

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4050 - L2 Version 4
Chandra X-Ray Center

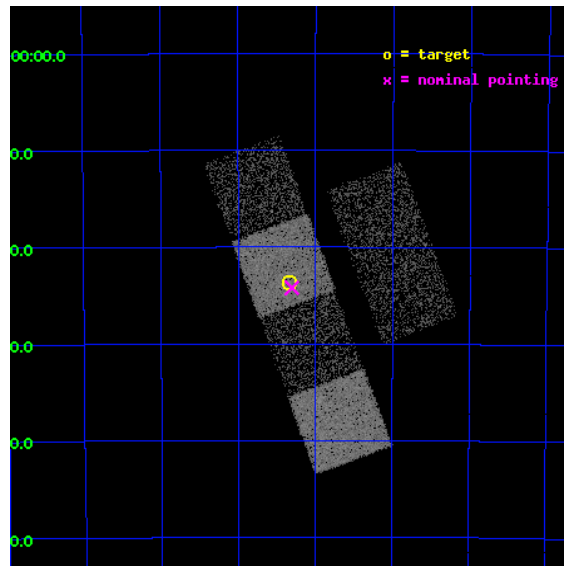
L2 Processing Date : Oct 18 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

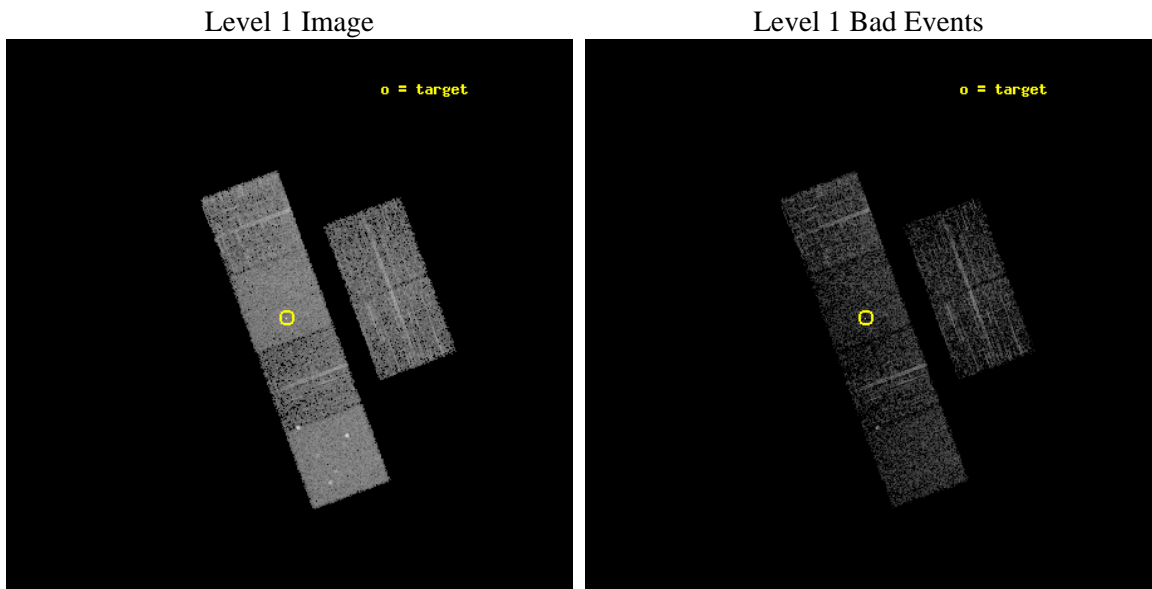
seq_num	700729	Sequence number
obs_id	4050	Observation id
title	WHY DO WE SEE BROAD LINES IN X-RAY ABSORBED AGN?	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASS202421-572344	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	306.085417	Observer's specified target RA [deg]
dec_targ	-57.395444	Observer's specified target Dec [deg]
ra_nom	306.07627370137	Nominal RA [deg]
dec_nom	-57.403641414742	Nominal Dec [deg]
roll_nom	249.77101793753	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2751.999989748	Sum of GTIs [s]
livetime	2717.1525088224	Livetime [s]
ontime2	2751.999989748	Sum of GTIs [s]
ontime3	2751.999989748	Sum of GTIs [s]
ontime5	2751.999989748	Sum of GTIs [s]
ontime6	2751.999989748	Sum of GTIs [s]
ontime7	2751.999989748	Sum of GTIs [s]
ontime8	2748.7590094805	Sum of GTIs [s]
l2events	35087	Number of level 2 events



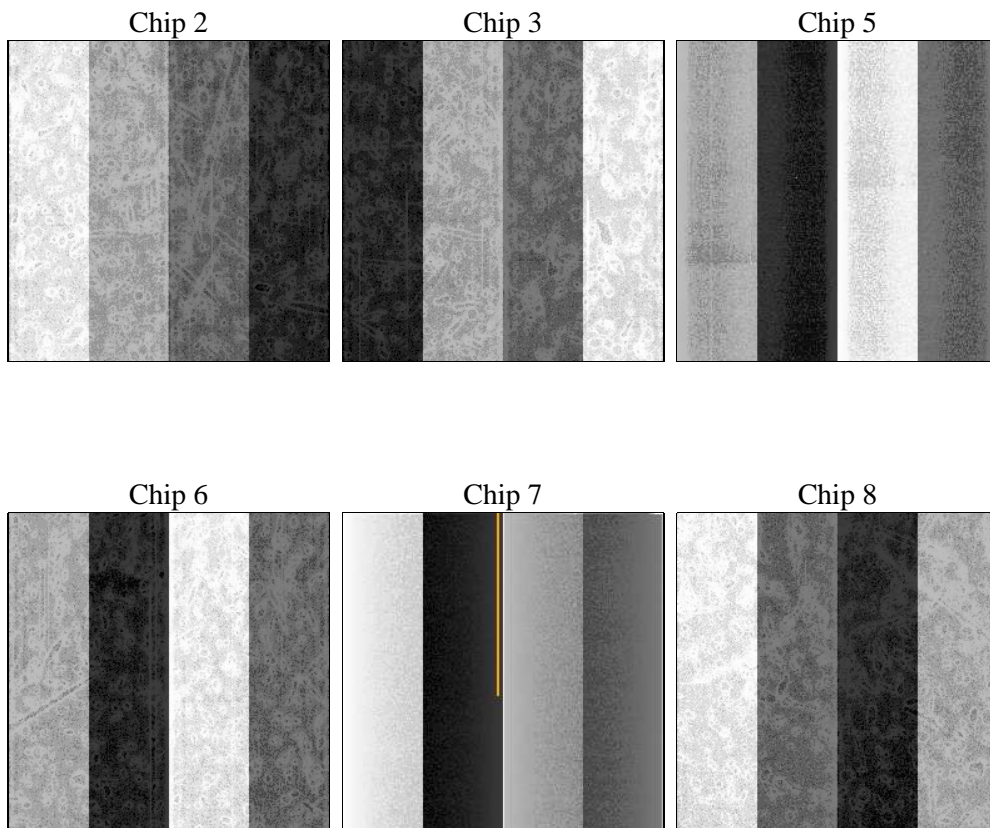
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2751.999989748	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2751.999989748	Sum of GTIs [s]
date	2012-10-18T13:51:09	Date and time of file creation	ontime3	2751.999989748	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2751.999989748	Sum of GTIs [s]
			ontime6	2751.999989748	Sum of GTIs [s]
			ontime7	2751.999989748	Sum of GTIs [s]
			ontime8	2748.7590094805	Sum of GTIs [s]
			l1events	135401	Number of level 1 events

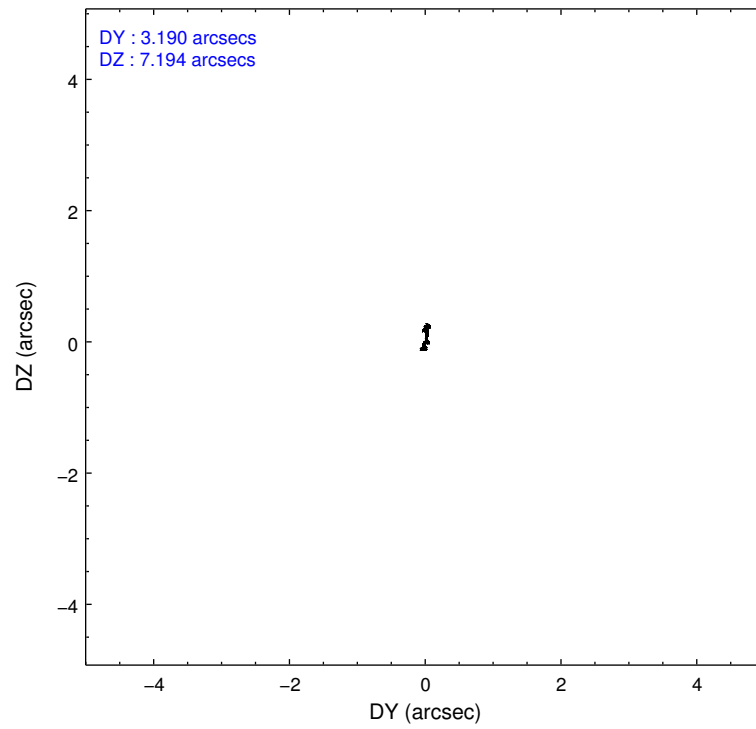
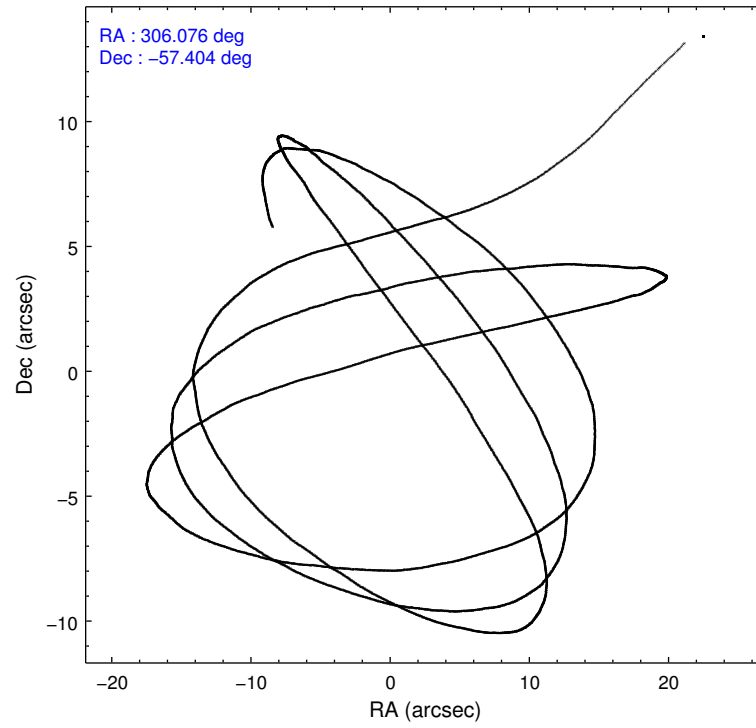
2.1.4 Events

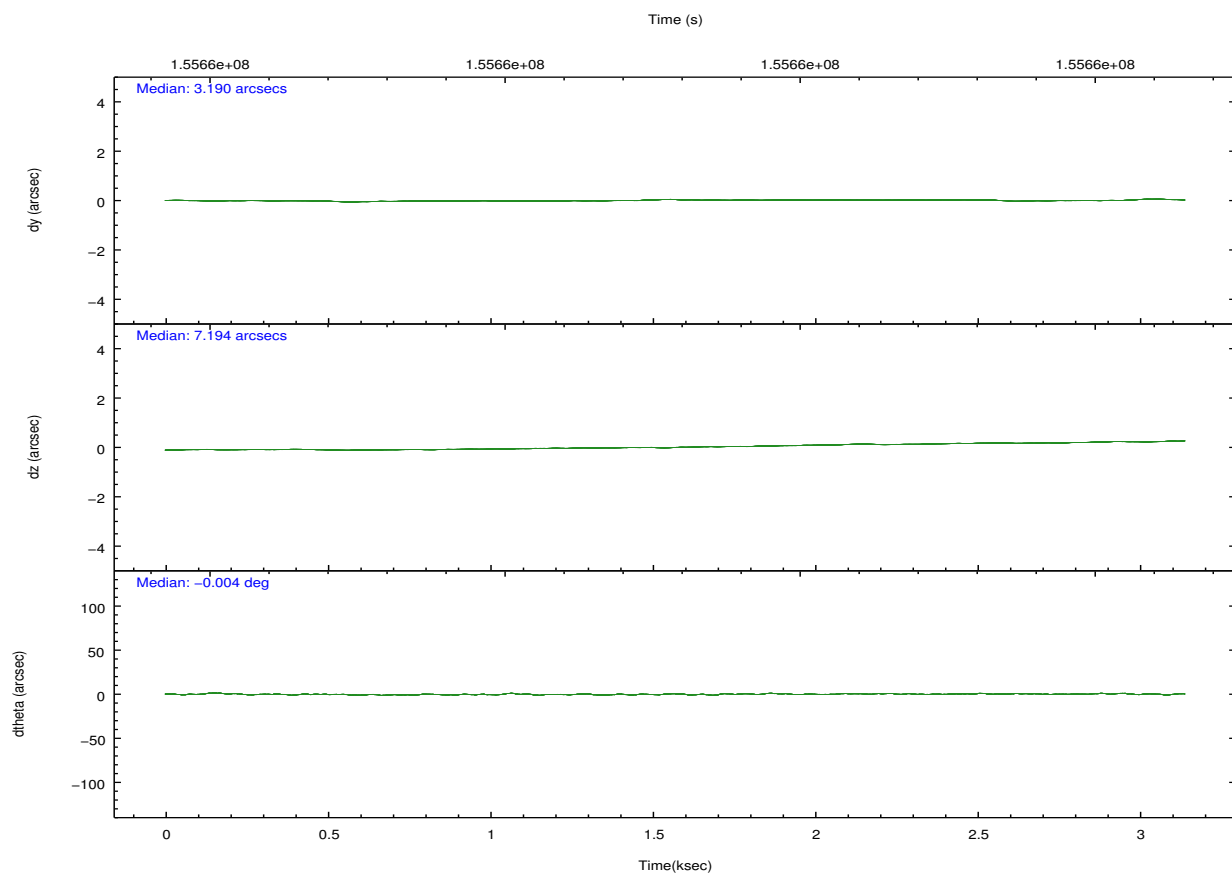
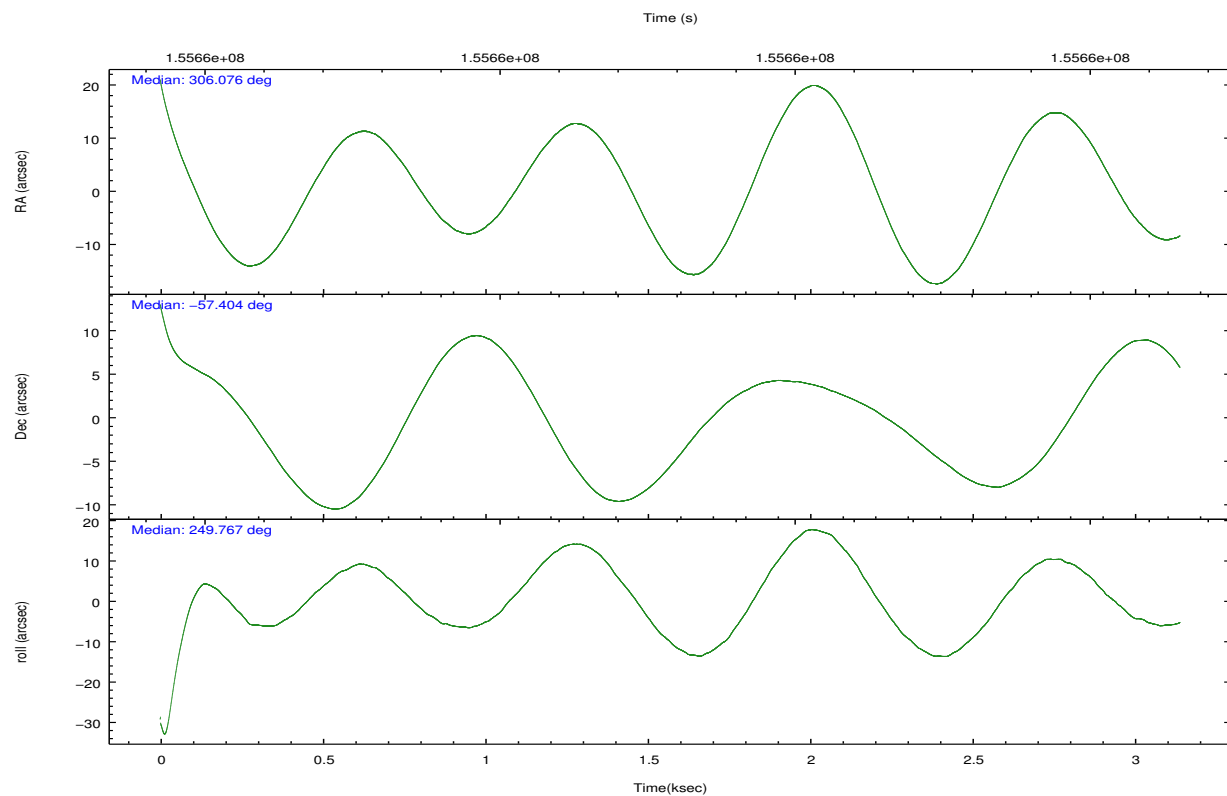
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18979	16360	30622	16274	27607	25559	grade 0 events	933	877	2901	930	1496	1349
rejected events	16878	14402	13889	14125	14131	21177		4%	5%	9%	5%	5%	5%
rejected %	88%	88%	45%	86%	51%	82%	grade 1 events	10	5	88	5	36	22
								0%	0%	0%	0%	0%	0%
							grade 2 events	413	357	4705	410	2693	959
								2%	2%	15%	2%	9%	3%
							grade 3 events	212	198	759	196	1173	411
								1%	1%	2%	1%	4%	1%
							grade 4 events	191	208	740	213	1188	377
								1%	1%	2%	1%	4%	1%
							grade 5 events	628	750	2021	748	2271	974
								3%	4%	6%	4%	8%	3%
							grade 6 events	355	319	7638	404	6935	1287
								1%	1%	24%	2%	25%	5%
							grade 7 events	16237	13646	11770	13368	11815	20180
								85%	83%	38%	82%	42%	78%

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	306.067110	306.07627370137	Subarray requested	NONE	NONE
[deg] Pointing Dec	-57.377015	-57.4036414147423	Alternating exposures requested	N	N
[deg] Pointing Roll	249.606934	249.771017937534	[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)	155661145.184000	155660008.65435			
Observation start date	2002-12-07T15:11:21	2002-12-07T14:53:28			
[s] Observation end time (MET)	155664145.184000	155664466.37954			
Observation end date	2002-12-07T16:01:21	2002-12-07T16:07:46			
Read mode	TIMED	TIMED			

2.3 Aspect



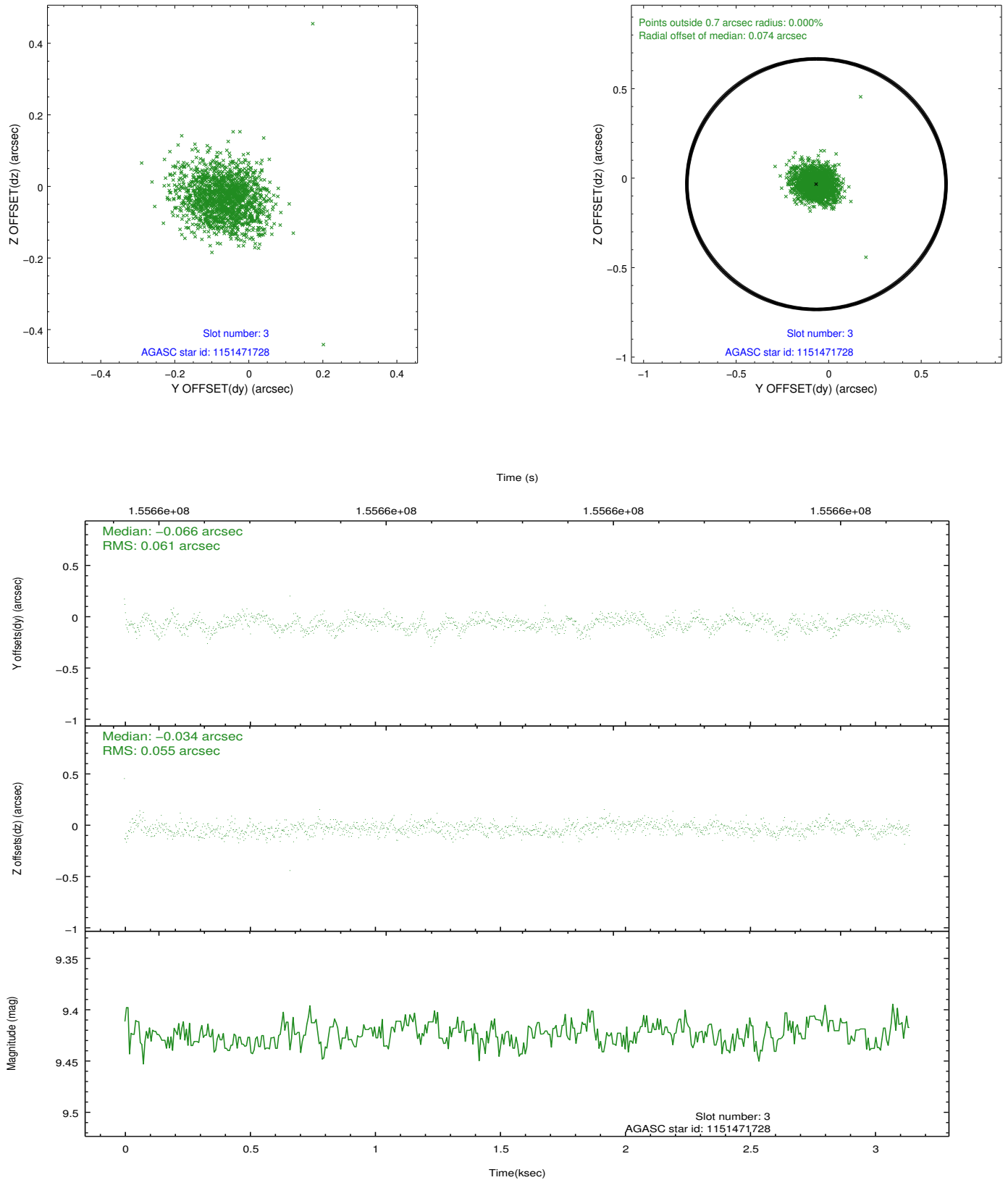


Slot Statistics

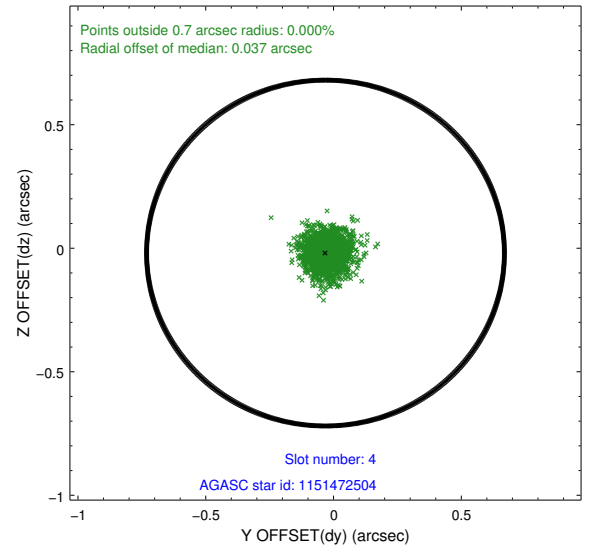
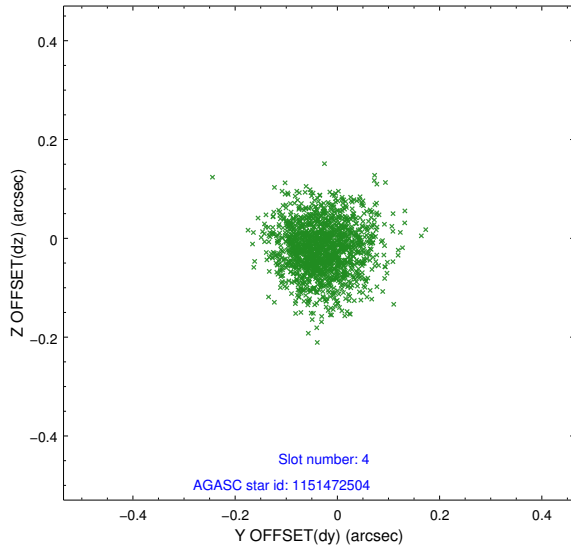
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	767	-0.022	-0.010	0.006	0.011	0.000000	0.000000	-755.86	-1728.41
1	FID	ACIS-S-4	7.20	766	0.011	0.009	0.006	0.010	0.000000	0.000000	2156.53	178.00
2	FID	ACIS-S-6	7.35	766	-0.018	0.009	0.007	0.013	0.000000	0.000000	408.74	817.70
3	GUIDE	1151471728	9.42	1532	-0.066	-0.034	0.086	0.139	304.845484	-57.491931	1231.30	-2063.91
4	GUIDE	1151472504	9.07	1532	-0.031	-0.020	0.075	0.124	305.838734	-57.131508	-671.46	-727.63
5	GUIDE	1151482624	8.49	1533	-0.066	-0.108	0.110	0.169	306.549038	-56.774152	-2362.93	134.97
6	GUIDE	1151469440	9.82	1532	0.162	0.106	0.127	0.211	306.639054	-58.108116	2090.73	1938.37
7	GUIDE	1153182688	8.81	1532	-0.015	0.065	0.083	0.133	306.975631	-57.644814	306.27	1981.61

2.4 Star Slots

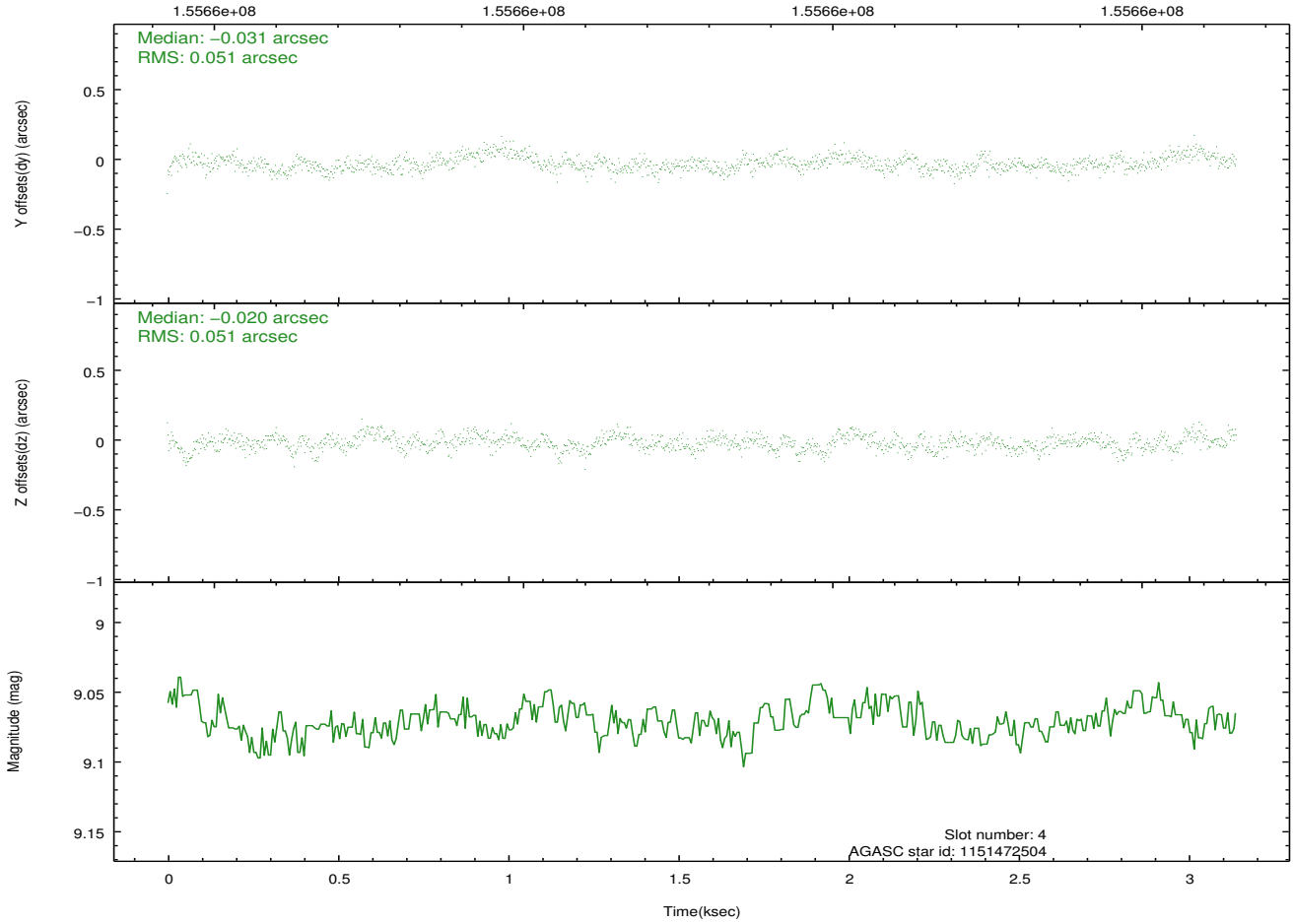
2.4.1 Slot 3



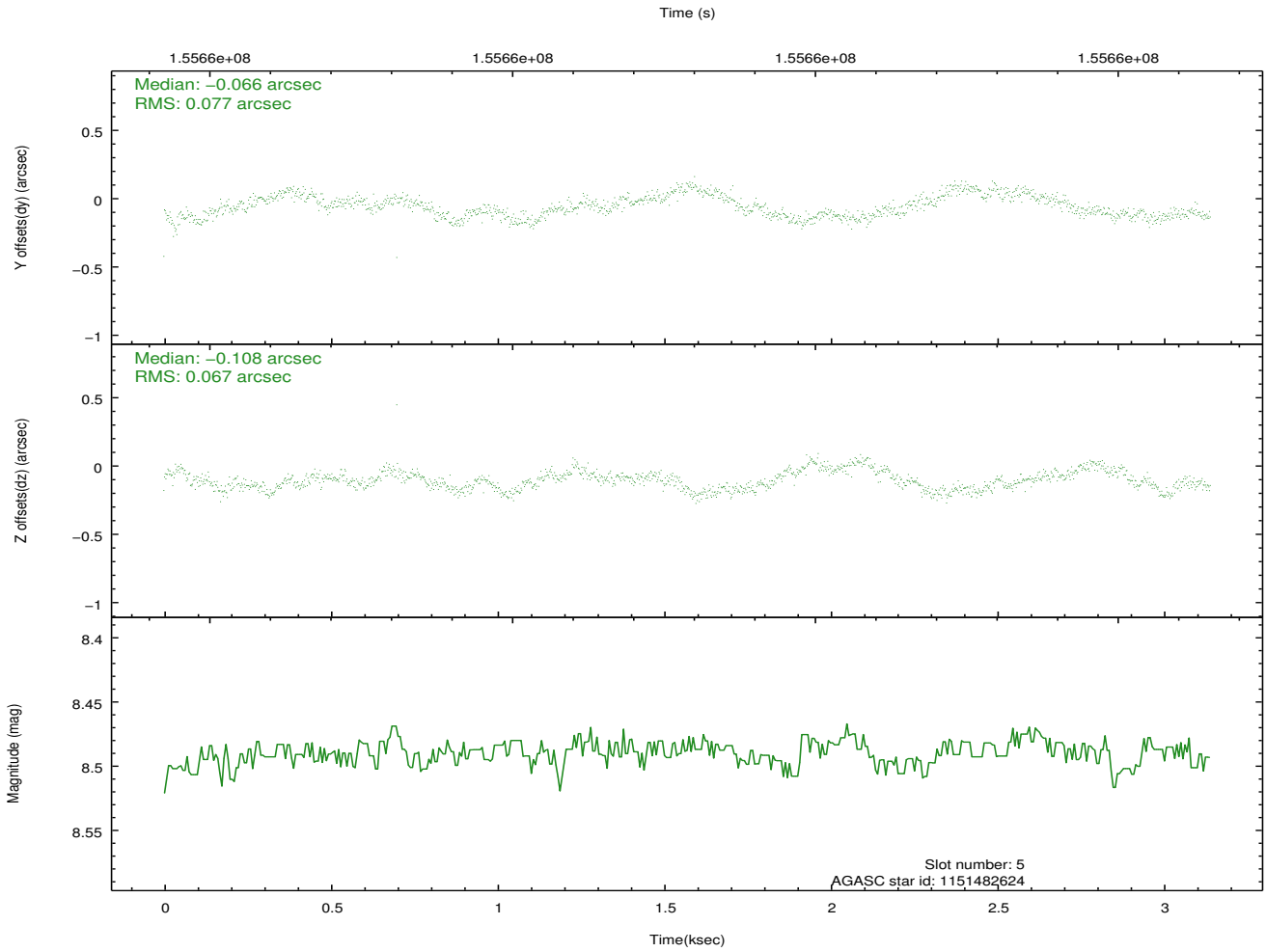
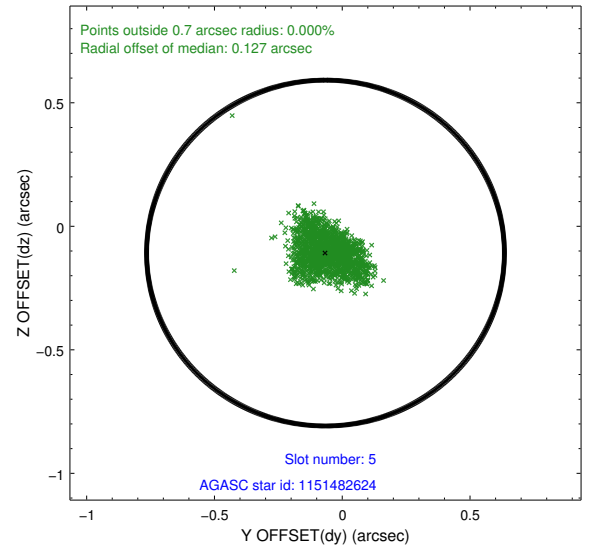
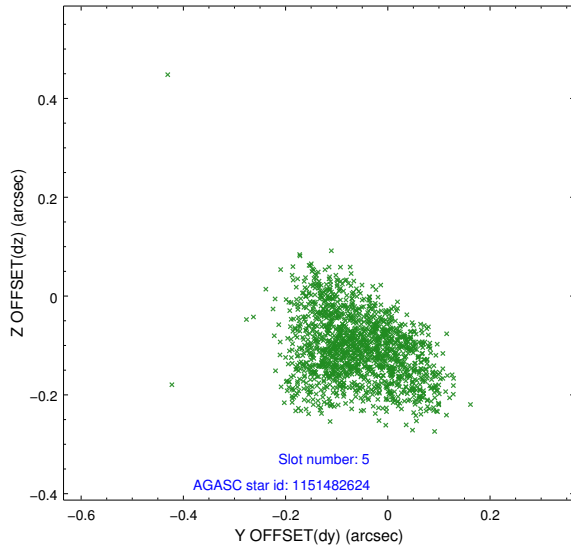
2.4.2 Slot 4



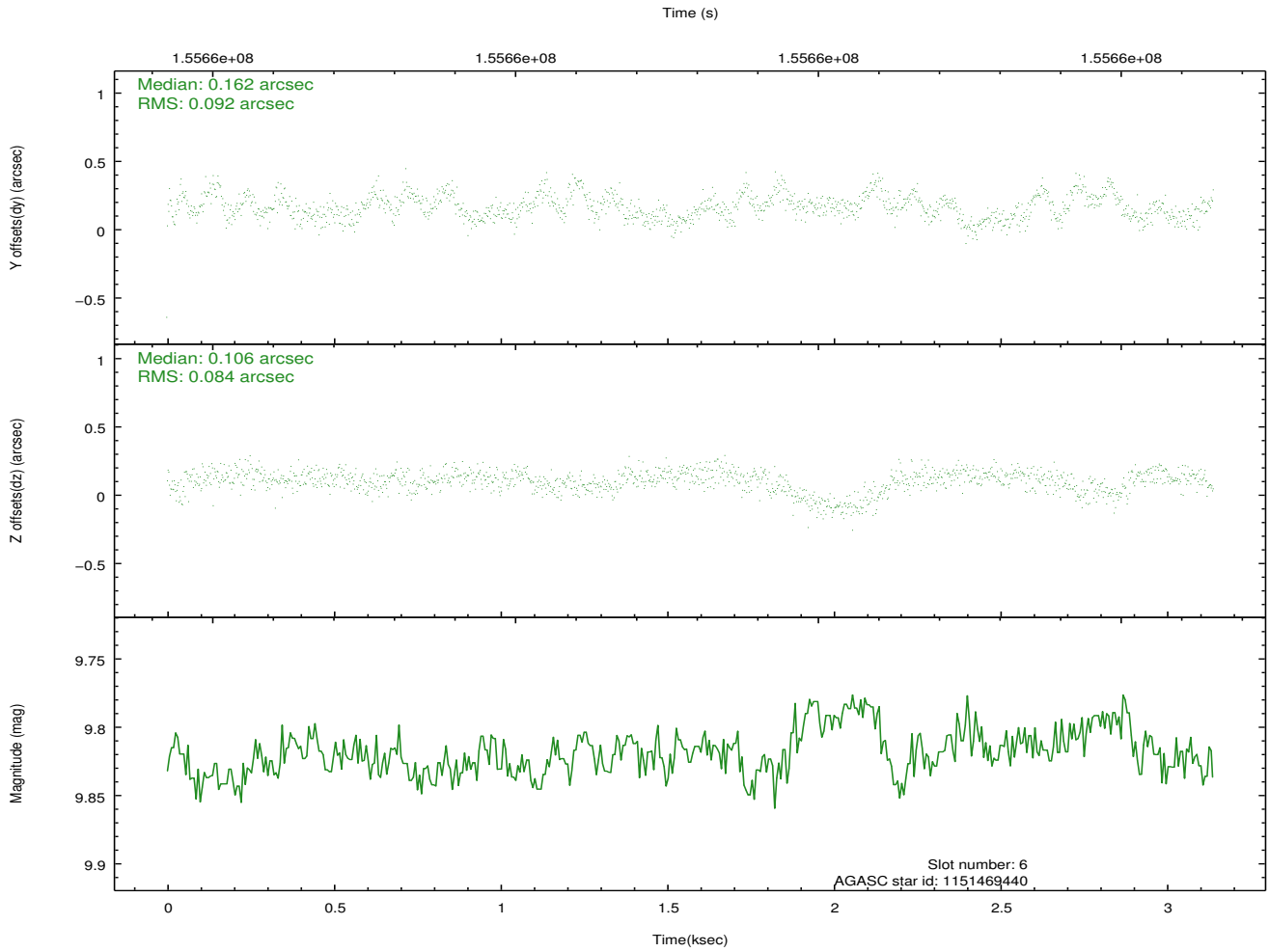
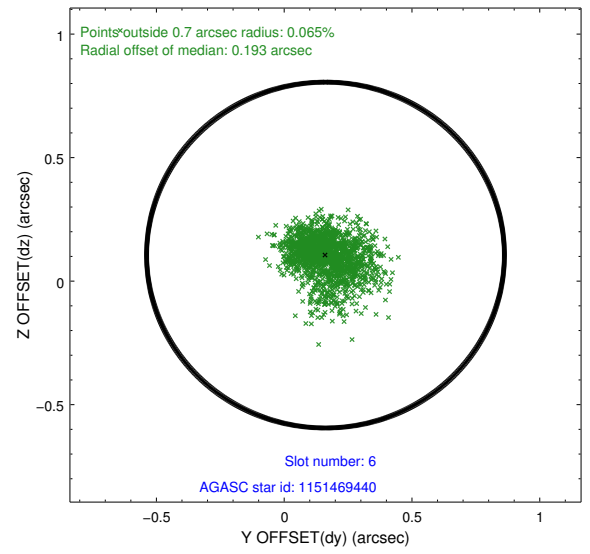
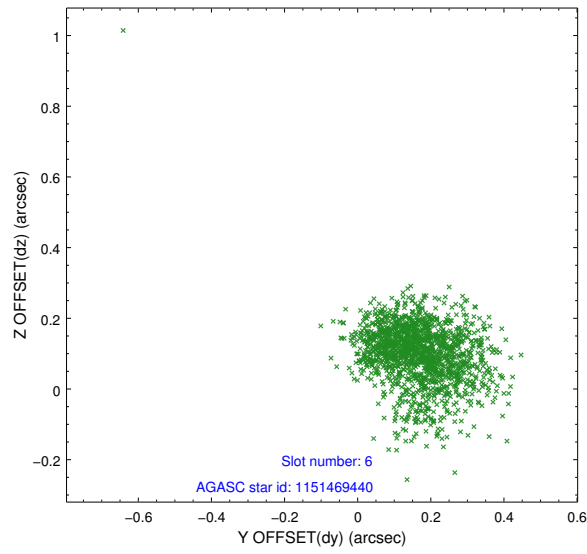
Time (s)



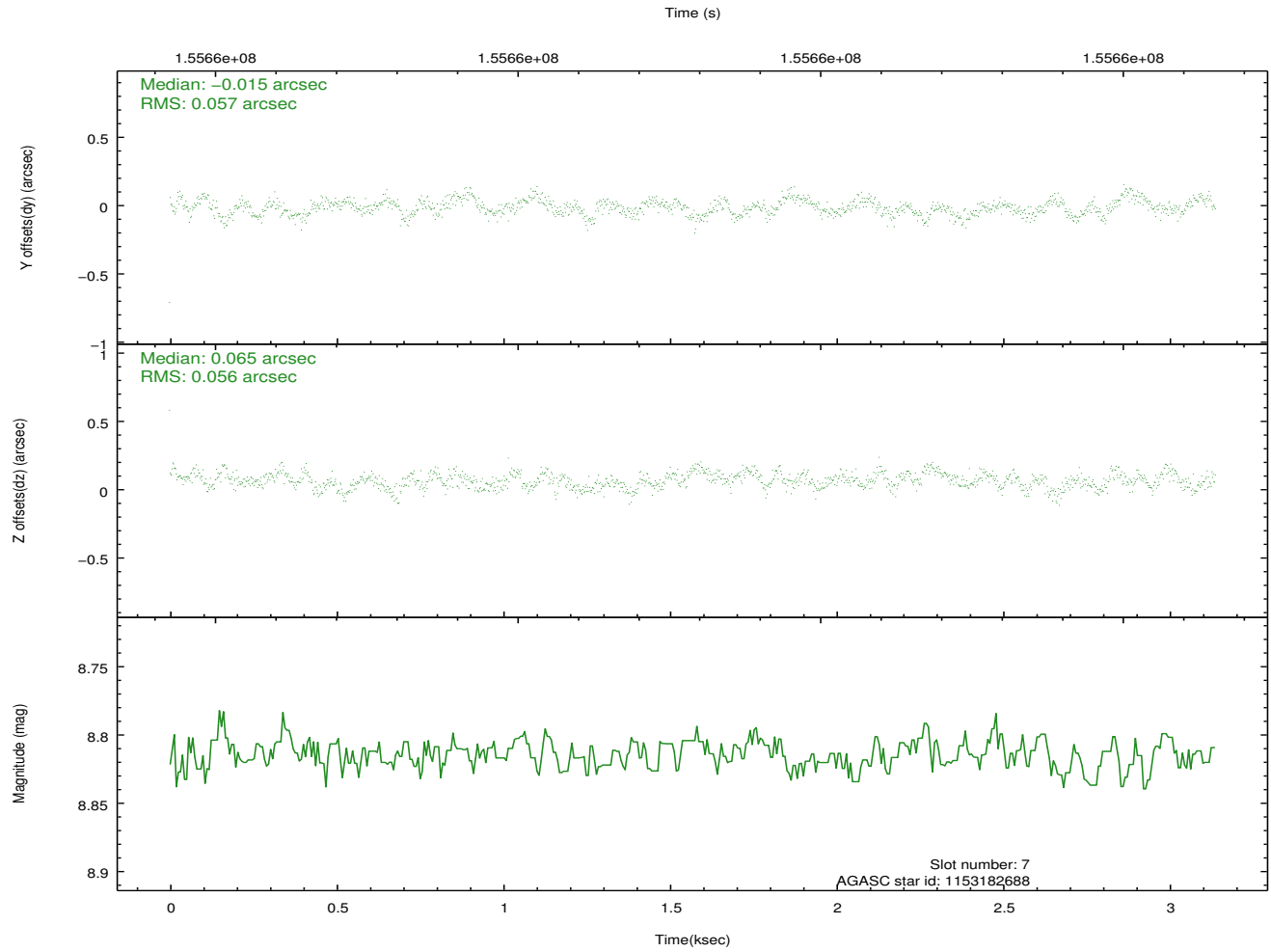
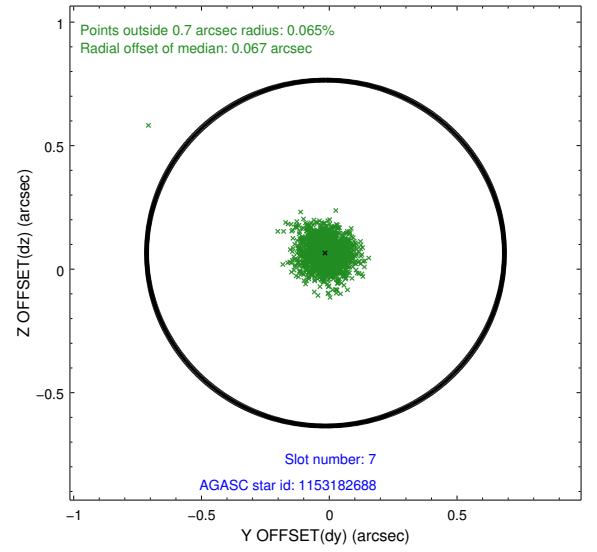
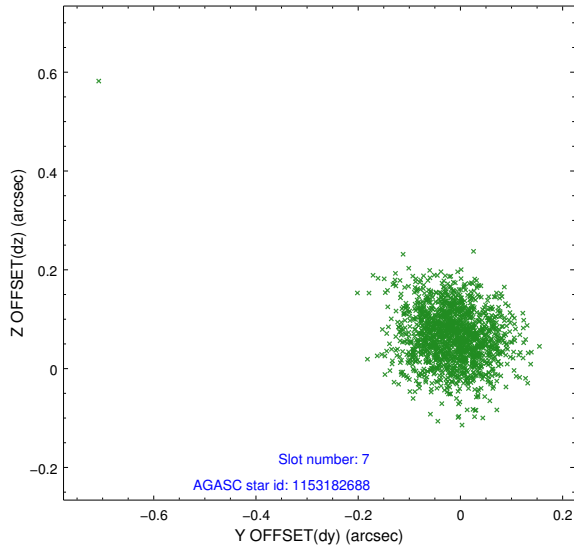
2.4.3 Slot 5



2.4.4 Slot 6

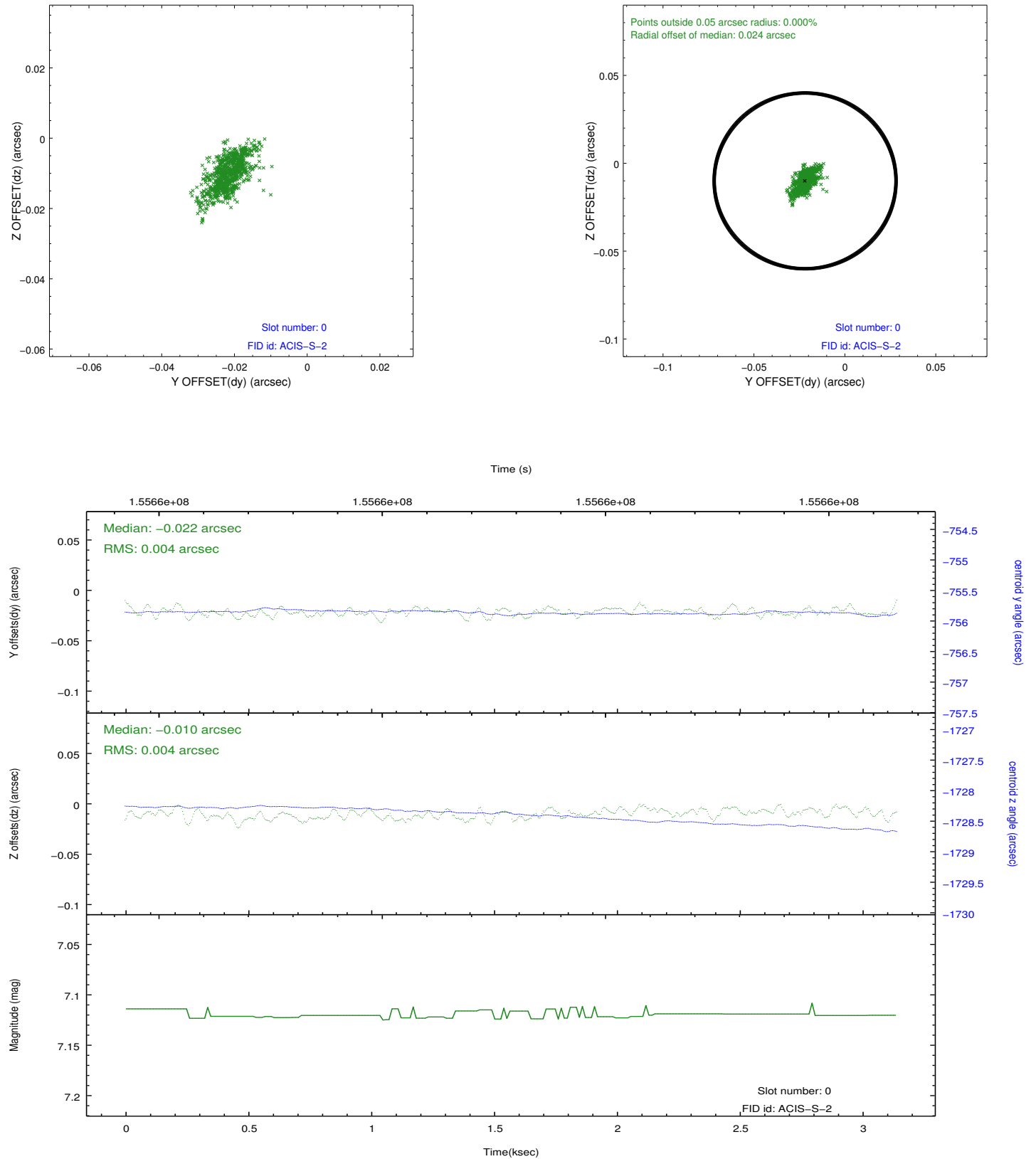


2.4.5 Slot 7

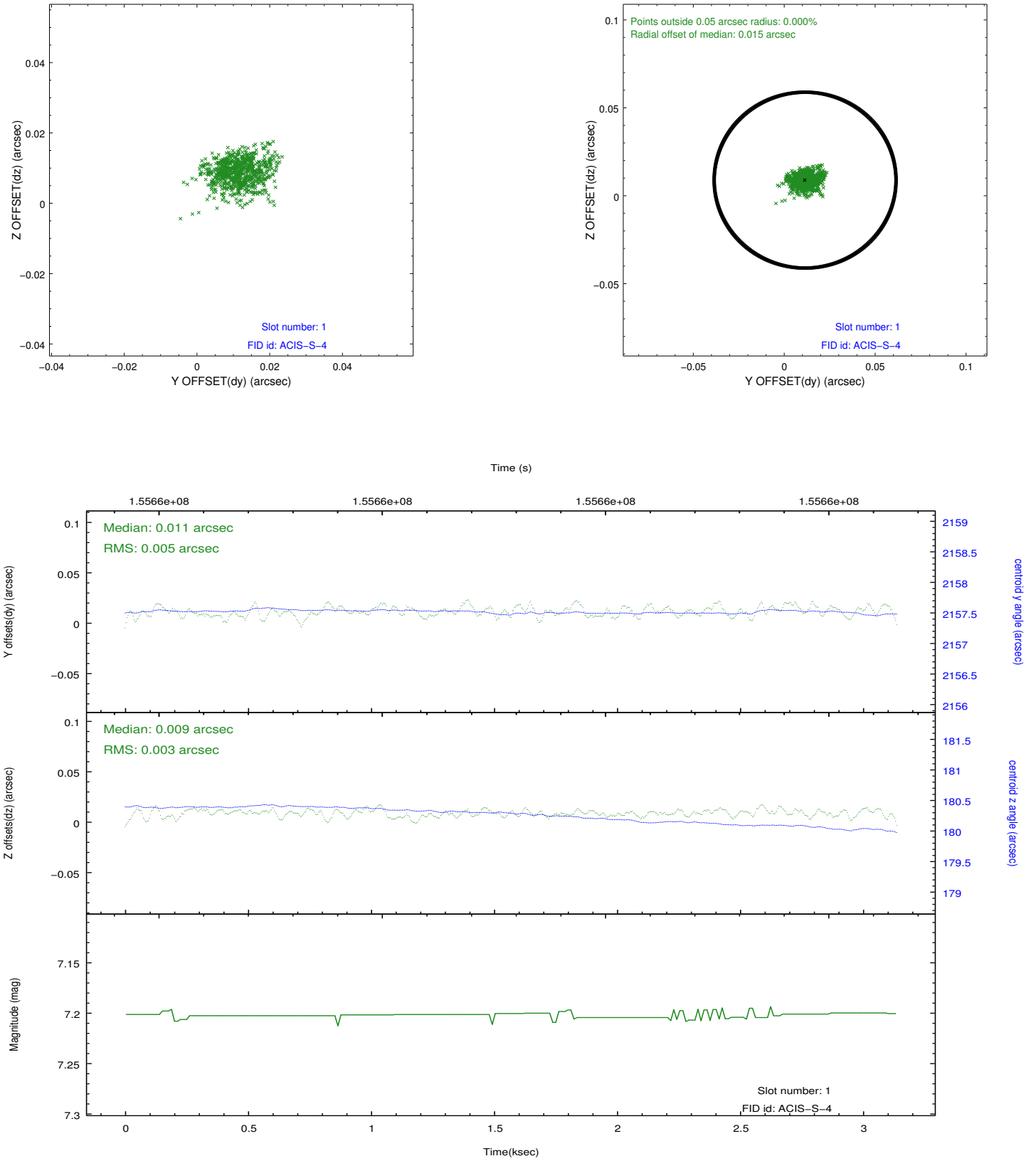


2.5 FID Slots

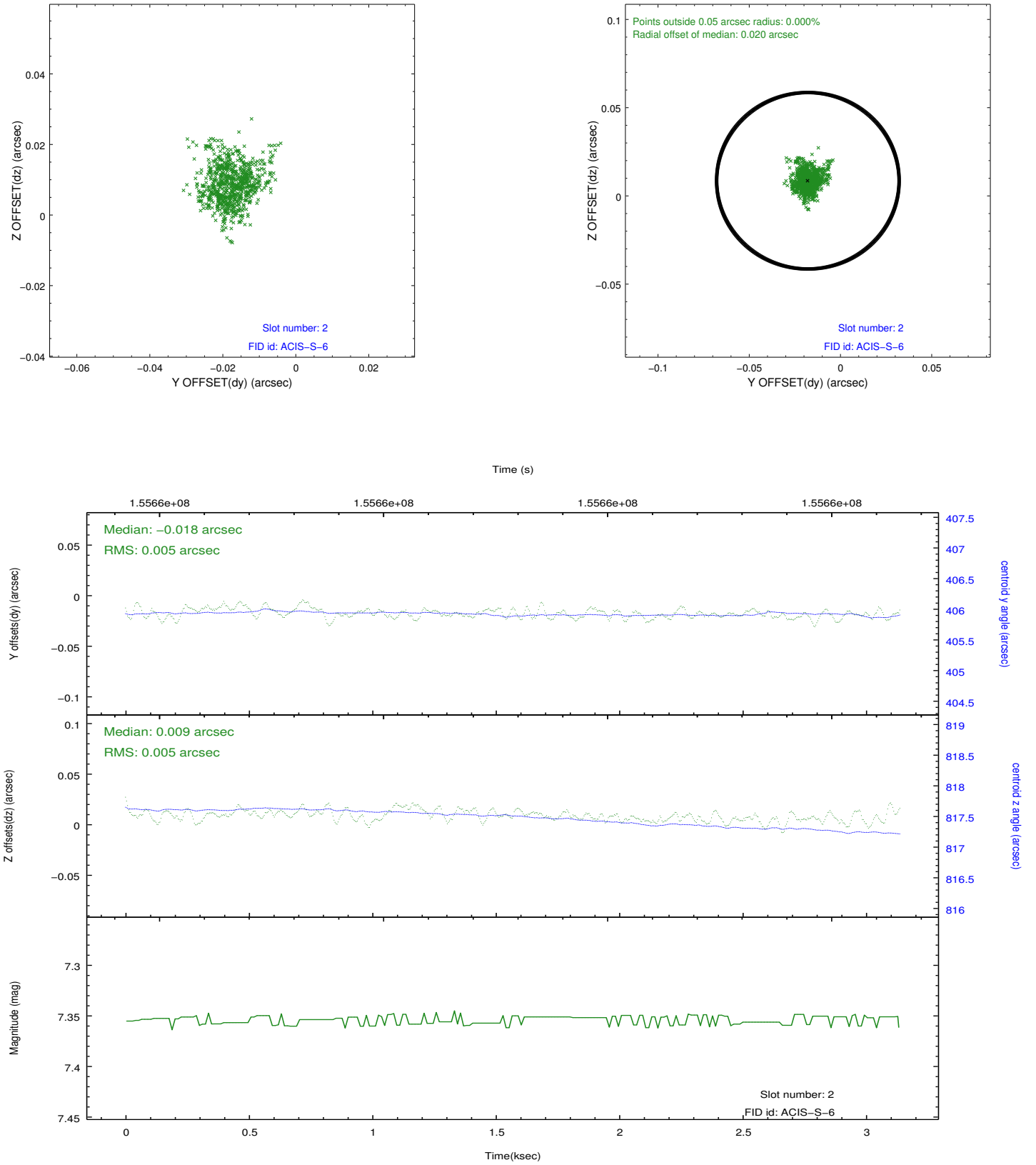
2.5.1 Slot 0



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)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.752

A.2 Comments