

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1692 - L2 Version 3
Chandra X-Ray Center

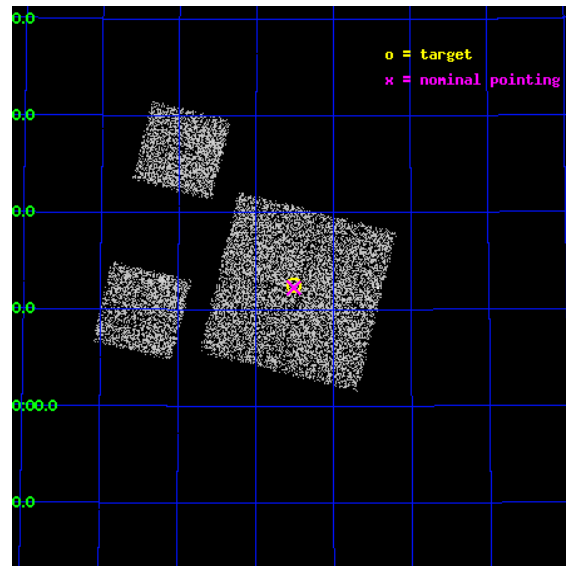
L2 Processing Date : Sep 20 2012

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1 Front

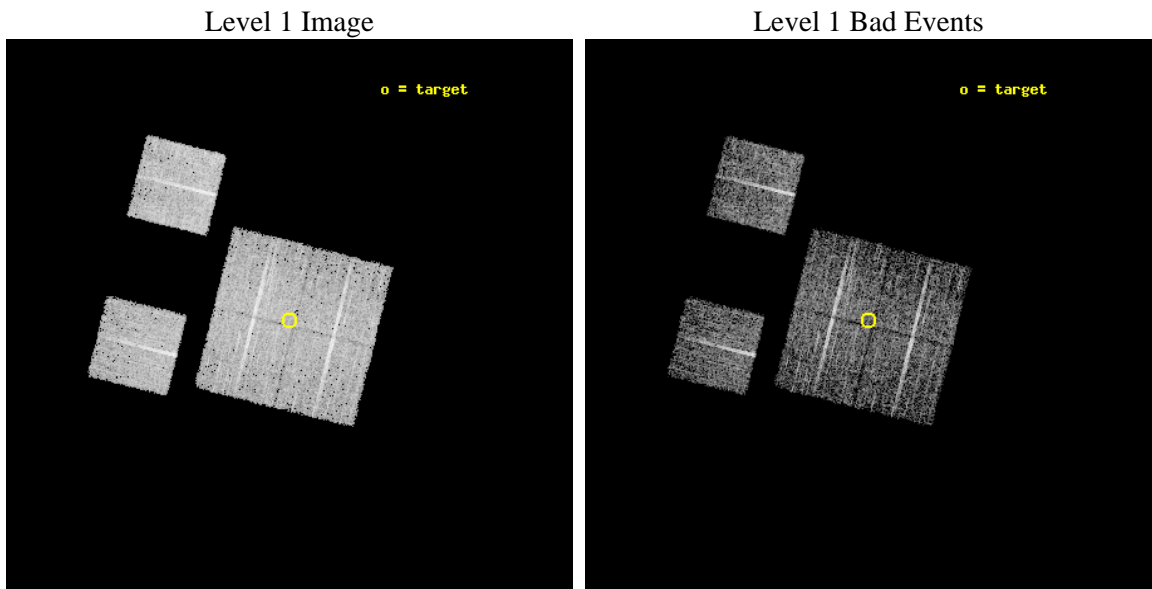
seq_num	900051	Sequence number
obs_id	1692	Observation id
title	LOCKMAN HOLE SHALLOW SURVEY	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	LOCKMAN HOLE #8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.129167	Observer's specified target RA [deg]
dec_targ	57.208889	Observer's specified target Dec [deg]
ra_nom	164.12793116806	Nominal RA [deg]
dec_nom	57.204270381487	Nominal Dec [deg]
roll_nom	284.02277155483	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4758.4000044167	Sum of GTIs [s]
livetime	4698.1462783963	Livetime [s]
ontime0	4758.4000044167	Sum of GTIs [s]
ontime1	4755.1590441763	Sum of GTIs [s]
ontime2	4758.4000044167	Sum of GTIs [s]
ontime3	4758.4000044167	Sum of GTIs [s]
ontime6	4758.4000044167	Sum of GTIs [s]
ontime8	4758.4000044167	Sum of GTIs [s]
l2events	18215	Number of level 2 events



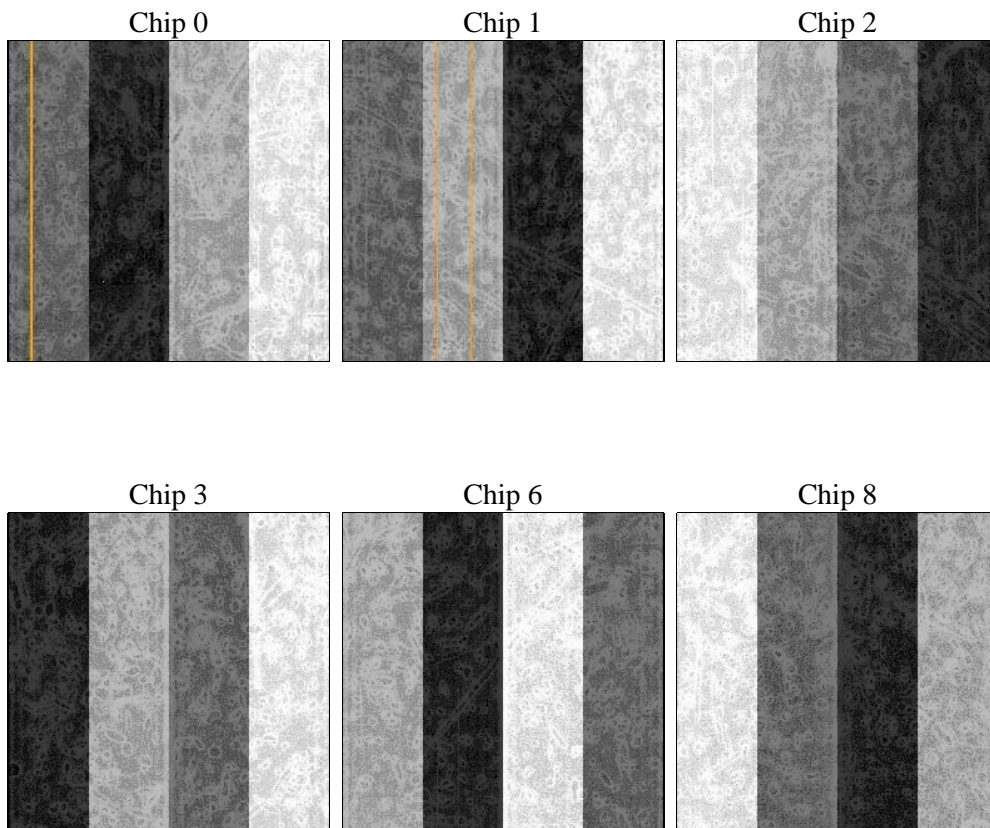
2 OBI

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	8.4.5	Processing system revision	ontime	4758.4000044167	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	4758.4000044167	Sum of GTIs [s]
date	2012-09-20T12:42:25	Date and time of file creation	ontime1	4755.1590441763	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4758.4000044167	Sum of GTIs [s]
			ontime3	4758.4000044167	Sum of GTIs [s]
			ontime6	4758.4000044167	Sum of GTIs [s]
			ontime8	4758.4000044167	Sum of GTIs [s]
			l1events	189120	Number of level 1 events

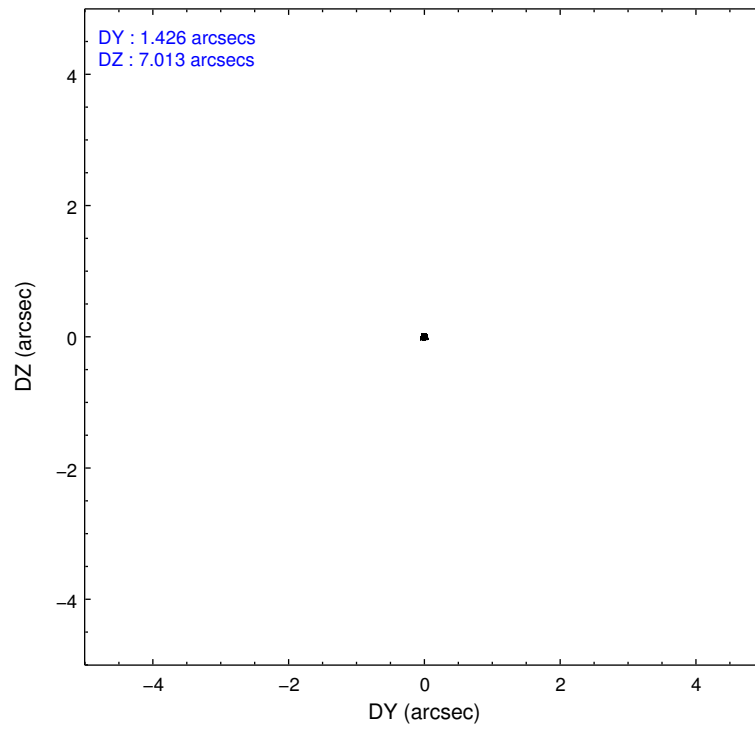
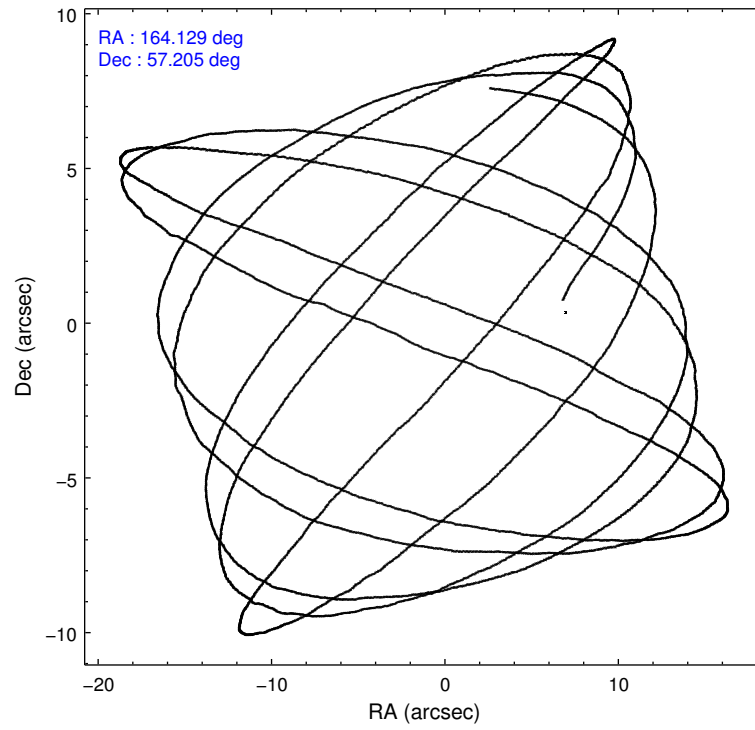
2.1.4 Events

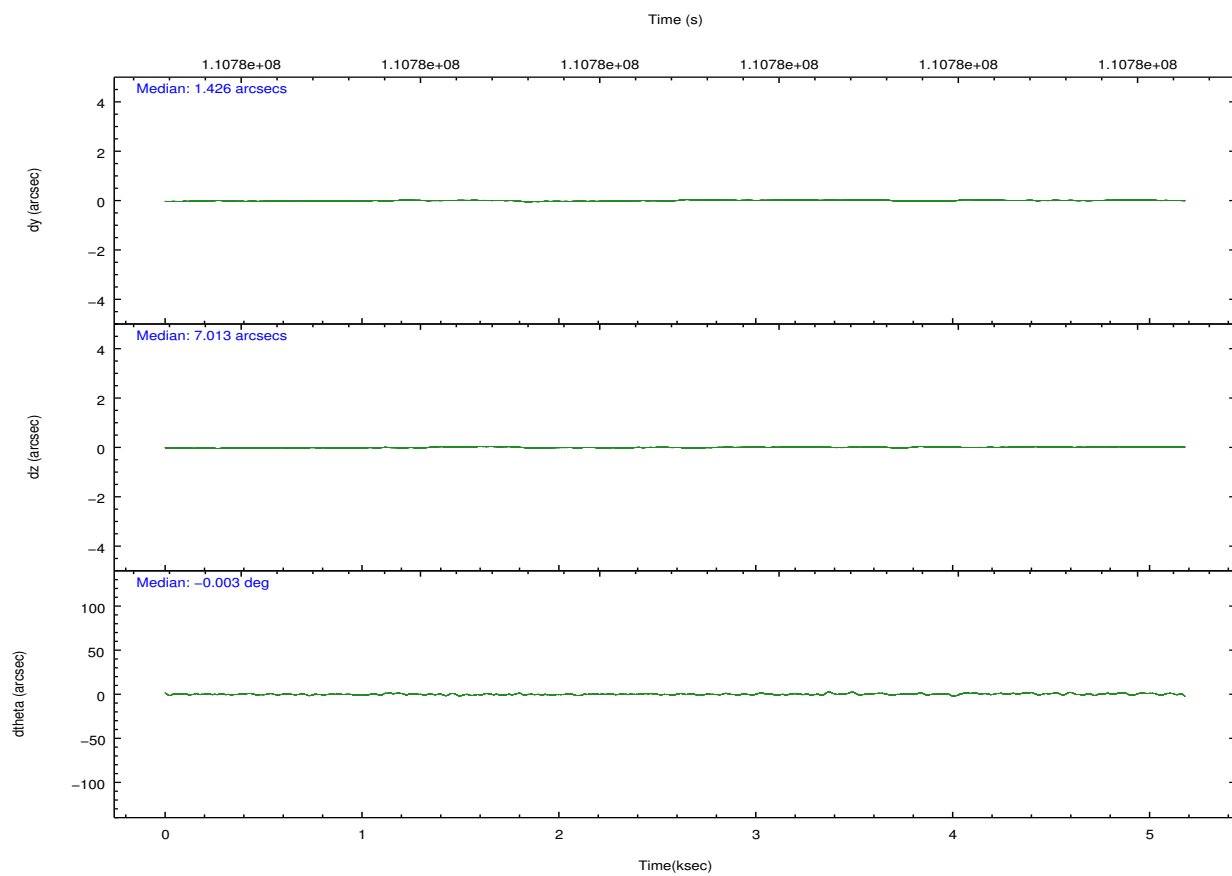
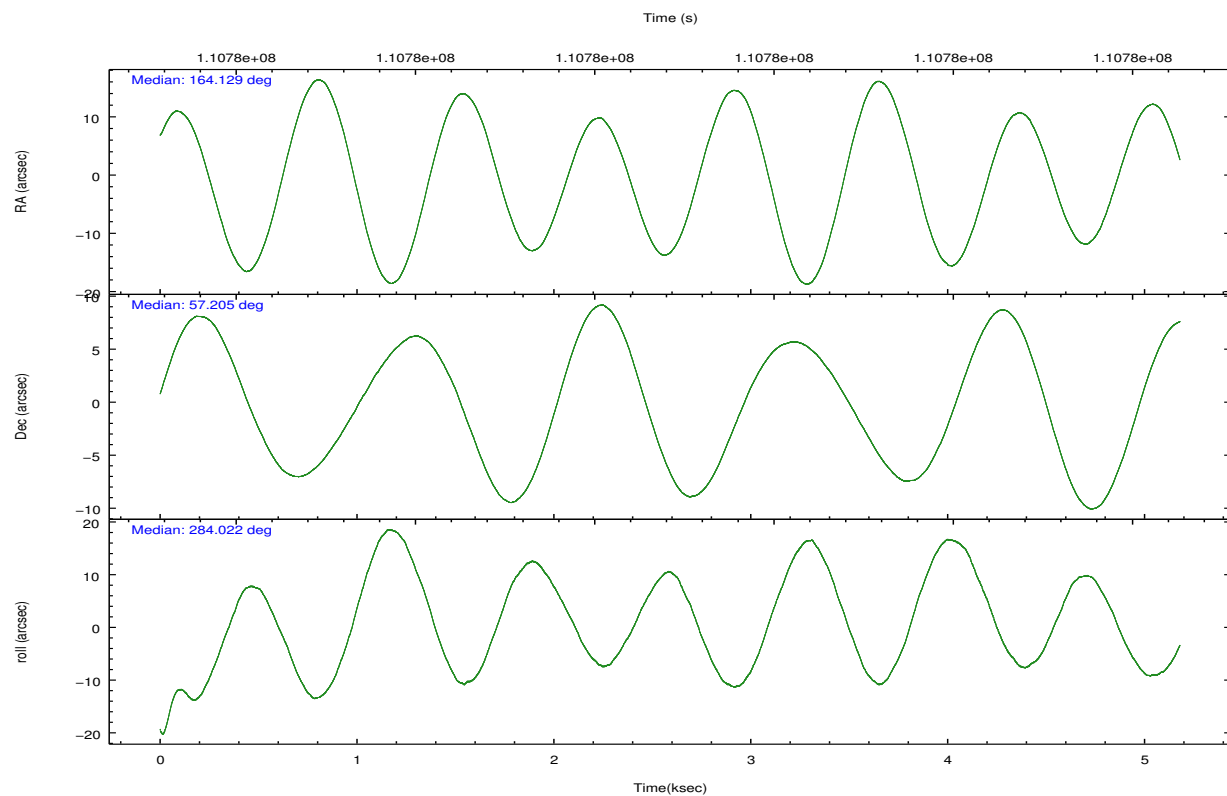
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 8
level 1 events	27527	28076	30574	31806	31336	39801	grade 0 events	1556	1529	1411	1446	1394	2257
rejected events	23925	24447	27156	28293	27915	32592		5%	5%	4%	4%	4%	5%
rejected %	86%	87%	88%	88%	89%	81%	grade 1 events	14	18	12	19	13	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	737	686	745	714	692	1647
								2%	2%	2%	2%	2%	4%
							grade 3 events	395	387	321	333	335	739
								1%	1%	1%	1%	1%	1%
							grade 4 events	318	346	332	369	358	688
								1%	1%	1%	1%	1%	1%
							grade 5 events	1061	1251	999	1216	1256	1657
								3%	4%	3%	3%	4%	4%
							grade 6 events	601	683	615	652	646	1878
								2%	2%	2%	2%	2%	4%
							grade 7 events	22845	23176	26139	27057	26642	30908
								82%	82%	85%	85%	85%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012368	ACIS-012368	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	164.092535	164.1279311680553	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.223915	57.20427038148691	Alternating exposures requested	N	N
[deg] Pointing Roll	283.843847	284.0227715548281	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	110780013.184000	110779637.17413			
Observation start date	2001-07-06T04:12:29	2001-07-06T04:07:17			
[s] Observation end time (MET)	110785013.184000	110785146.54934			
Observation end date	2001-07-06T05:35:49	2001-07-06T05:39:06			
Read mode	TIMED	TIMED			

2.3 Aspect



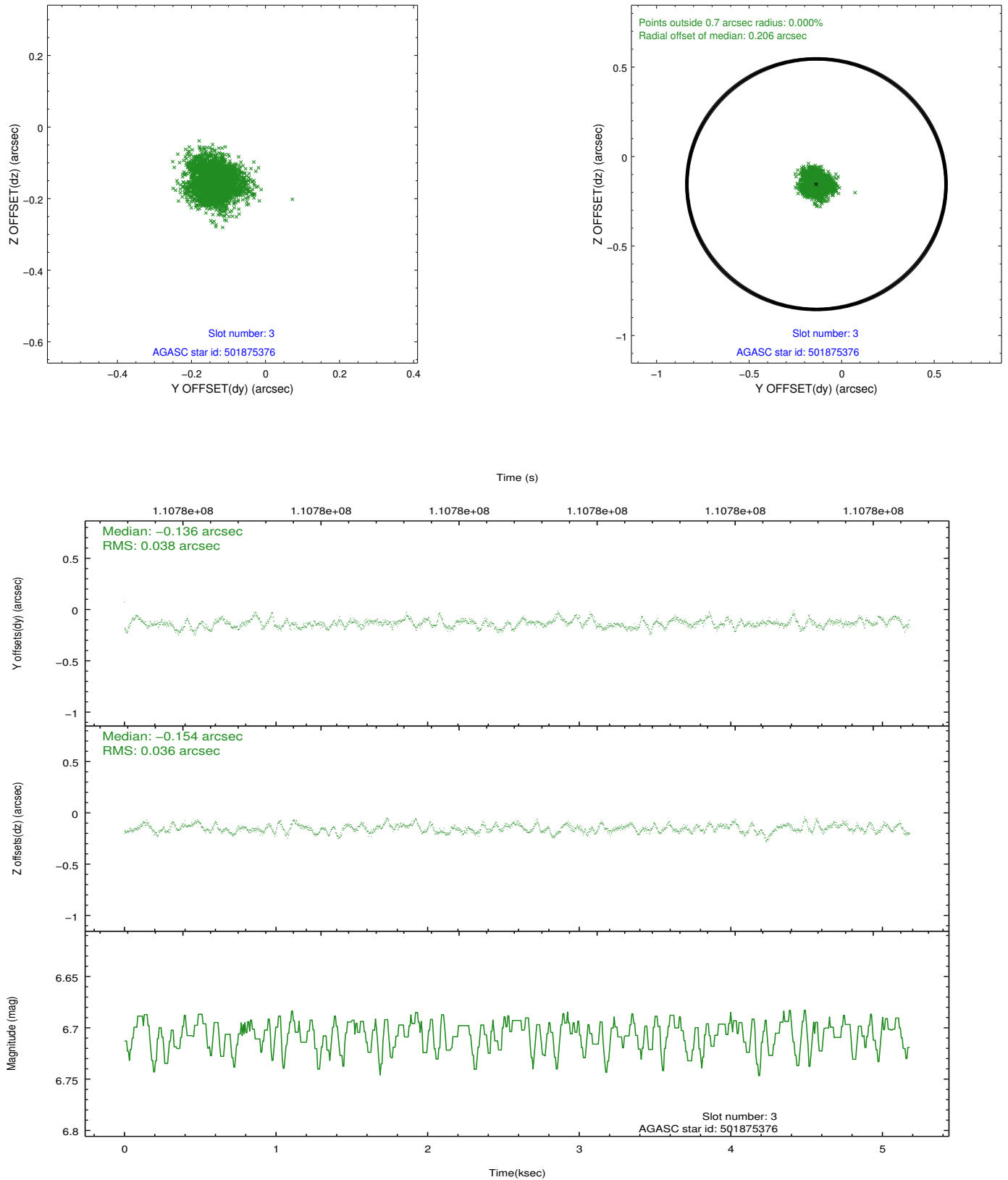


Slot Statistics

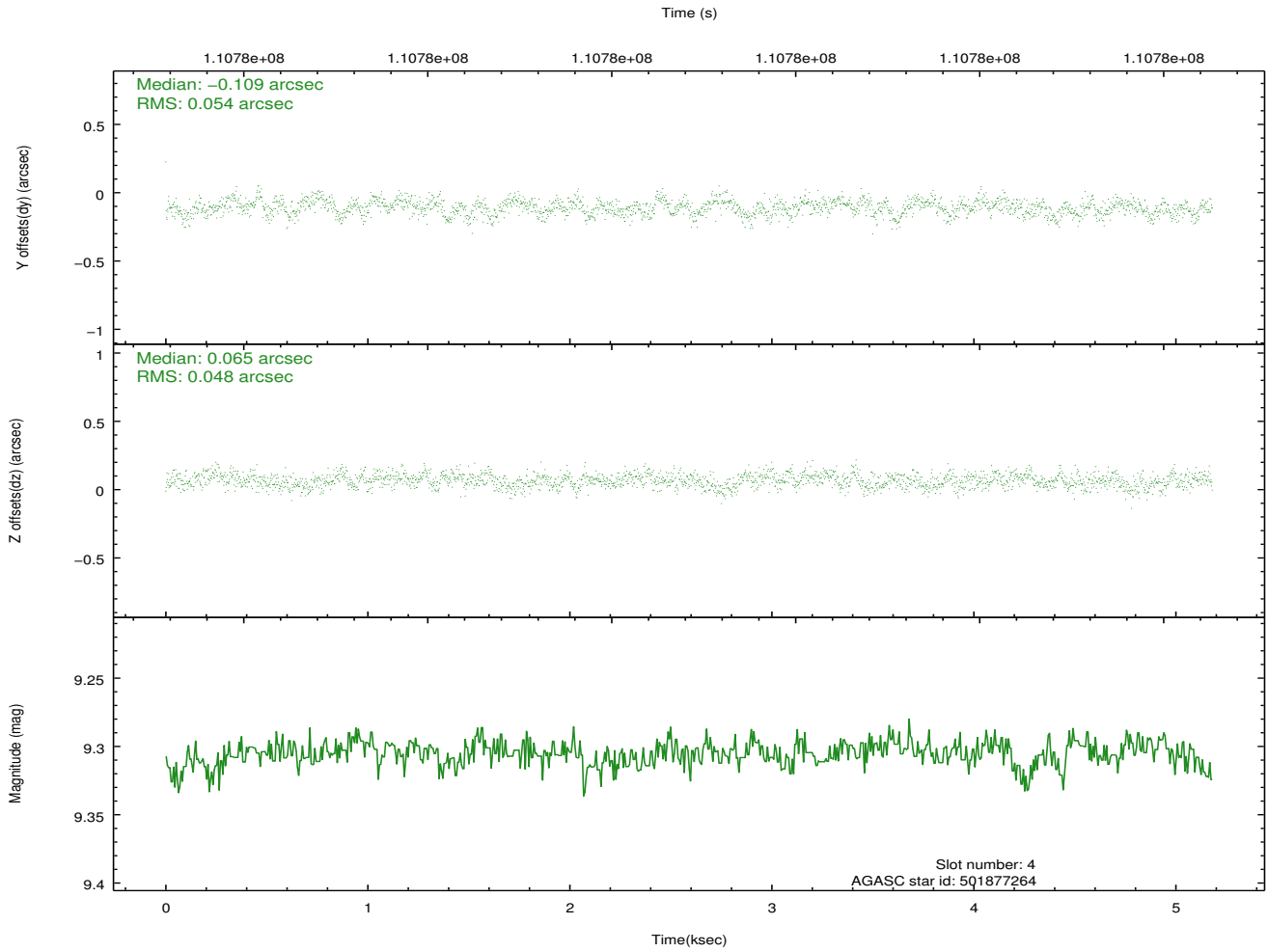
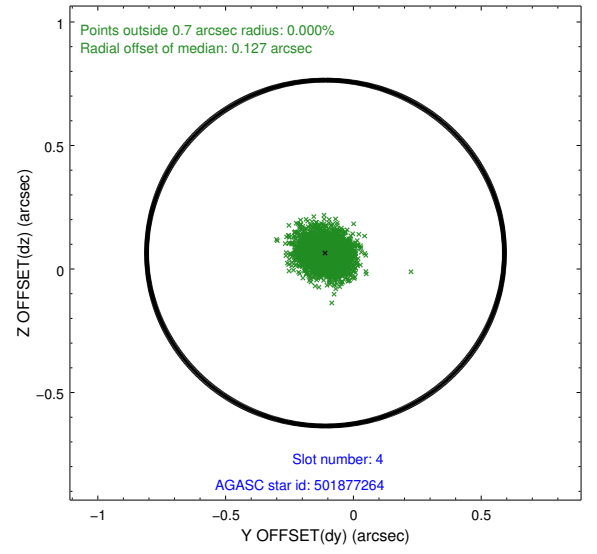
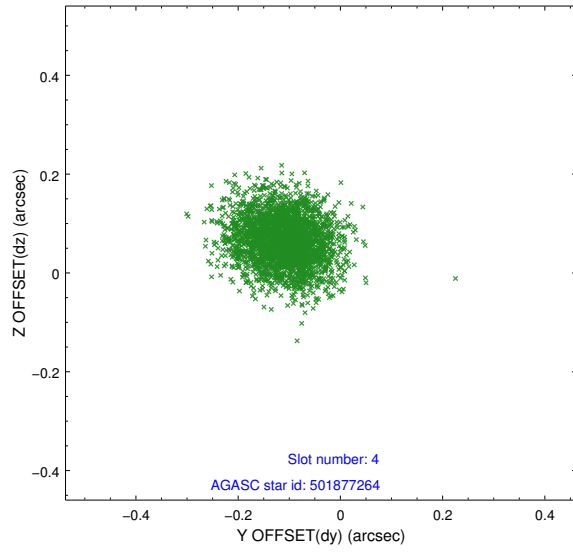
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1263	-0.040	-0.069	0.009	0.014	0.000000	0.000000	-755.79	-836.85
1	FID	ACIS-I-4	7.18	1264	-0.047	0.049	0.007	0.011	0.000000	0.000000	2157.71	1068.89
2	FID	ACIS-I-5	7.23	1264	-0.014	0.089	0.009	0.014	0.000000	0.000000	-1808.11	1068.06
3	GUIDE	501875376	6.71	2528	-0.136	-0.154	0.057	0.089	164.111621	57.502963	-966.00	274.66
4	GUIDE	501877264	9.31	2525	-0.109	0.065	0.077	0.126	163.254394	57.702218	-2067.13	-1152.15
5	GUIDE	501618368	9.64	2526	0.110	0.054	0.091	0.143	164.847681	56.860694	1617.19	1130.35
6	GUIDE	501488296	9.75	2527	0.053	0.011	0.096	0.159	164.354320	57.421227	-567.87	661.93
7	GUIDE	501486512	9.62	2527	0.083	0.023	0.088	0.143	163.579075	56.729186	1483.52	-1411.01

2.4 Star Slots

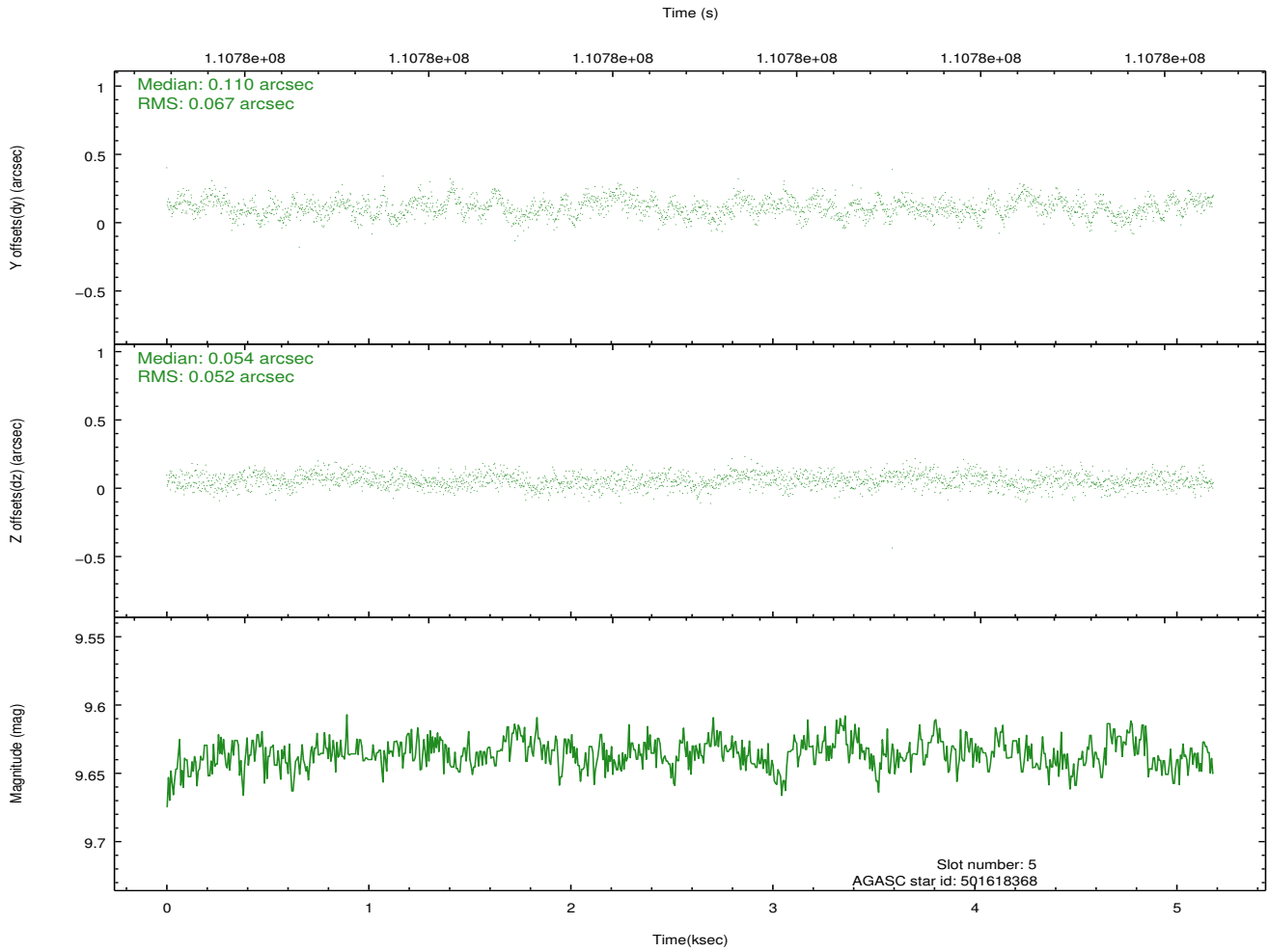
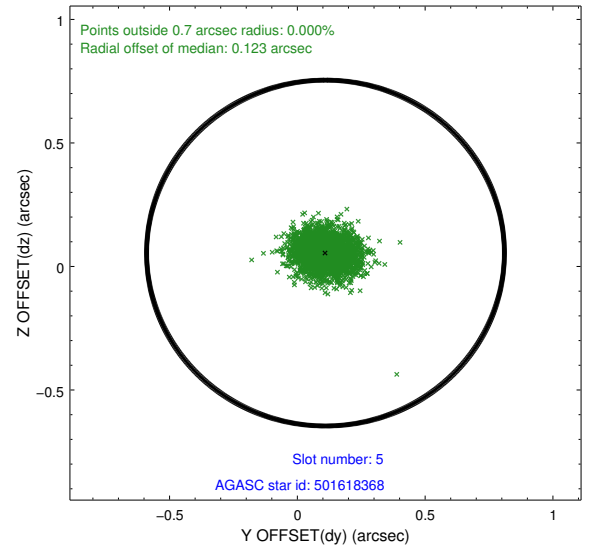
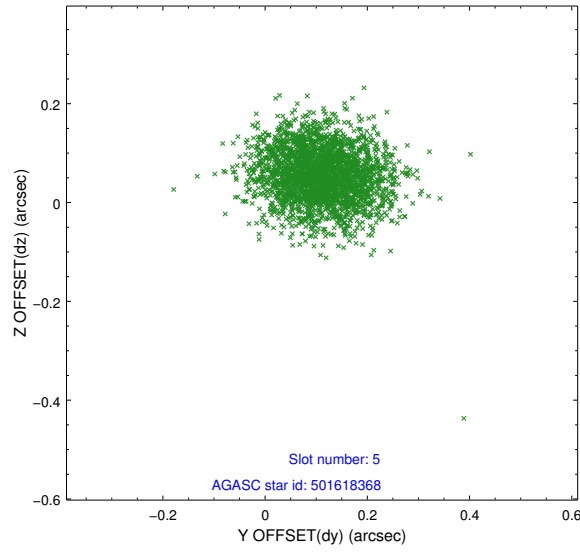
2.4.1 Slot 3



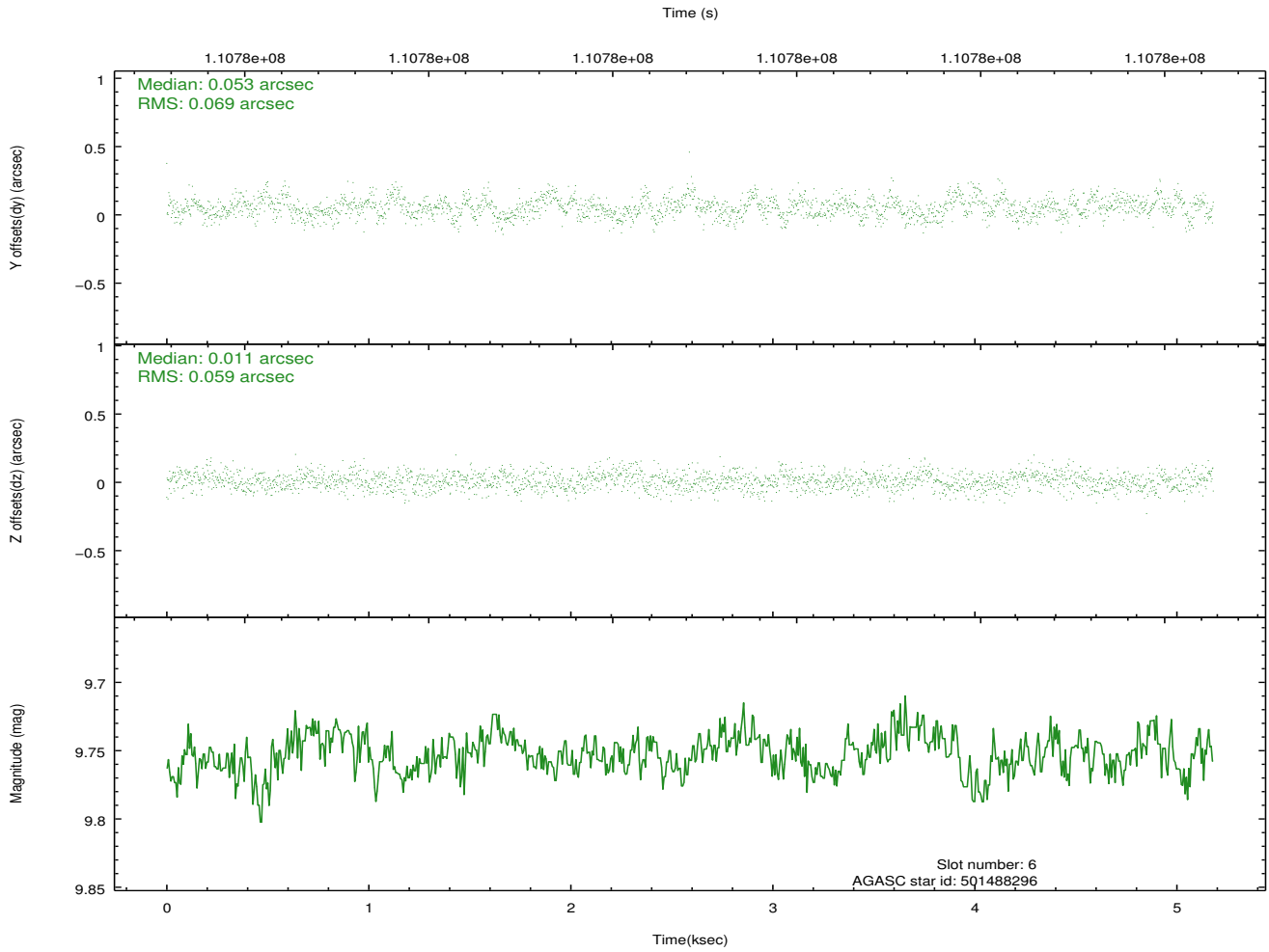
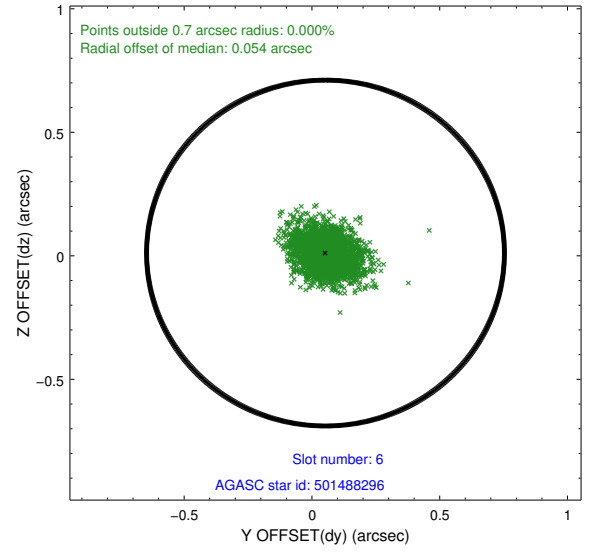
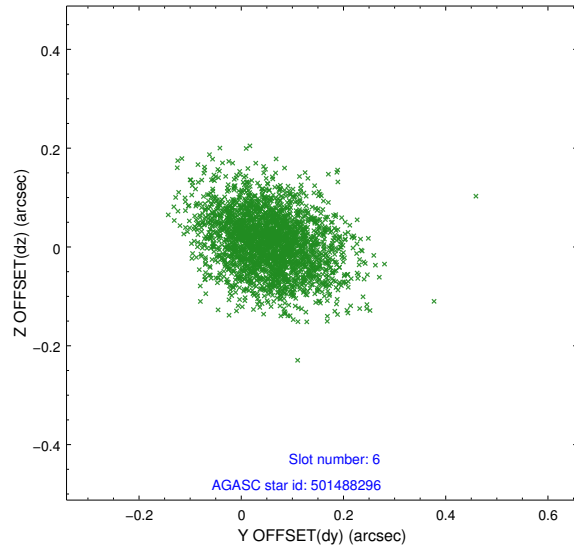
2.4.2 Slot 4



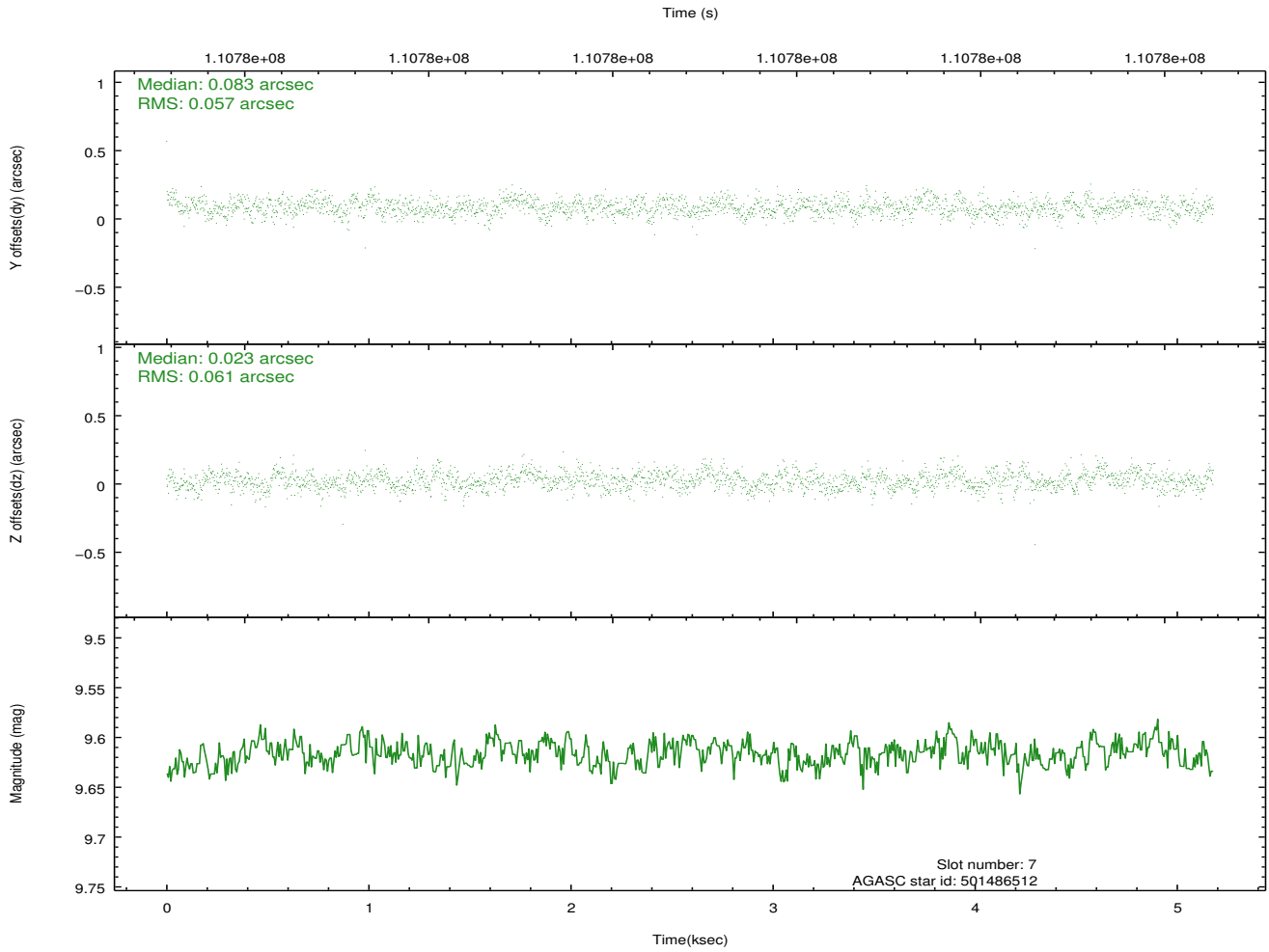
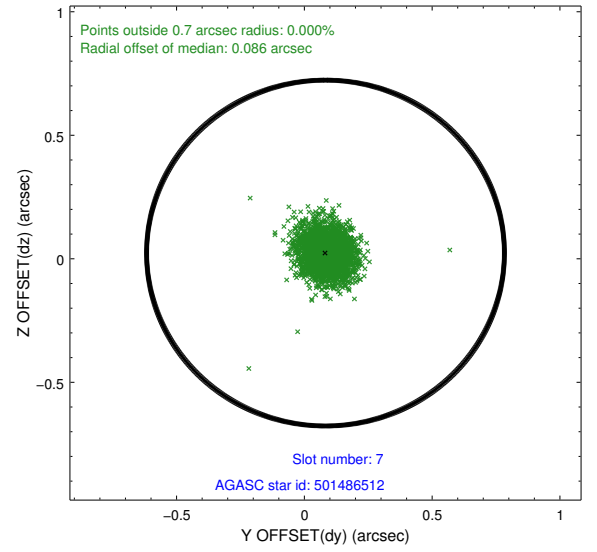
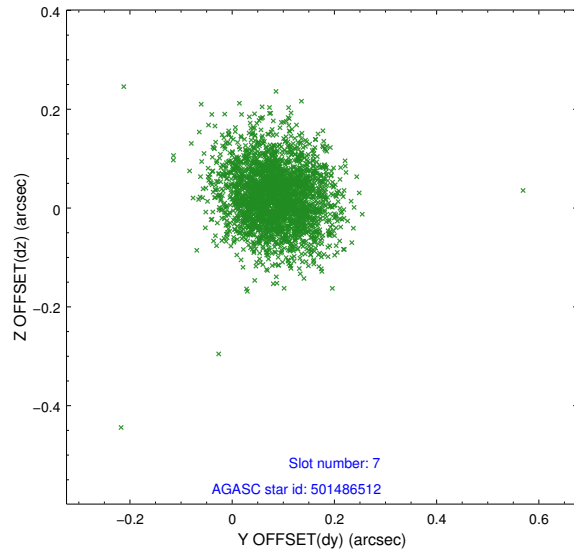
2.4.3 Slot 5



2.4.4 Slot 6

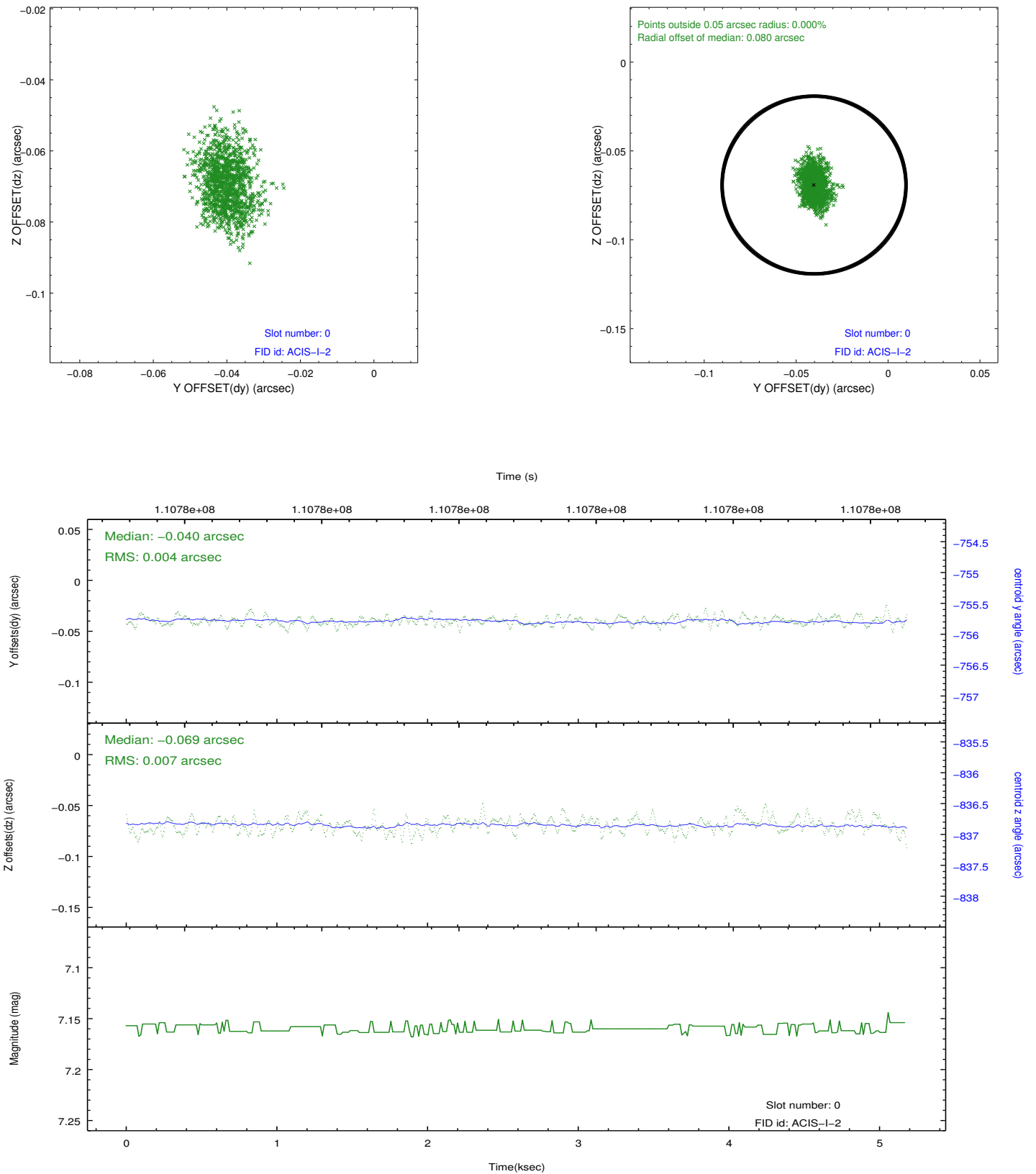


2.4.5 Slot 7

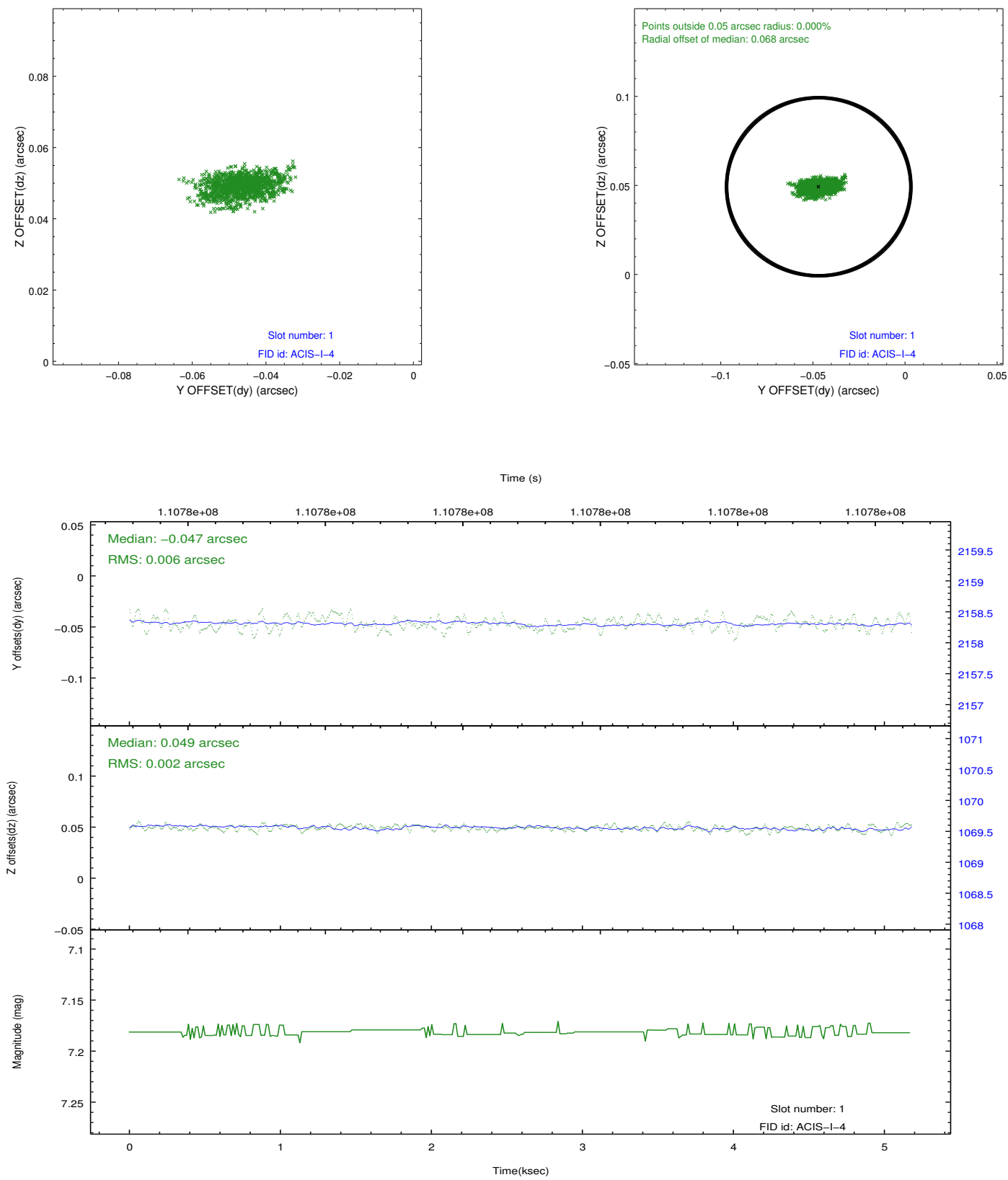


2.5 FID Slots

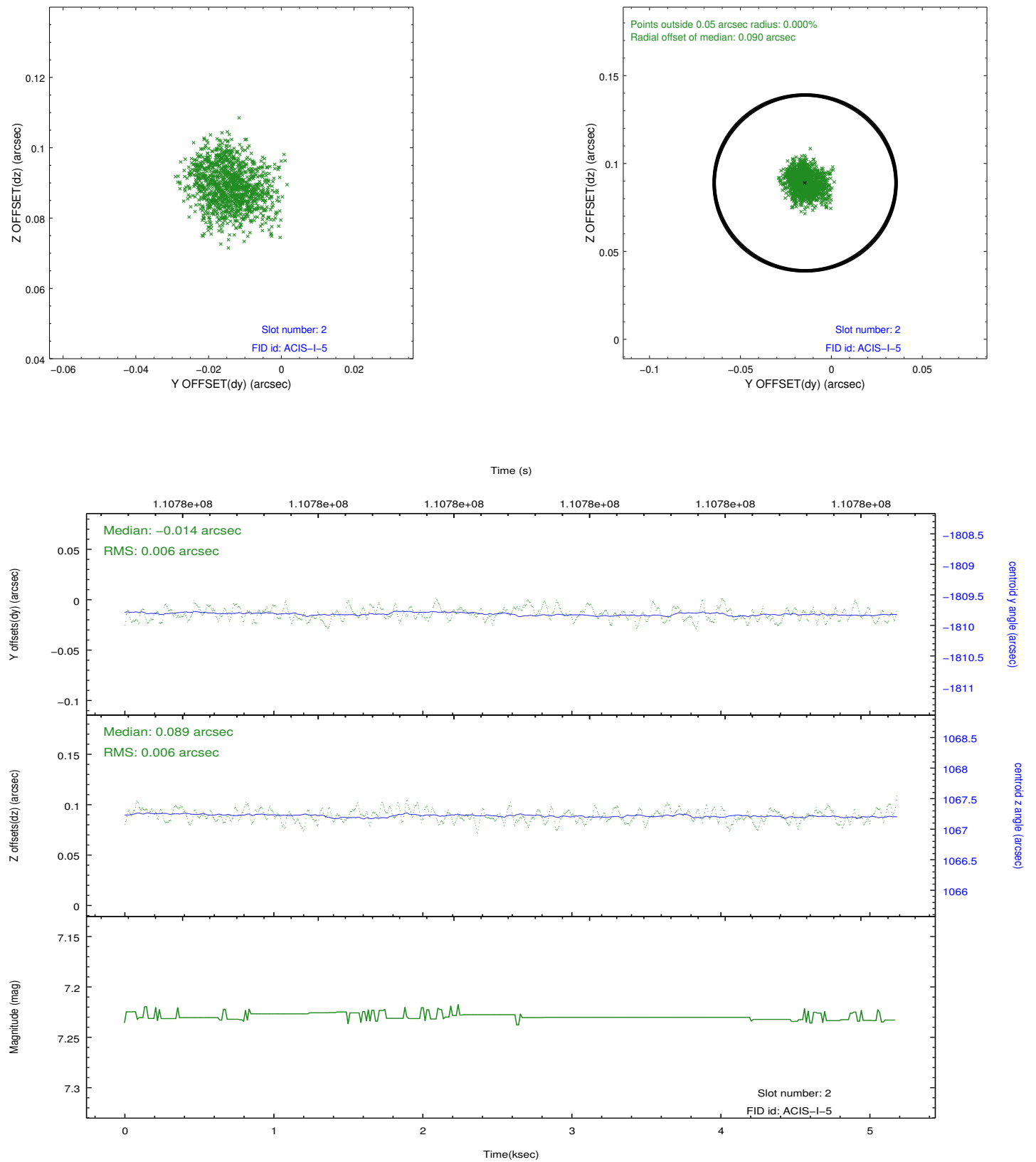
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.761

A.2 Comments