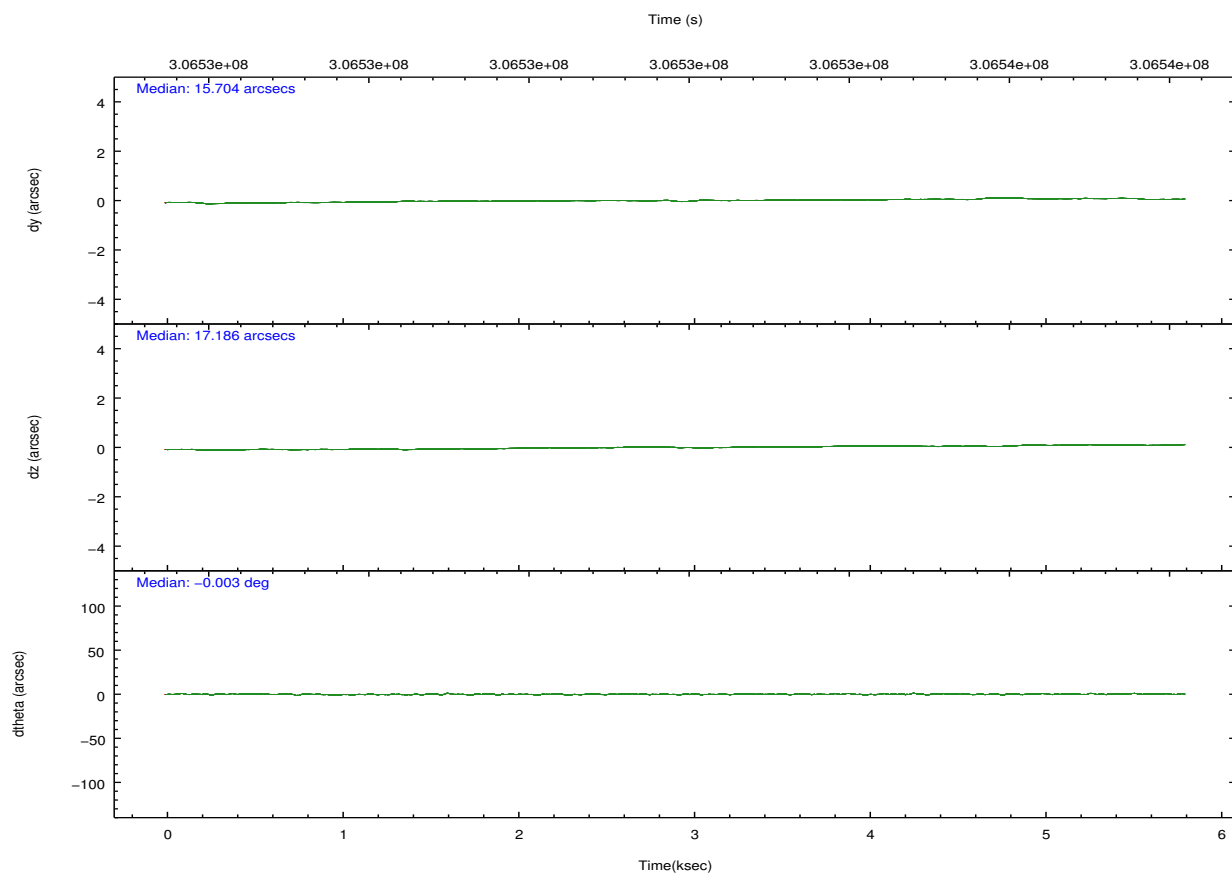
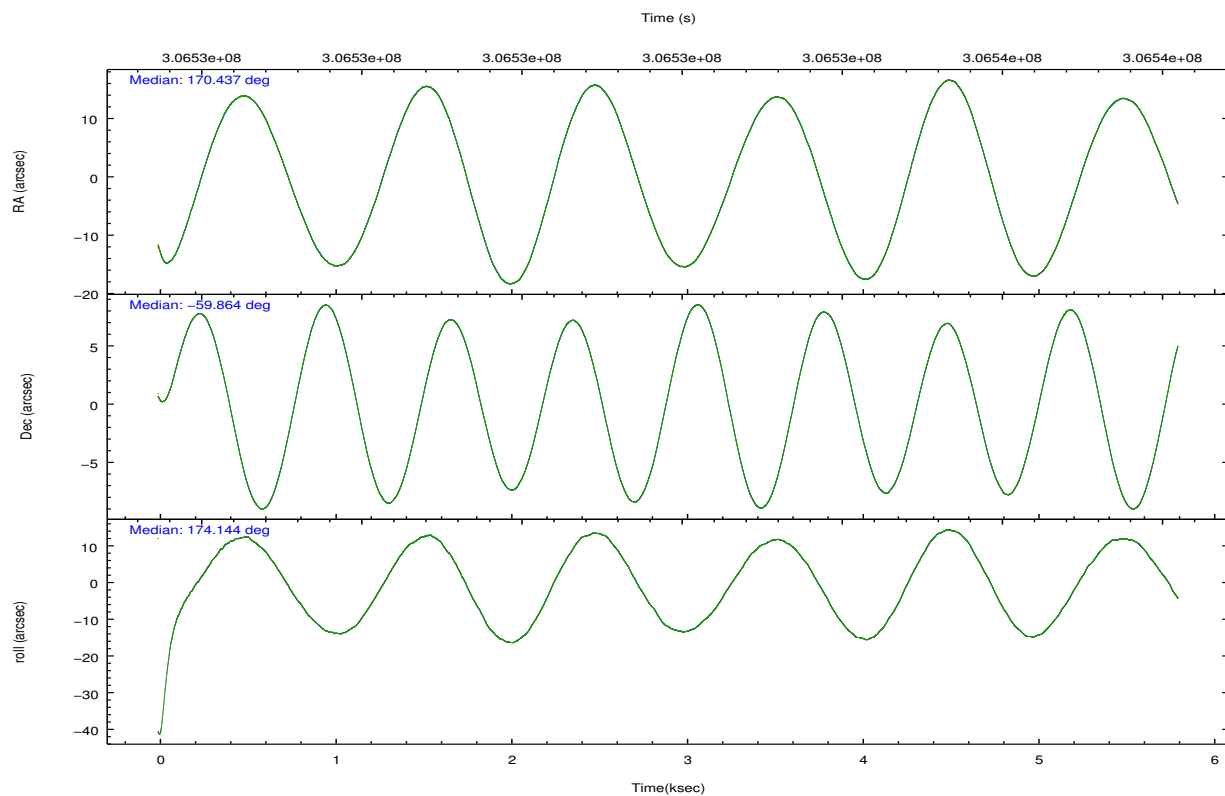
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1587	1474	1657	2031	4097
	3%	3%	3%	4%	7%
grade 1 events	27	19	25	62	58
	0%	0%	0%	0%	0%
grade 2 events	958	788	926	4379	2774
	2%	1%	2%	9%	5%
grade 3 events	440	439	431	1890	1372
	1%	1%	1%	4%	2%
grade 4 events	444	446	471	1963	1272
	1%	1%	1%	4%	2%
grade 5 events	1244	1634	1674	4893	2348
	2%	4%	3%	10%	4%
grade 6 events	676	761	951	11152	3259
	1%	1%	2%	23%	6%
grade 7 events	36769	34918	36566	20688	37185
	87%	86%	85%	43%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	170.486091	170.4368470978558	Subarray requested	NONE	NONE
[deg] Pointing Dec	-59.852256	-59.86377789194597	Alternating exposures requested	N	N
[deg] Pointing Roll	174.036217	174.15017491538	[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)	306530806.184000	306529565.60576			
Observation start date	2007-09-18T19:25:41	2007-09-18T19:06:05			
[s] Observation end time (MET)	306535806.184000	306536900.50611			
Observation end date	2007-09-18T20:49:01	2007-09-18T21:08:20			
Read mode	TIMED	TIMED			

2.3 Aspect



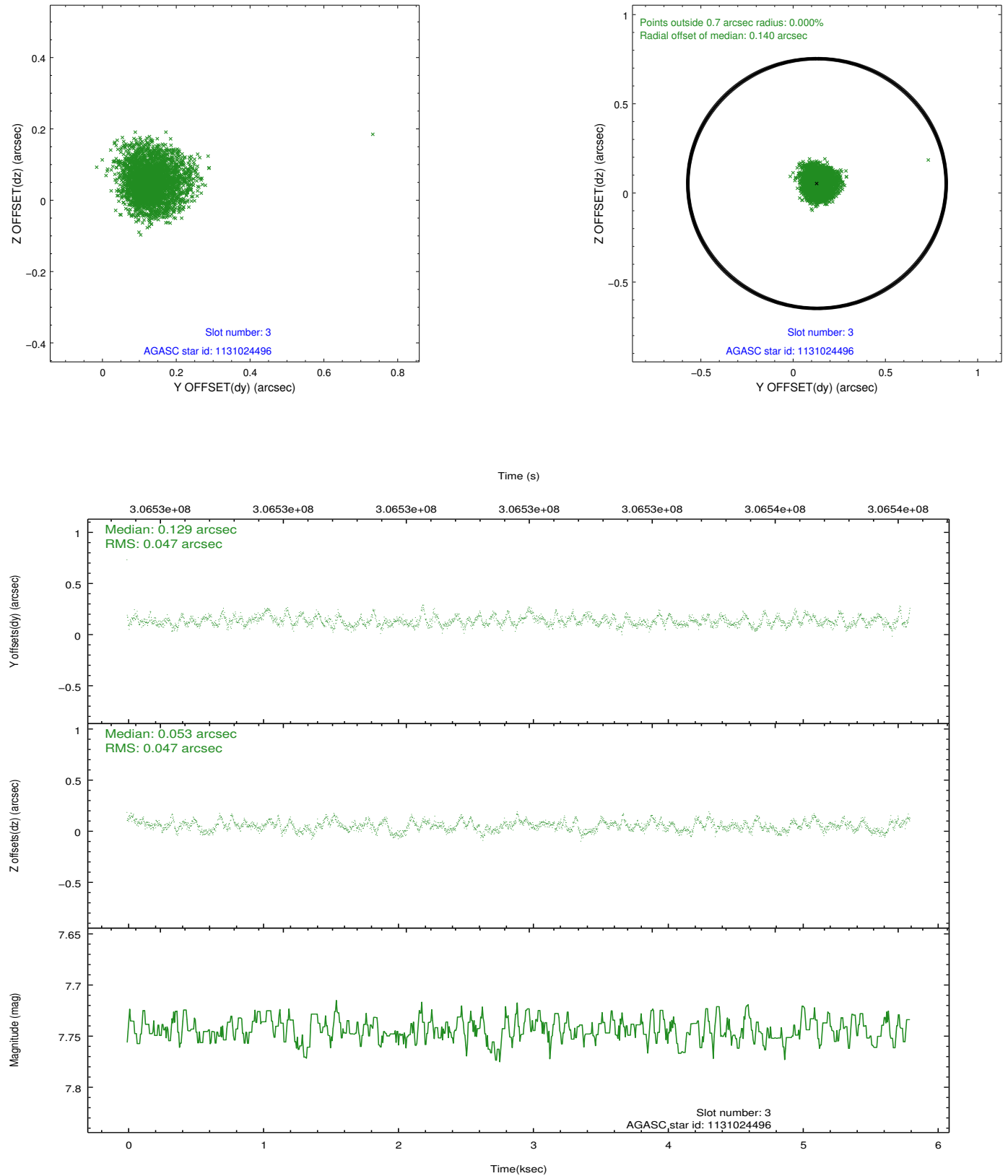


Slot Statistics

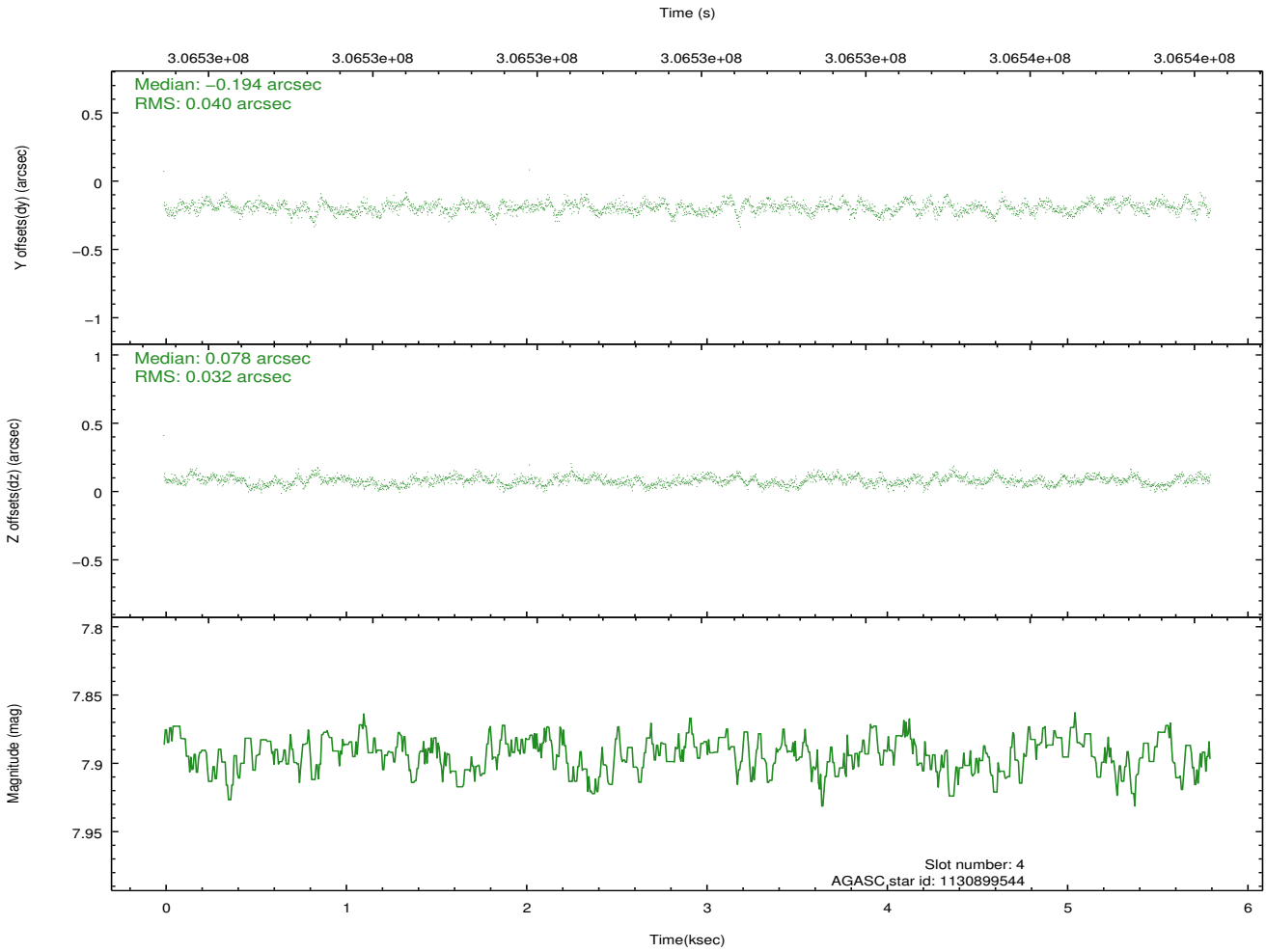
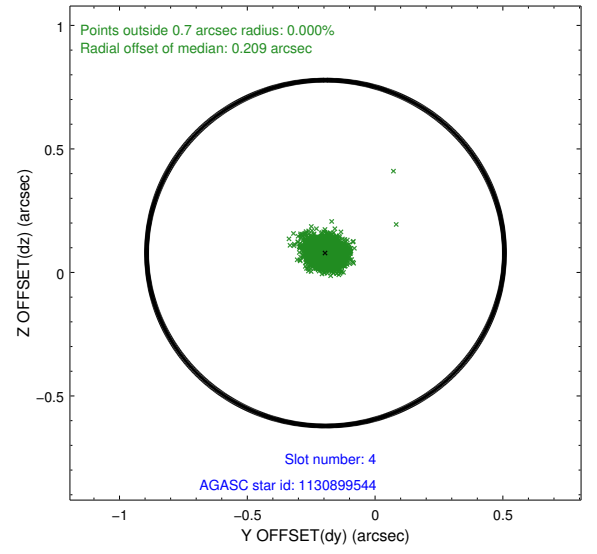
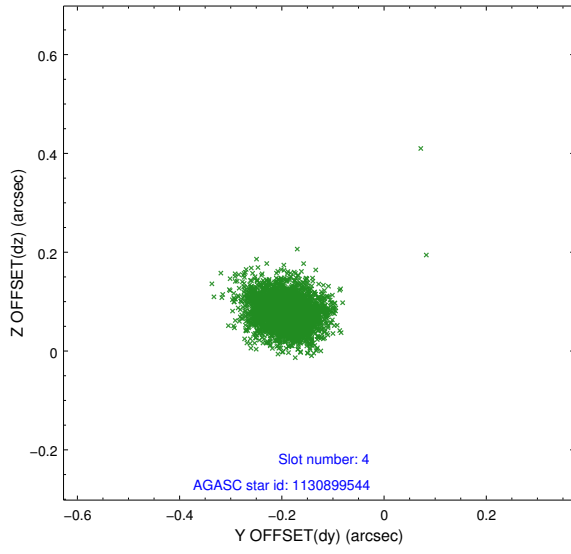
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1416	-0.070	-0.045	0.007	0.012	0.000000	0.000000	-768.81	-1738.65
1	FID	ACIS-S-4	7.19	1415	0.158	0.046	0.005	0.010	0.000000	0.000000	2144.27	168.78
2	FID	ACIS-S-5	7.22	1416	-0.119	0.008	0.007	0.011	0.000000	0.000000	-1820.34	163.69
3	GUIDE	1131024496	7.74	2831	0.129	0.053	0.072	0.112	170.002192	-59.188051	1136.55	-2281.89
4	GUIDE	1130899544	7.89	2828	-0.194	0.078	0.053	0.085	169.267660	-59.590982	2304.52	-684.83
5	GUIDE	1131022976	7.67	2832	-0.052	0.110	0.052	0.084	171.601311	-59.282289	-1826.77	-2236.92
6	GUIDE	1174285376	7.70	2832	-0.058	-0.038	0.050	0.080	169.630551	-60.244001	1372.39	1570.85
7	GUIDE	1174291288	8.40	2825	0.168	-0.201	0.064	0.103	171.098092	-60.555450	-1339.90	2410.69

2.4 Star Slots

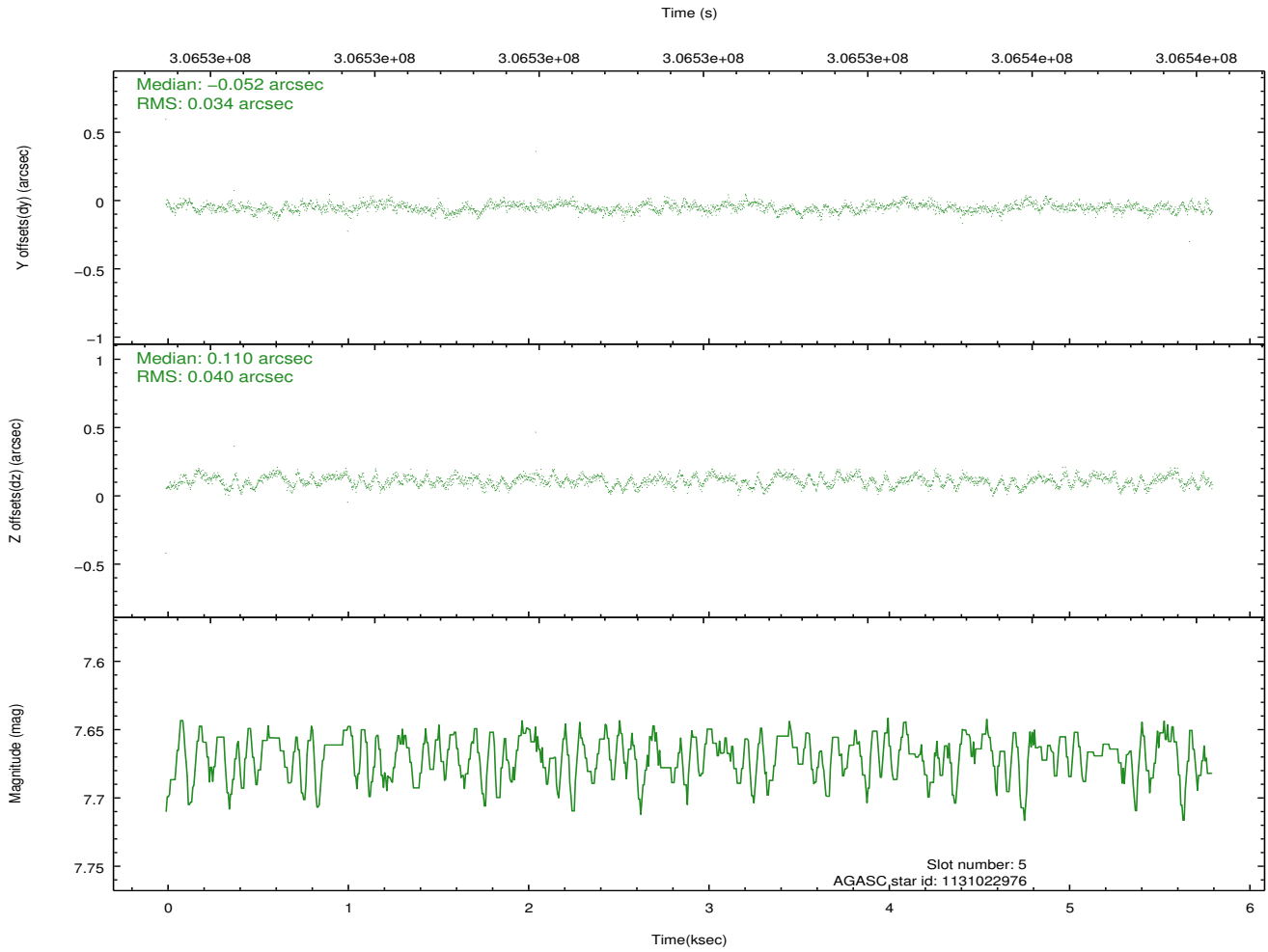
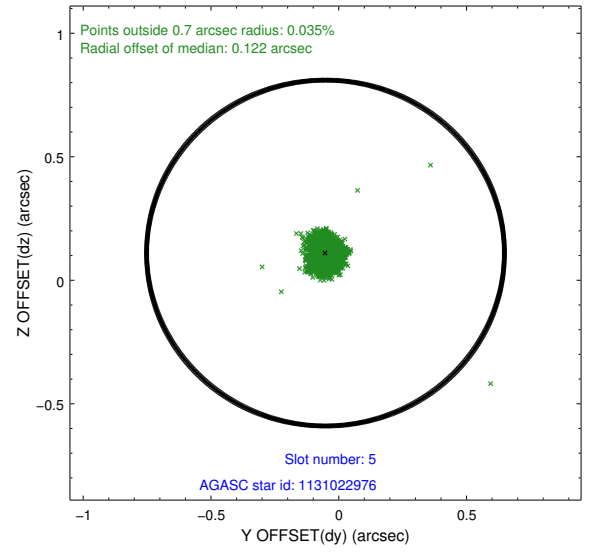
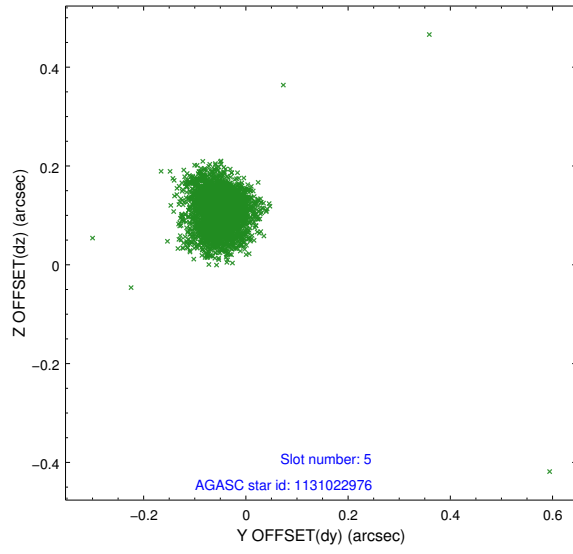
2.4.1 Slot 3



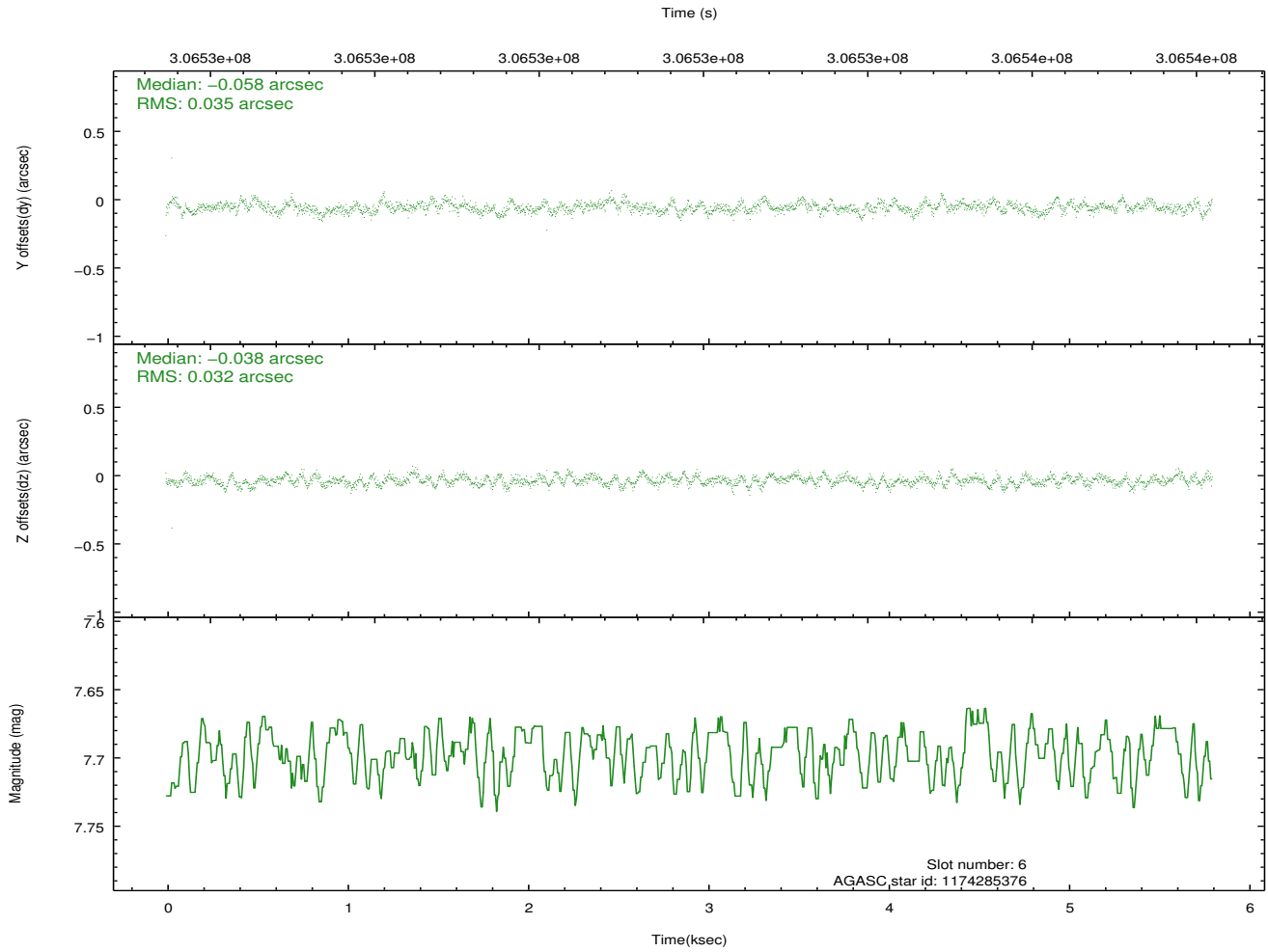
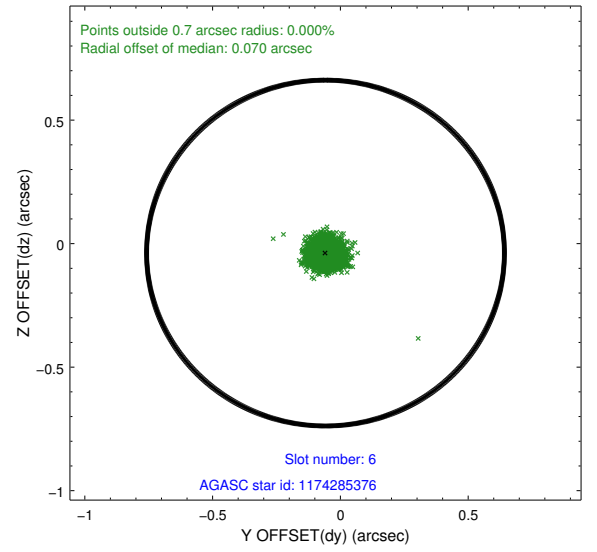
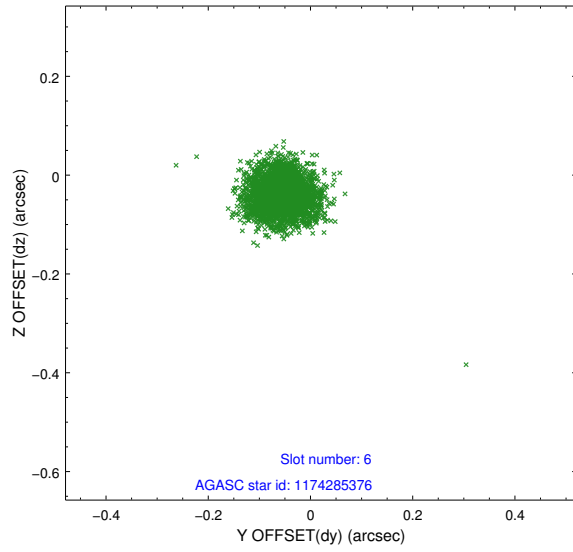
2.4.2 Slot 4



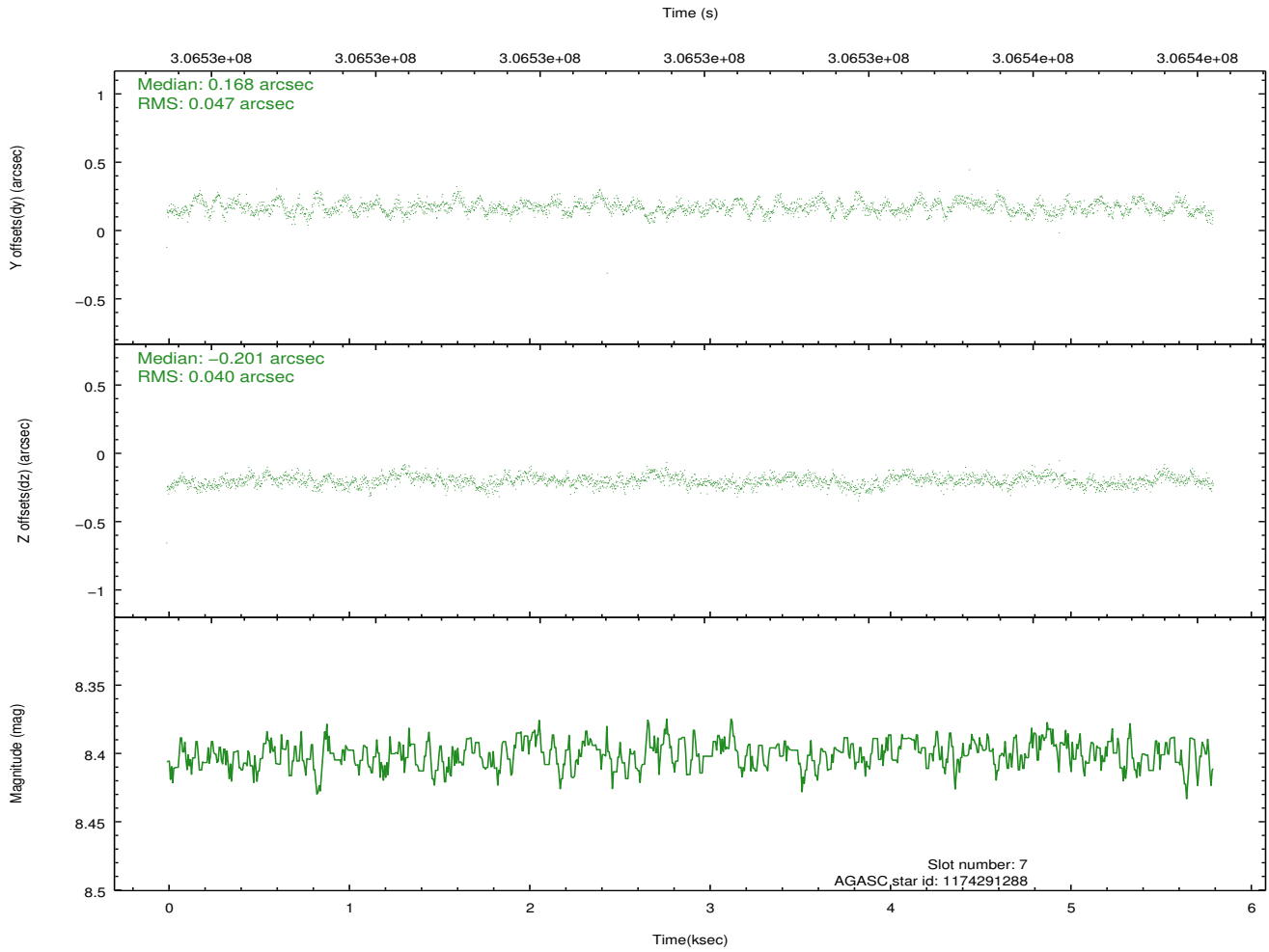
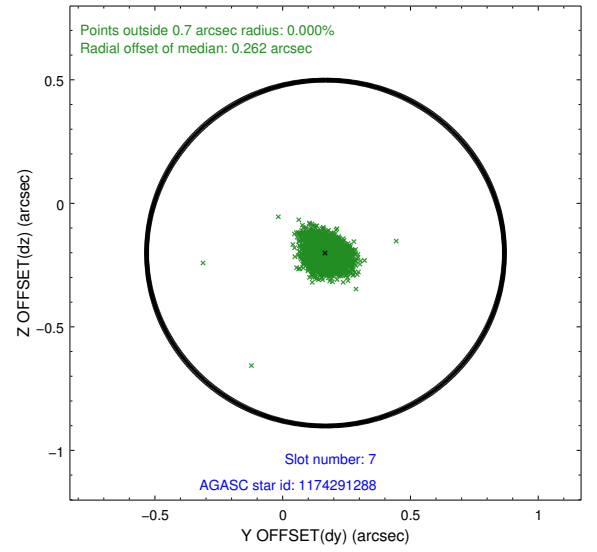
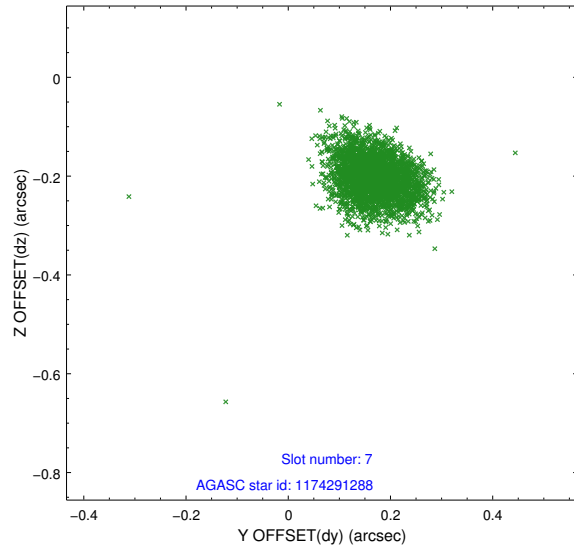
2.4.3 Slot 5



2.4.4 Slot 6

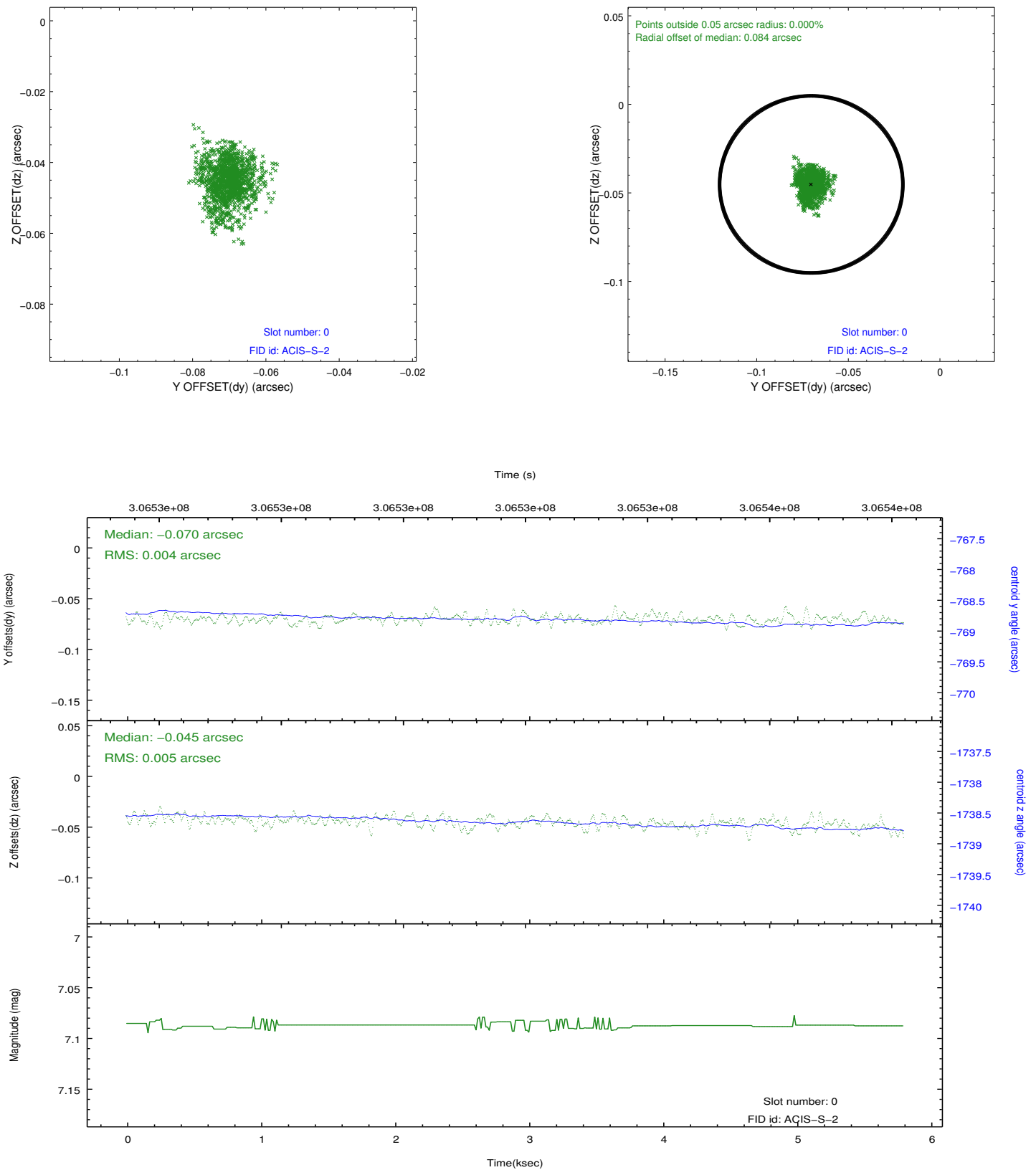


2.4.5 Slot 7

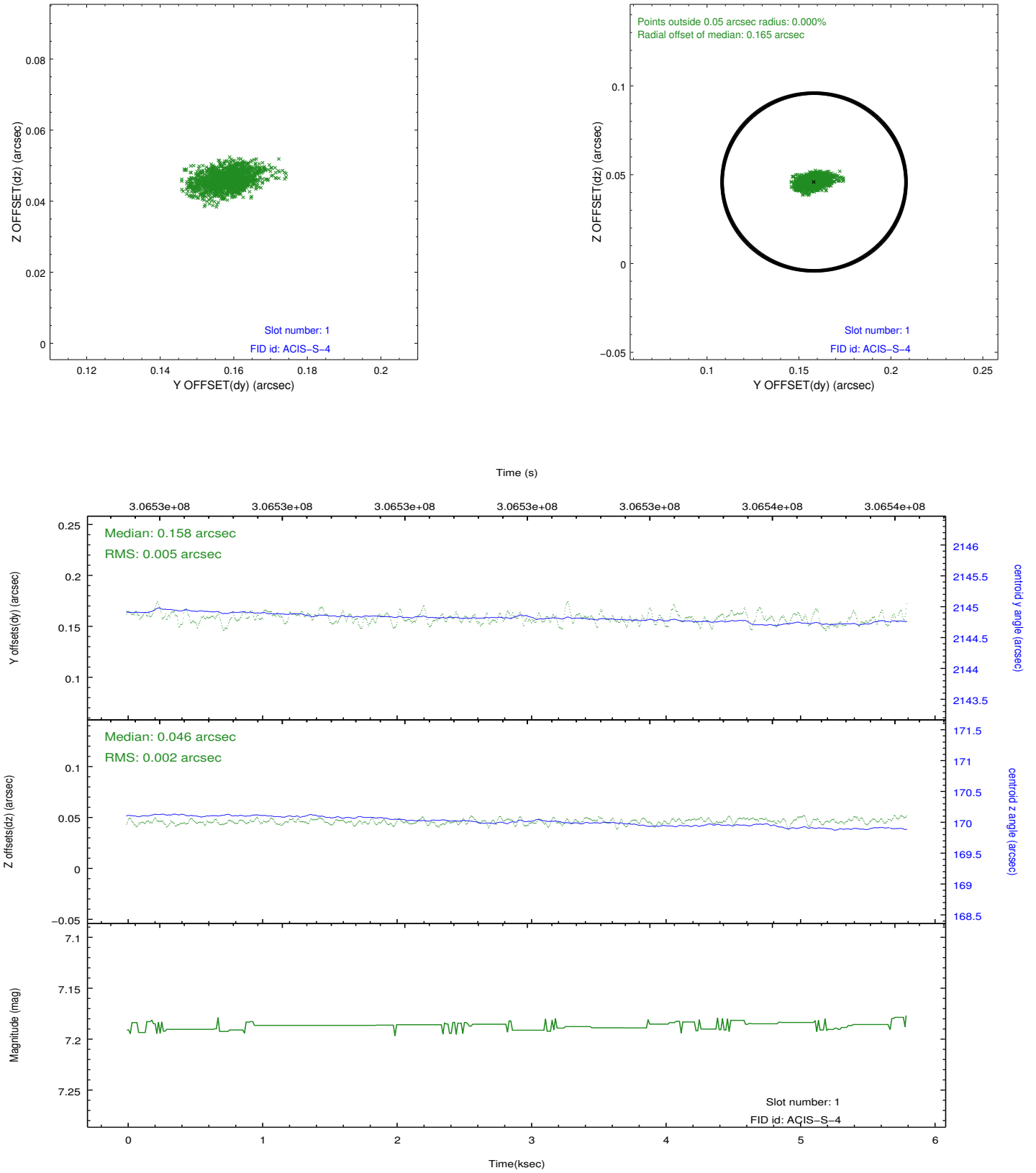


2.5 FID Slots

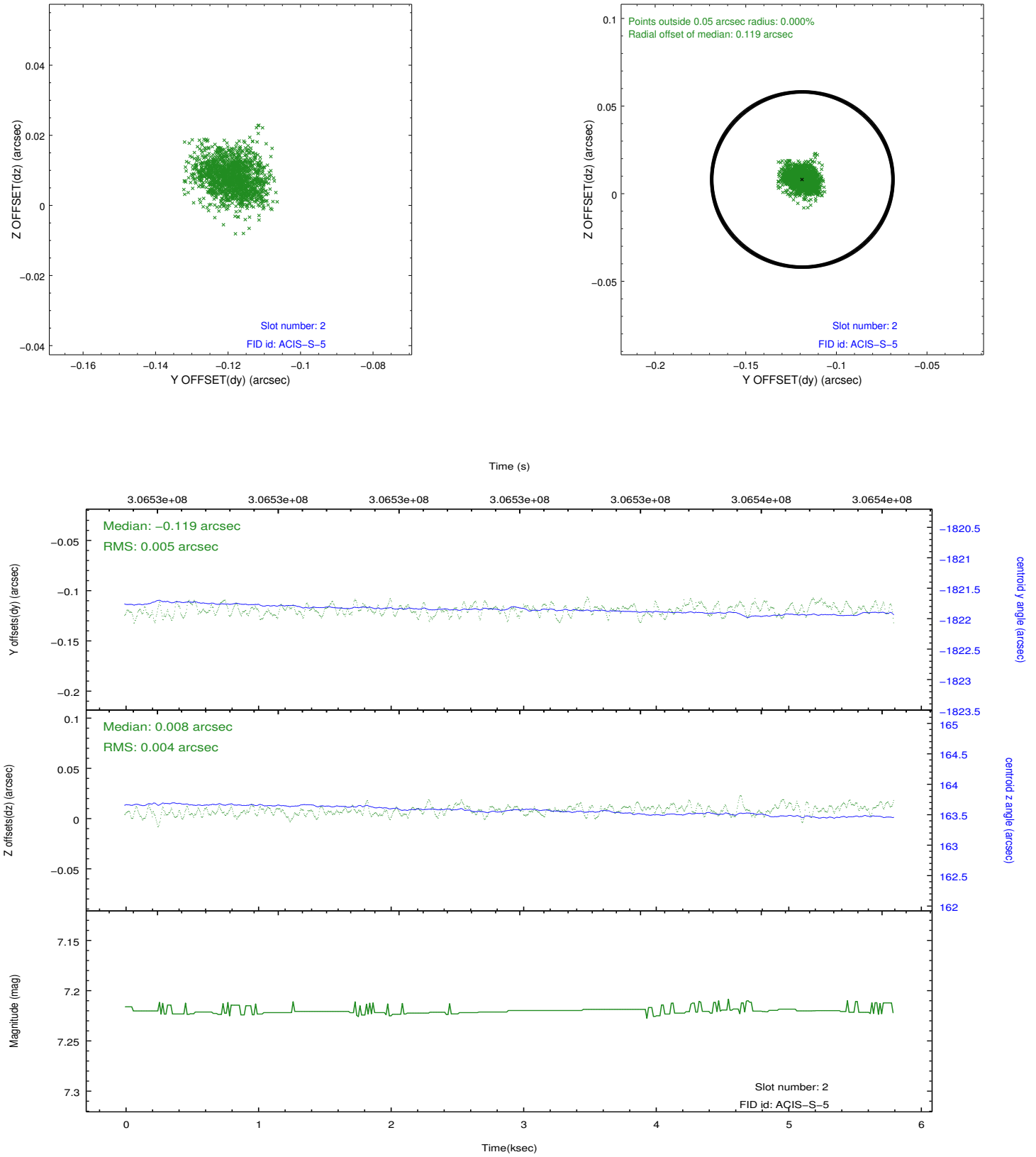
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.03440003

A.2 Comments