

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5262 - L2 Version 3
Chandra X-Ray Center

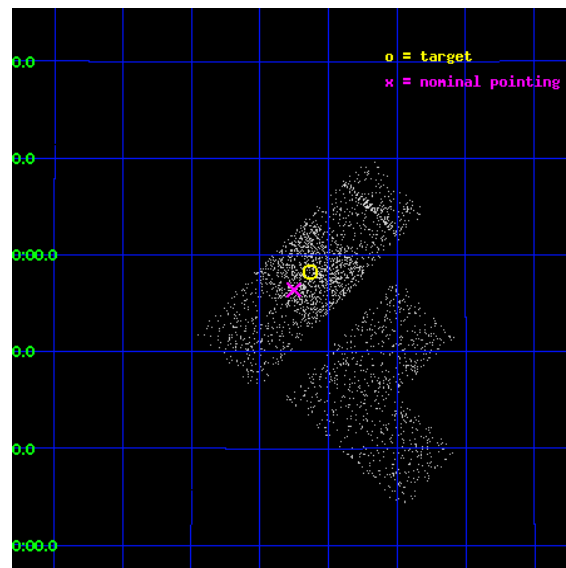
L2 Processing Date : Nov 8 2012

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

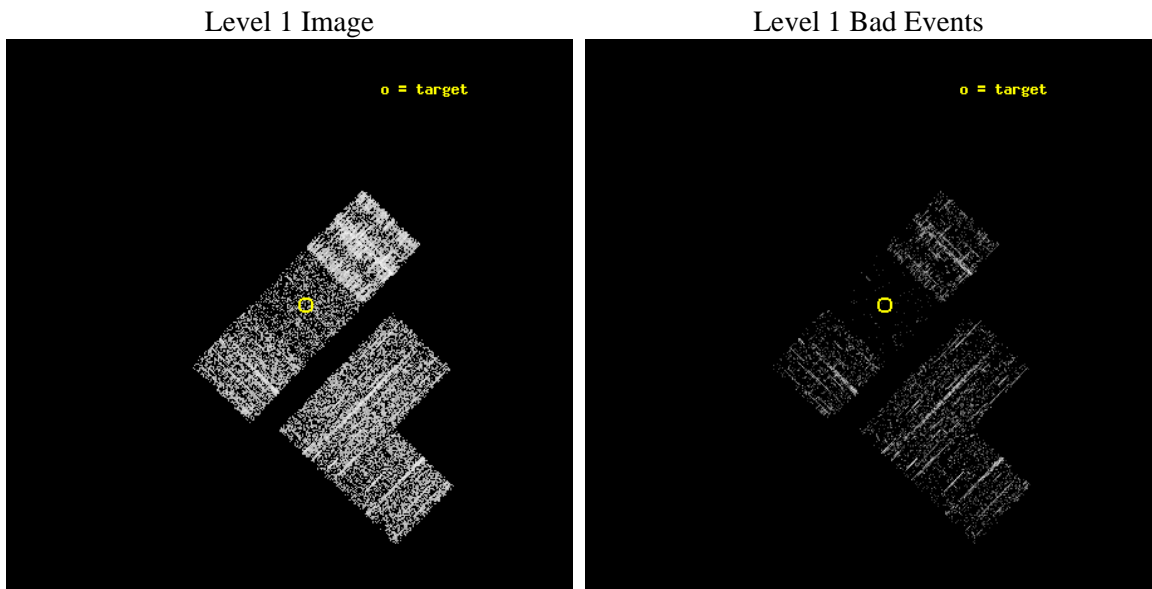
seq_num	100051	Sequence number
obs_id	5262	Observation id
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	2P/Encke (2003)	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.90834	Observer's specified target RA [deg]
dec_targ	16.97174	Observer's specified target Dec [deg]
ra_nom	287.93805608547	Nominal RA [deg]
dec_nom	16.939993406068	Nominal Dec [deg]
roll_nom	314.14796905969	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1475.1999945045	Sum of GTIs [s]
livetime	1456.5201239152	Livetime [s]
ontime0	1475.1999945045	Sum of GTIs [s]
ontime2	1475.1999945045	Sum of GTIs [s]
ontime3	1475.1999945045	Sum of GTIs [s]
ontime6	1475.1999945045	Sum of GTIs [s]
ontime7	1475.1999945045	Sum of GTIs [s]
ontime8	1475.1999945045	Sum of GTIs [s]
l2events	3006	Number of level 2 events



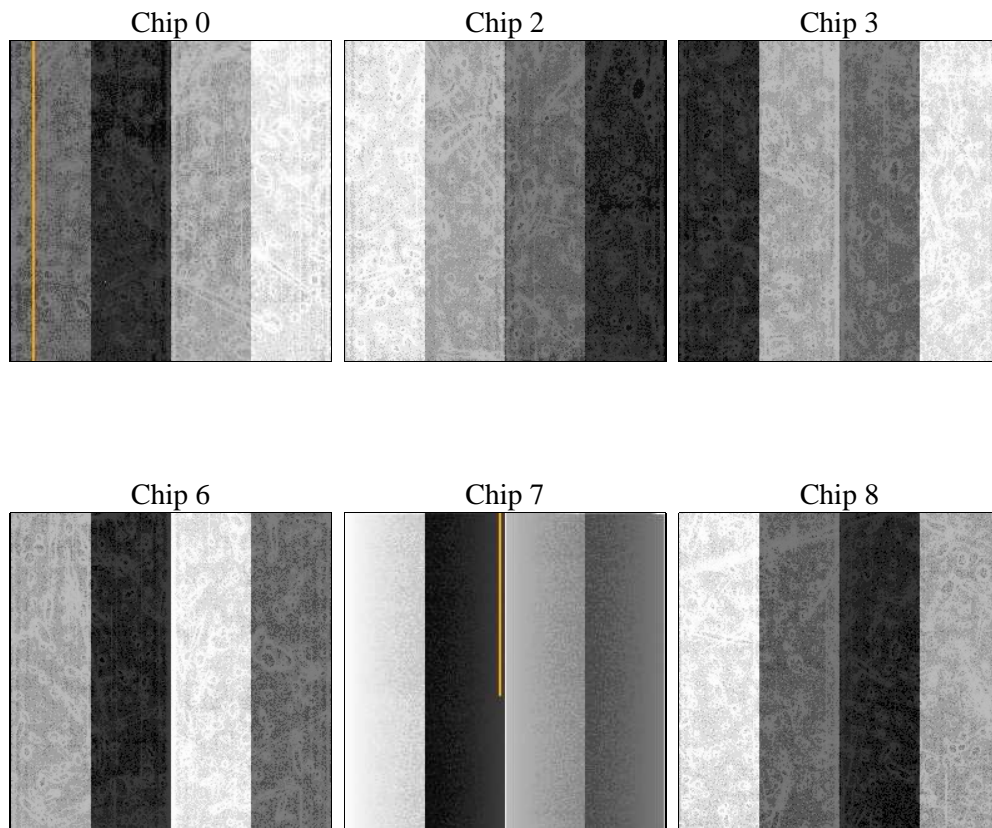
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1290.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1475.1999945045	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	1475.1999945045	Sum of GTIs [s]
date	2012-11-08T02:27:58	Date and time of file creation	ontime2	1475.1999945045	Sum of GTIs [s]
revision	3	Processing version of data	ontime3	1475.1999945045	Sum of GTIs [s]
			ontime6	1475.1999945045	Sum of GTIs [s]
			ontime7	1475.1999945045	Sum of GTIs [s]
			ontime8	1475.1999945045	Sum of GTIs [s]
			l1events	40110	Number of level 1 events

2.1.4 Events

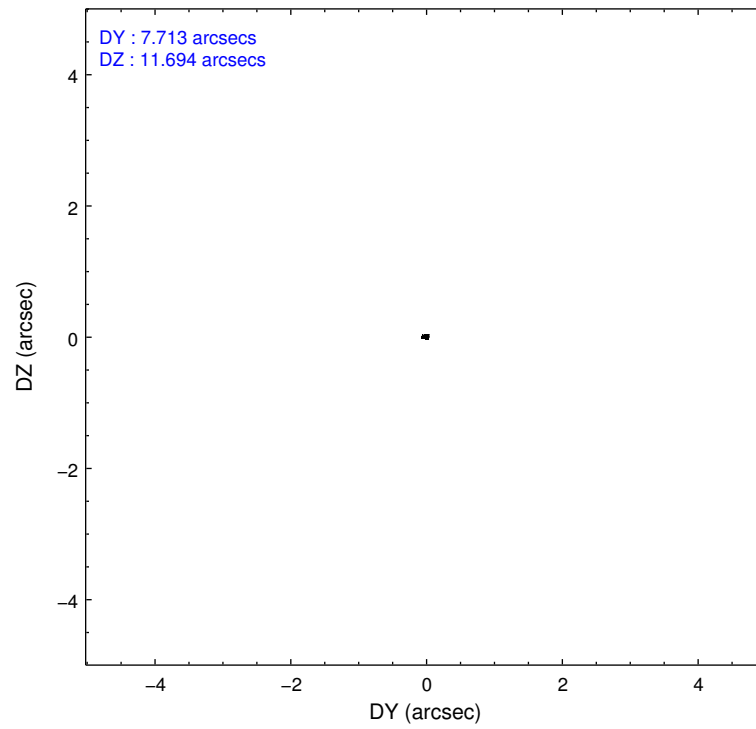
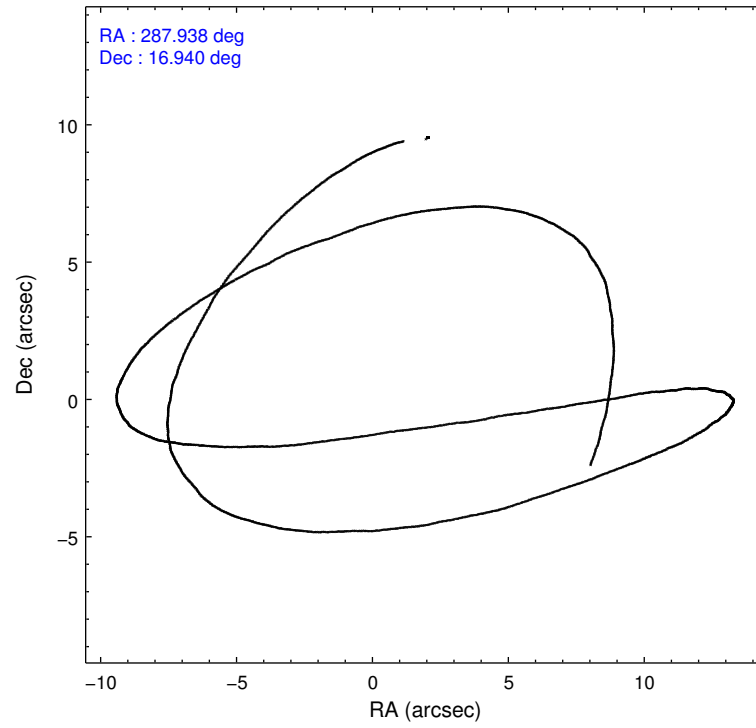
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5799	6907	6303	6068	2245	12788
rejected events	5340	6394	5939	5568	904	7463
rejected %	92%	92%	94%	91%	40%	58%

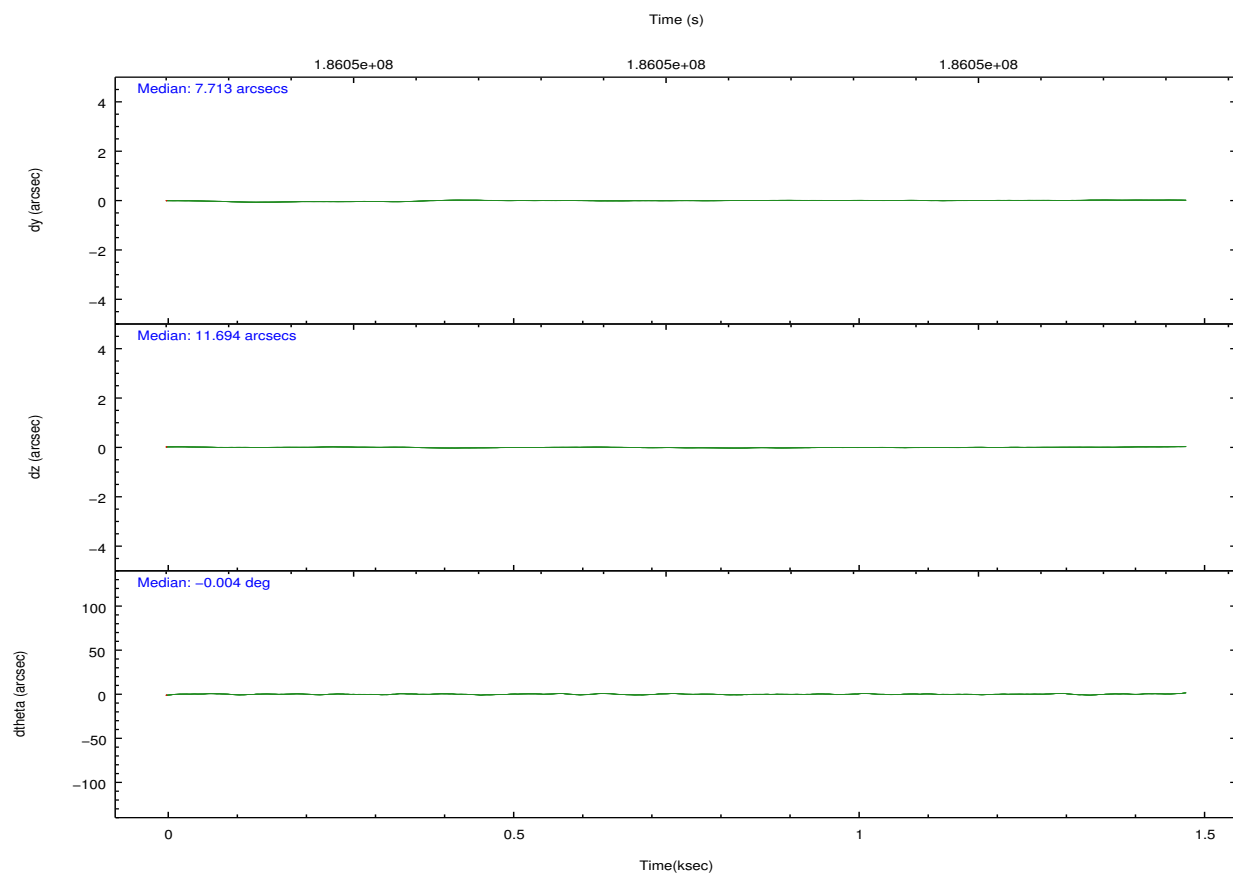
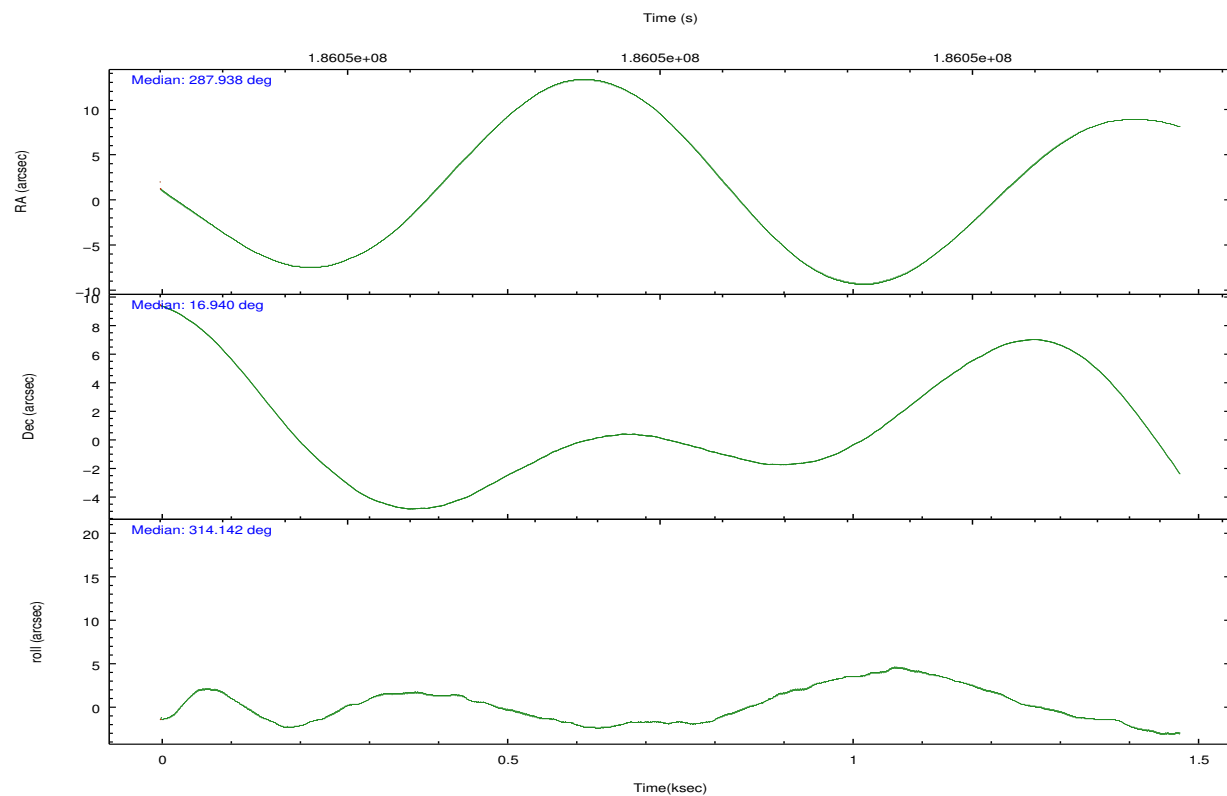
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	253	277	224	294	408	1886
	4%	4%	3%	4%	18%	14%
grade 1 events	5	5	3	0	7	16
	0%	0%	0%	0%	0%	0%
grade 2 events	146	170	86	142	452	970
	2%	2%	1%	2%	20%	7%
grade 3 events	51	42	37	63	165	1107
	0%	0%	0%	1%	7%	8%
grade 4 events	49	59	48	47	178	985
	0%	0%	0%	0%	7%	7%
grade 5 events	55	48	47	64	156	190
	0%	0%	0%	1%	6%	1%
grade 6 events	66	63	37	55	409	1504
	1%	0%	0%	0%	18%	11%
grade 7 events	5174	6243	5821	5403	470	6130
	89%	90%	92%	89%	20%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-023678	ACIS-023678	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	287.910715	287.9380560854684	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.946827	16.93999340606849	Alternating exposures requested	N	N
[deg] Pointing Roll	313.999301	314.1479690596926	[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)	186053464.184000	186053088.03189			
Observation start date	2003-11-24T09:30:00	2003-11-24T09:24:48			
[s] Observation end time (MET)	186054754.184000	186054887.93196			
Observation end date	2003-11-24T09:51:30	2003-11-24T09:54:47			
Read mode	TIMED	TIMED			

2.3 Aspect



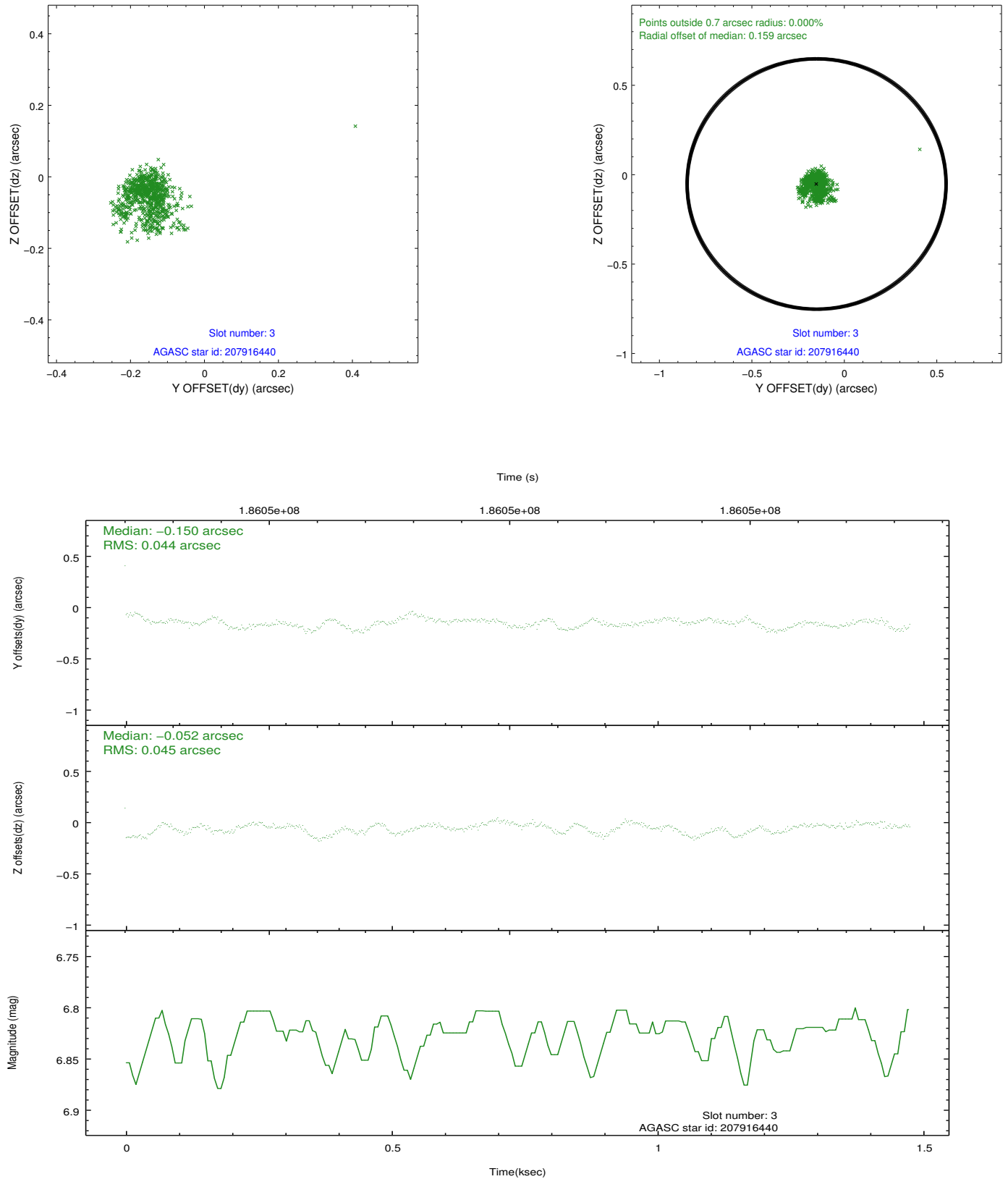


Slot Statistics

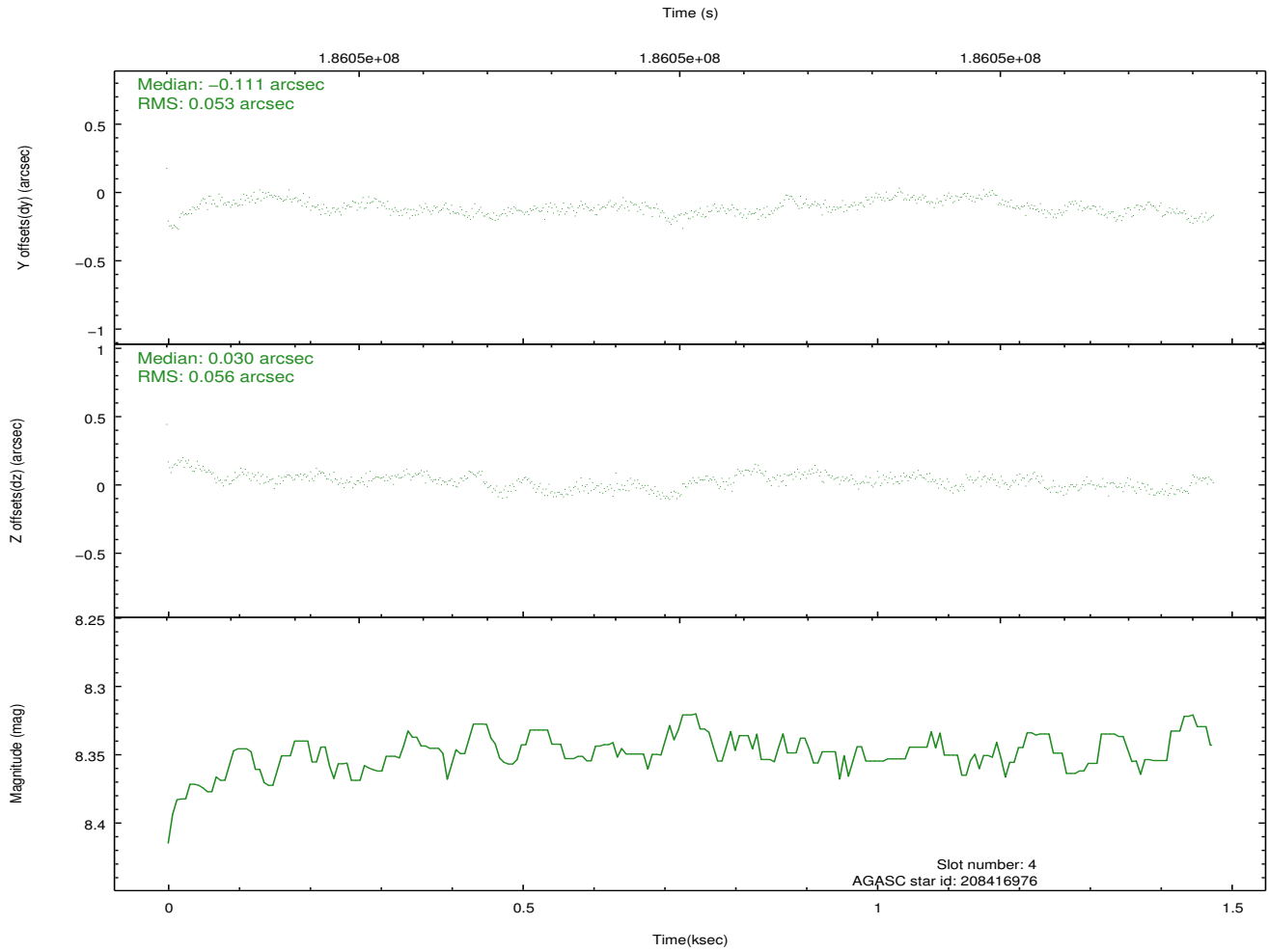
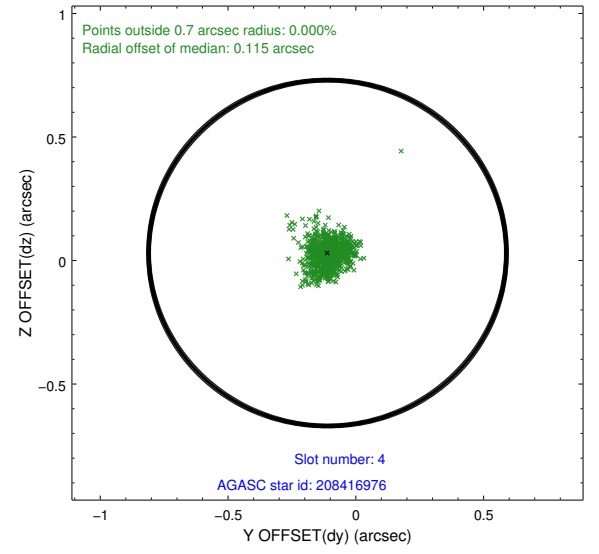
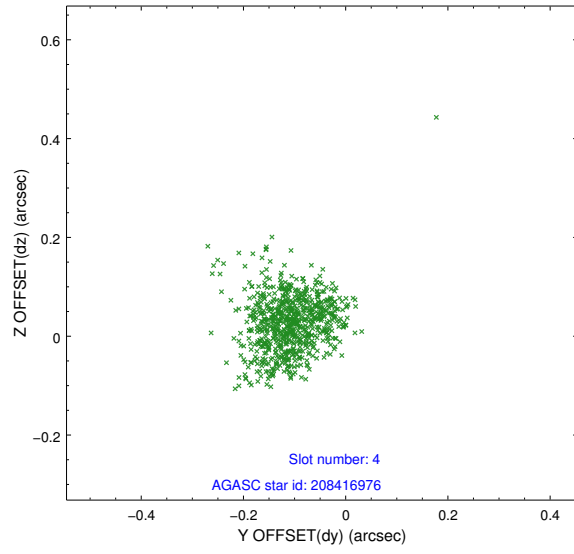
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	360	-0.015	-0.008	0.007	0.012	0.000000	0.000000	-760.48	-1733.00
1	FID	ACIS-S-4	7.20	361	0.047	0.009	0.005	0.009	0.000000	0.000000	2150.81	170.88
2	FID	ACIS-S-5	7.23	360	-0.064	0.007	0.006	0.011	0.000000	0.000000	-1807.61	169.63
3	GUIDE	207916440	6.82	721	-0.150	-0.052	0.062	0.103	287.167522	16.851310	-1533.29	-2078.15
4	GUIDE	208416976	8.35	721	-0.111	0.030	0.079	0.124	287.326965	17.073967	-1727.62	-1128.44
5	GUIDE	209596088	9.37	721	0.207	0.114	0.106	0.171	288.150718	16.305149	2236.66	-1009.13
6	GUIDE	210120944	8.43	721	-0.002	0.009	0.084	0.135	288.245736	17.506735	-647.47	2226.78
7	GUIDE	209585448	7.95	720	0.050	-0.088	0.051	0.085	288.114724	16.850123	739.81	266.89

2.4 Star Slots

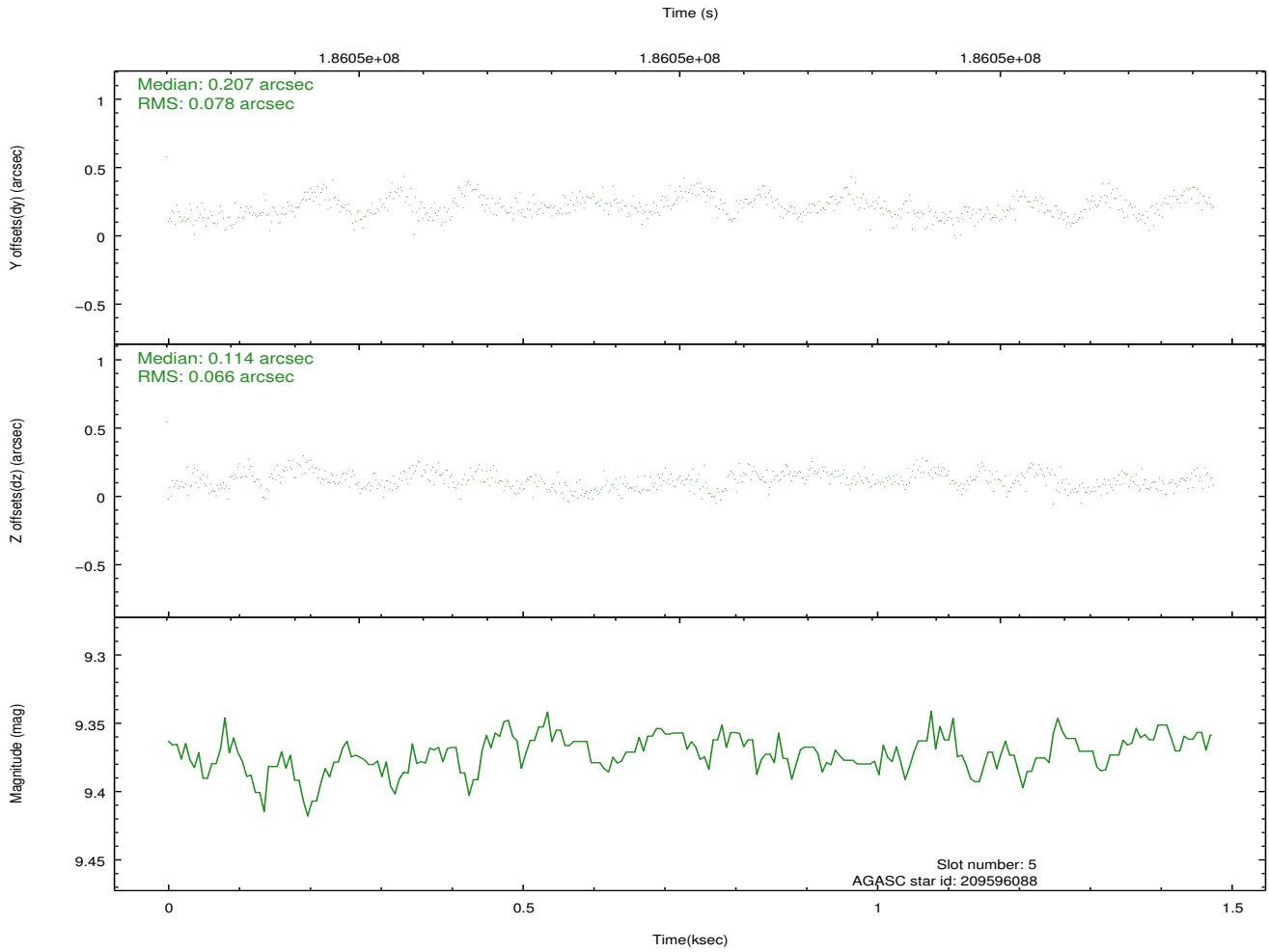
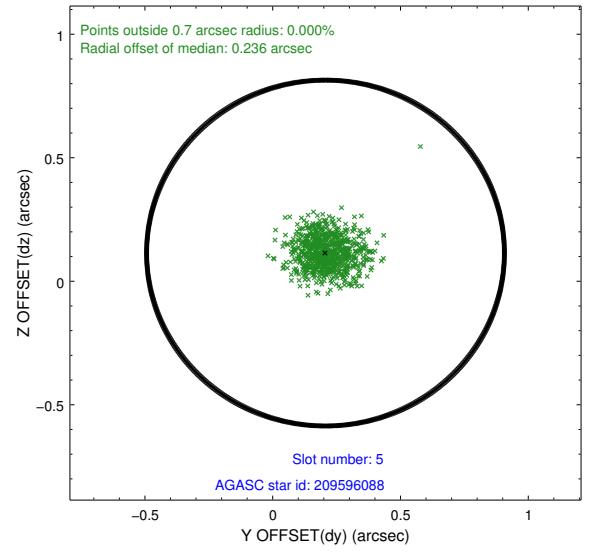
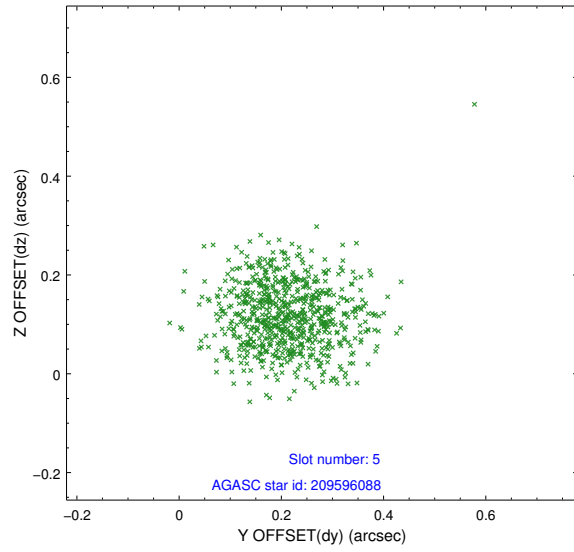
2.4.1 Slot 3



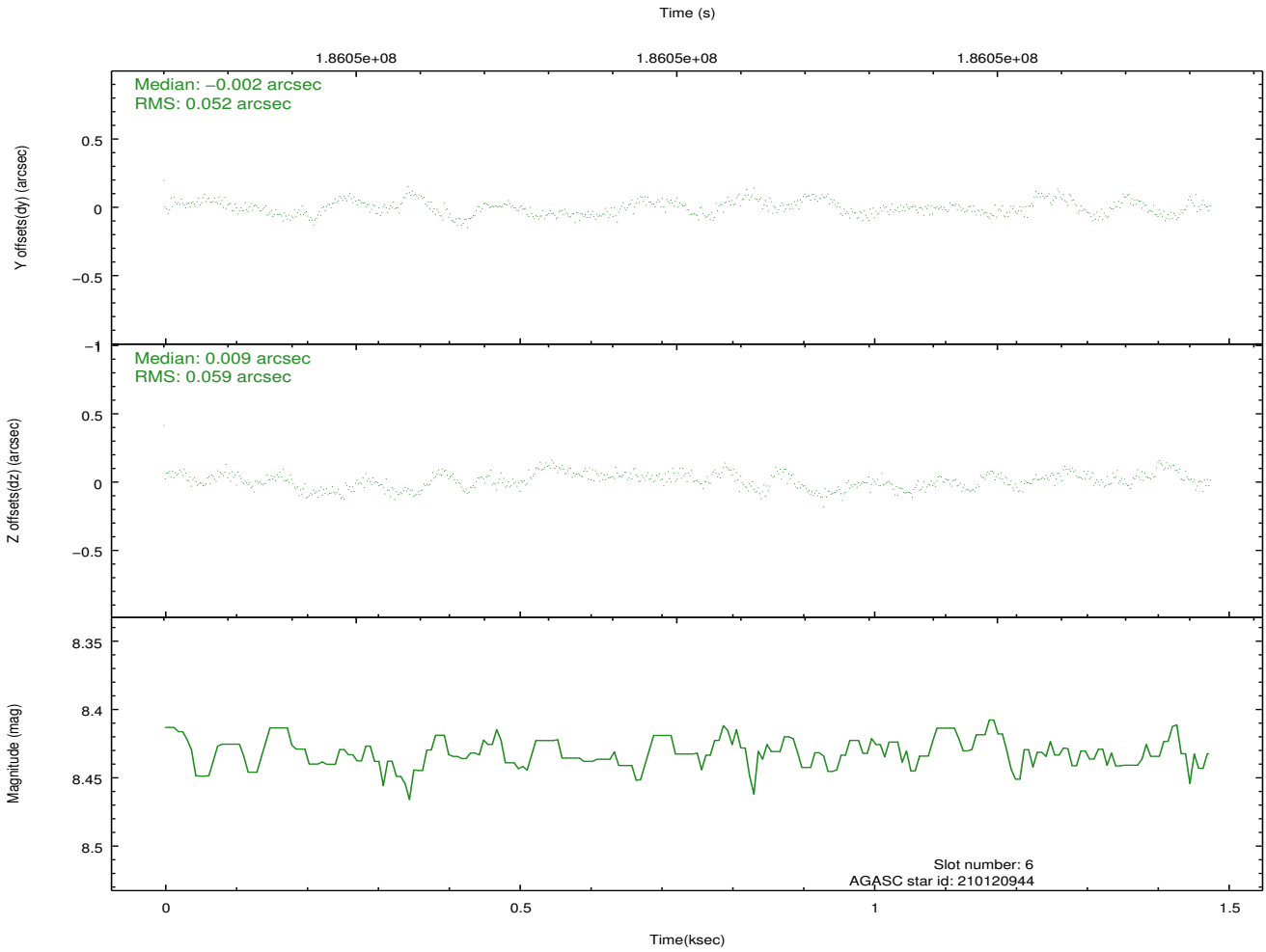
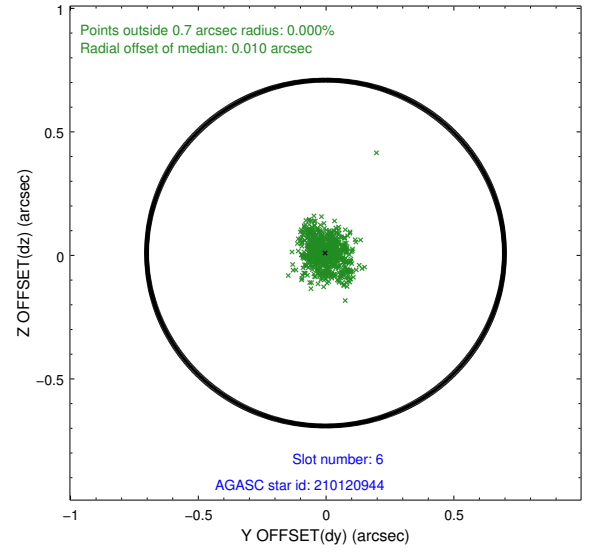
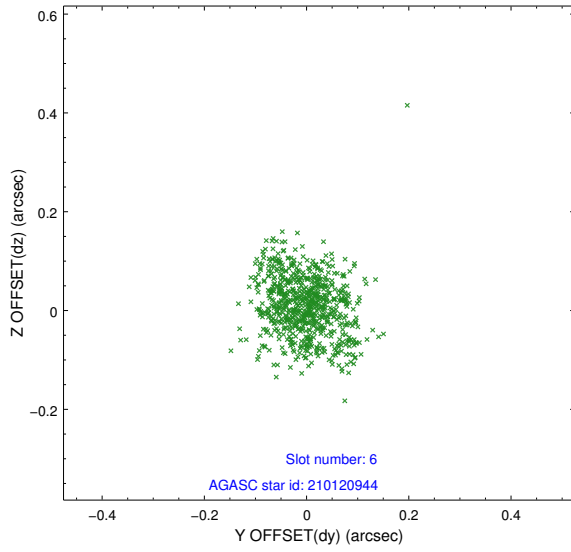
2.4.2 Slot 4



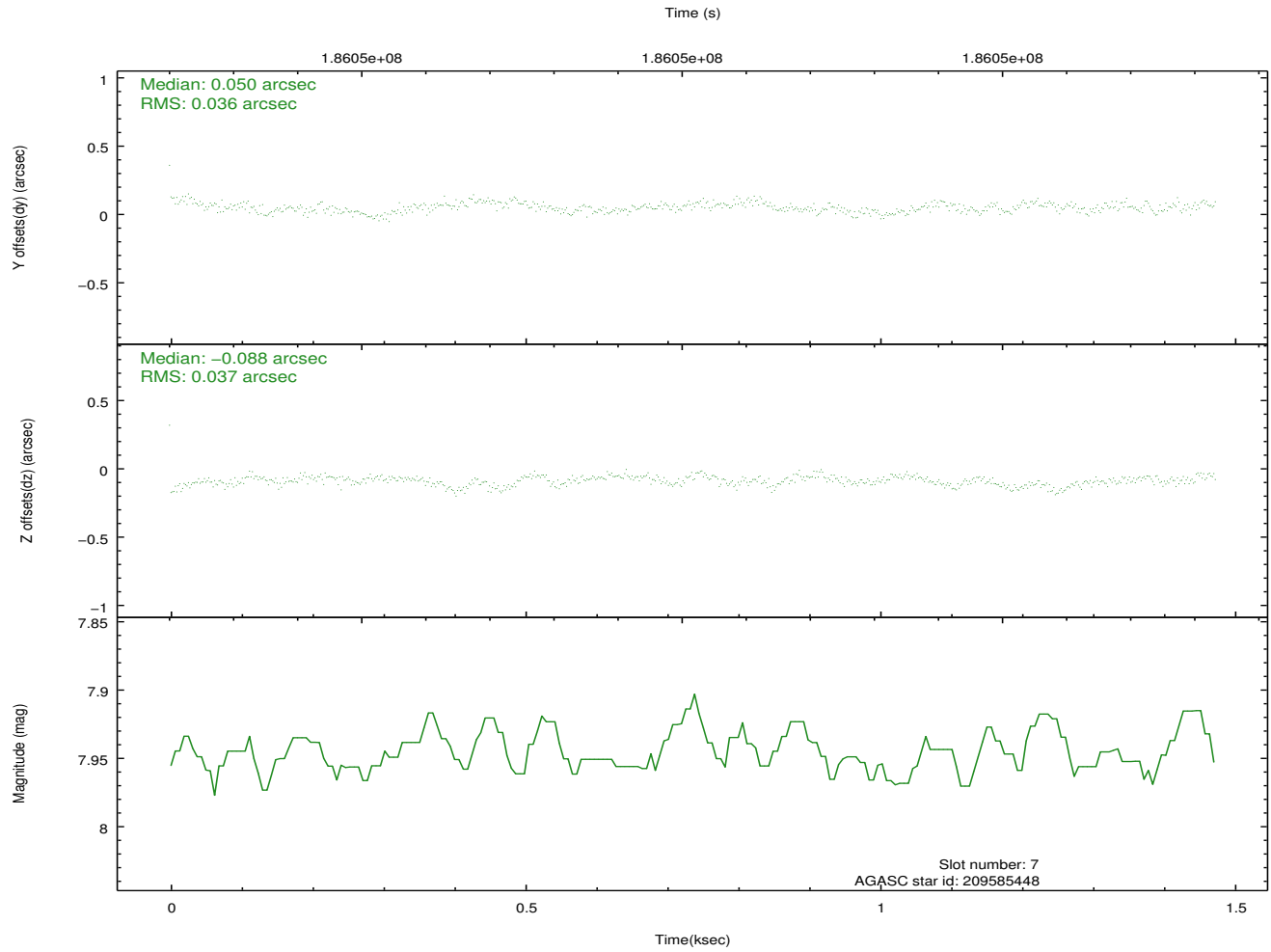
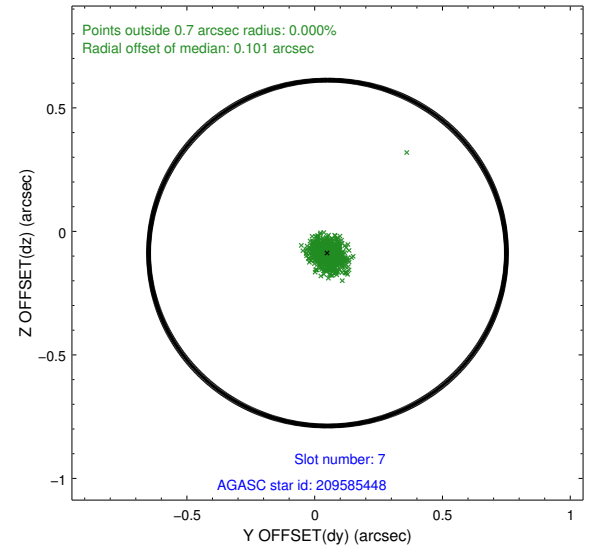
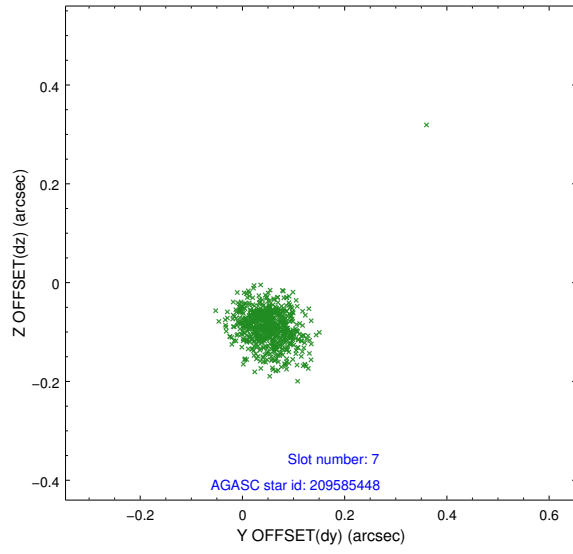
2.4.3 Slot 5



2.4.4 Slot 6

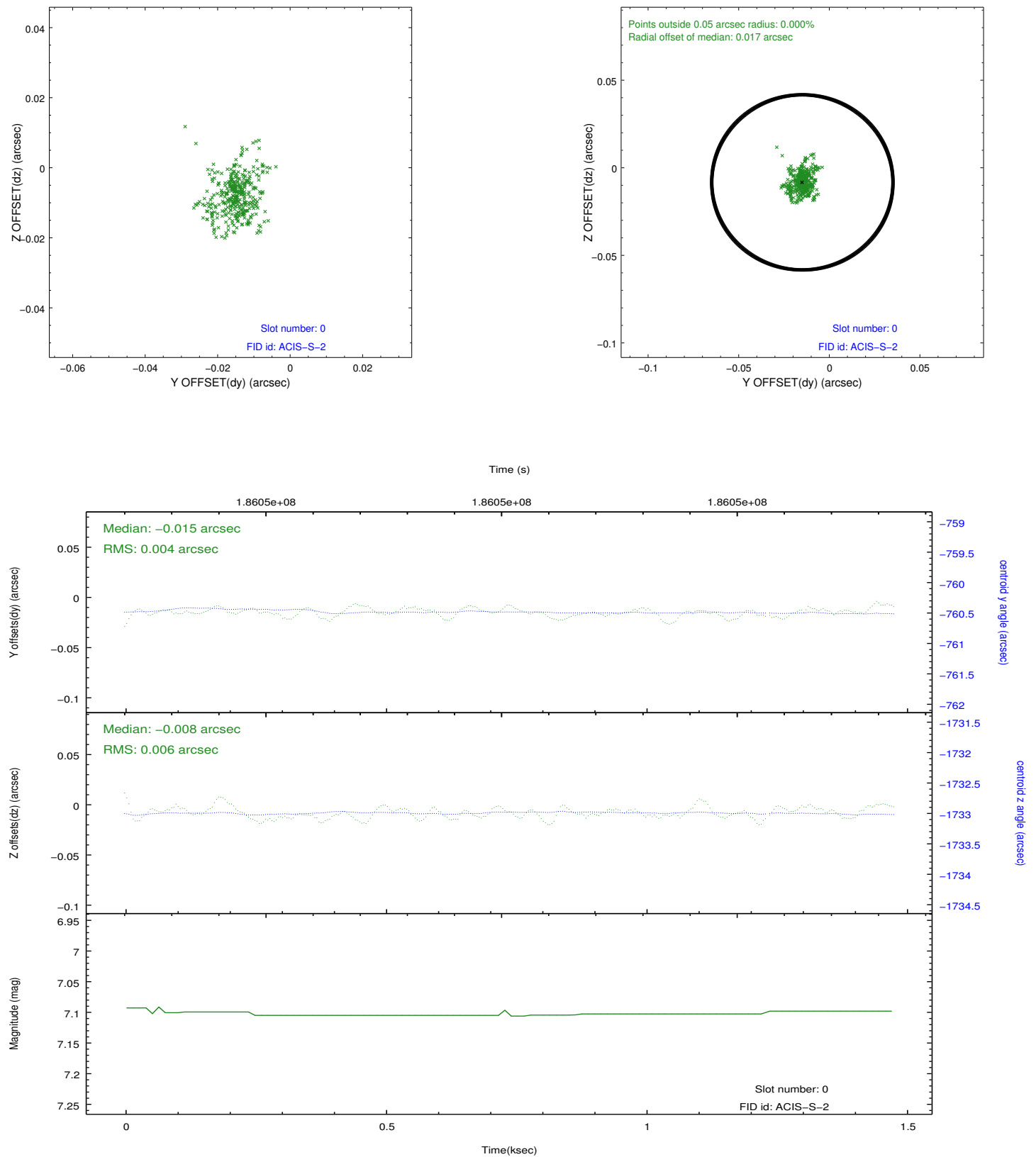


2.4.5 Slot 7

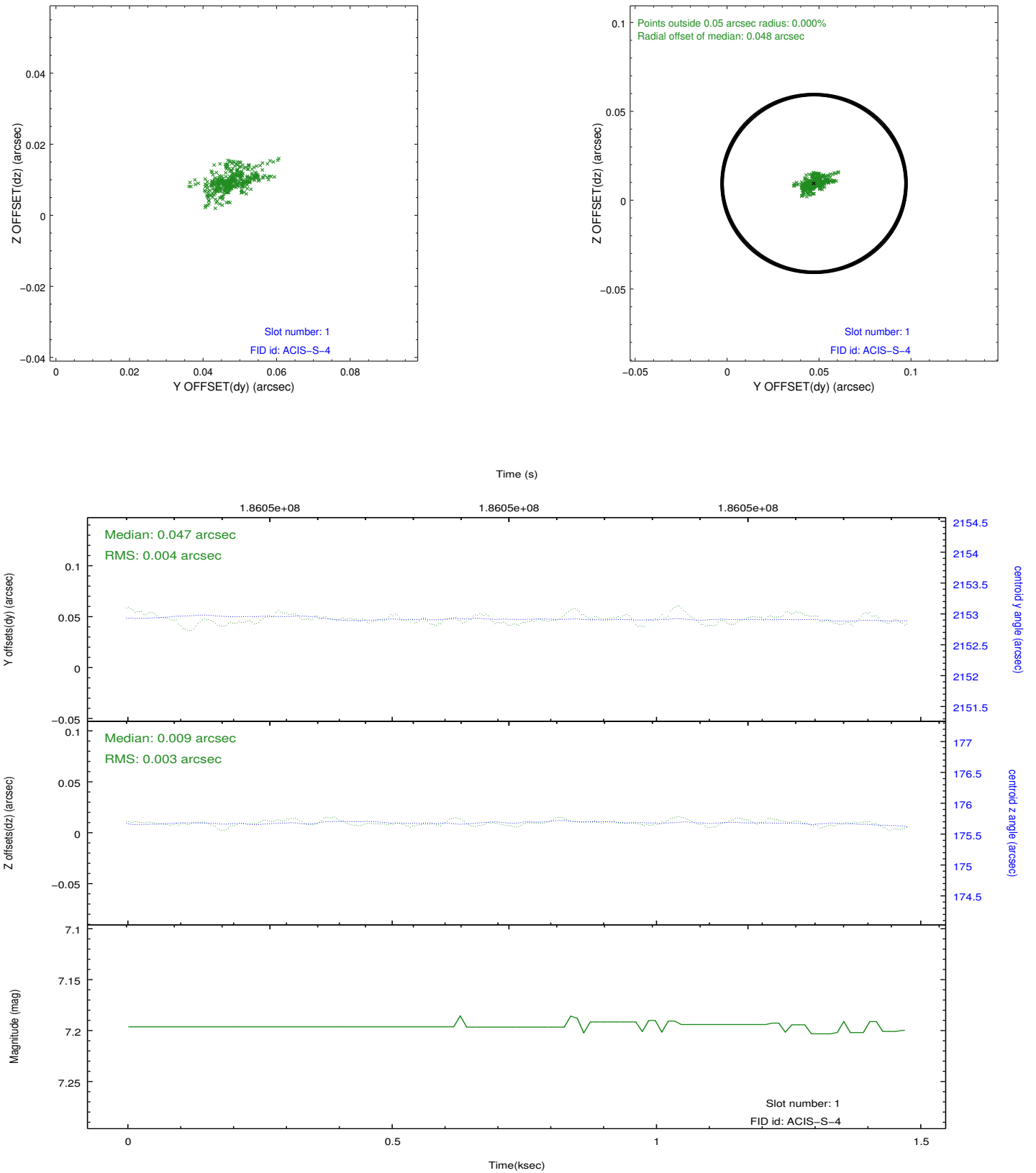


2.5 FID Slots

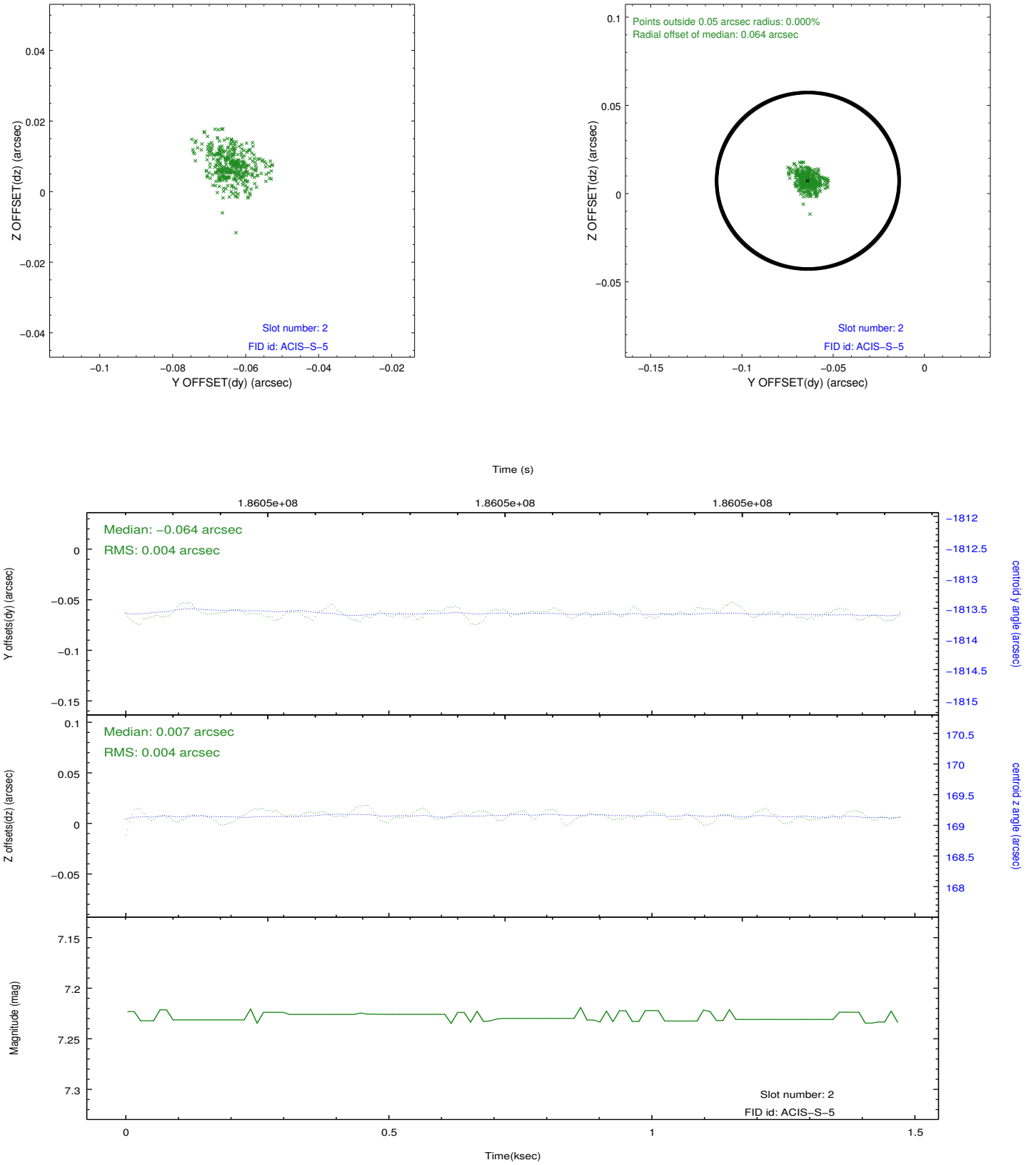
2.5.1 Slot 0



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)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.475

A.2 Comments

This is a moving target. Users will need to run `sso_freeze` or similar software to position the events in the reference frame of the target.