

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1762 - L2 Version 4
Chandra X-Ray Center

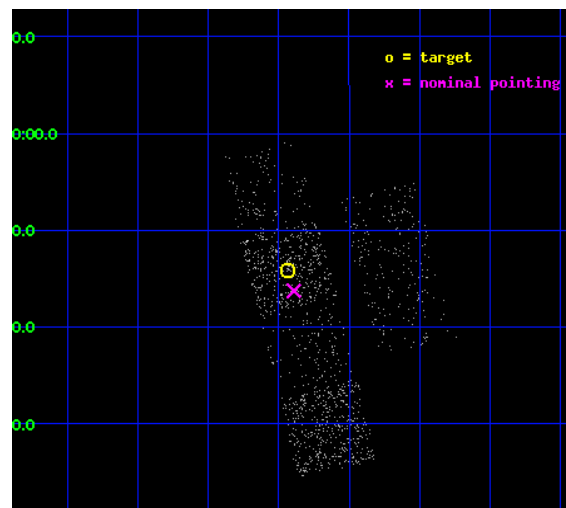
L2 Processing Date : Aug 31 2012

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1 Front

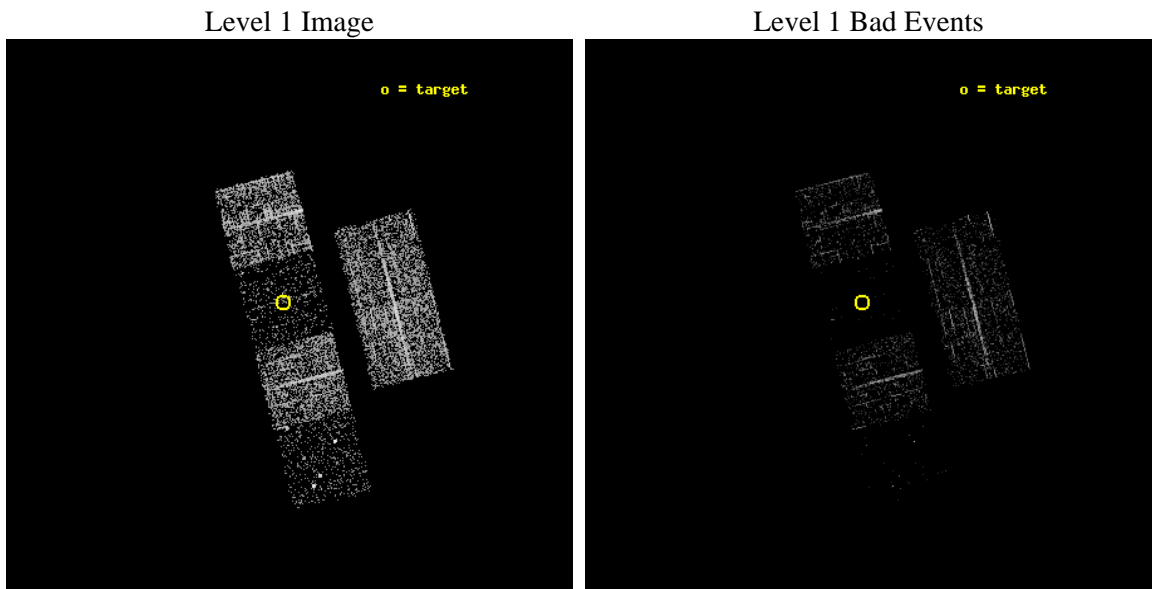
seq_num	100004	Sequence number
obs_id	1762	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.484	Observer's specified target RA [deg]
dec_targ	10.76515	Observer's specified target Dec [deg]
ra_nom	182.47310462207	Nominal RA [deg]
dec_nom	10.729273402888	Nominal Dec [deg]
roll_nom	255.8206543859	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1196.8000010997	Sum of GTIs [s]
livetime	1181.6453988593	Livetime [s]
ontime2	1196.8000010997	Sum of GTIs [s]
ontime3	1196.8000010997	Sum of GTIs [s]
ontime5	1196.8000010997	Sum of GTIs [s]
ontime6	1196.8000010997	Sum of GTIs [s]
ontime7	1196.8000010997	Sum of GTIs [s]
ontime8	1196.8000010997	Sum of GTIs [s]
l2events	1398	Number of level 2 events



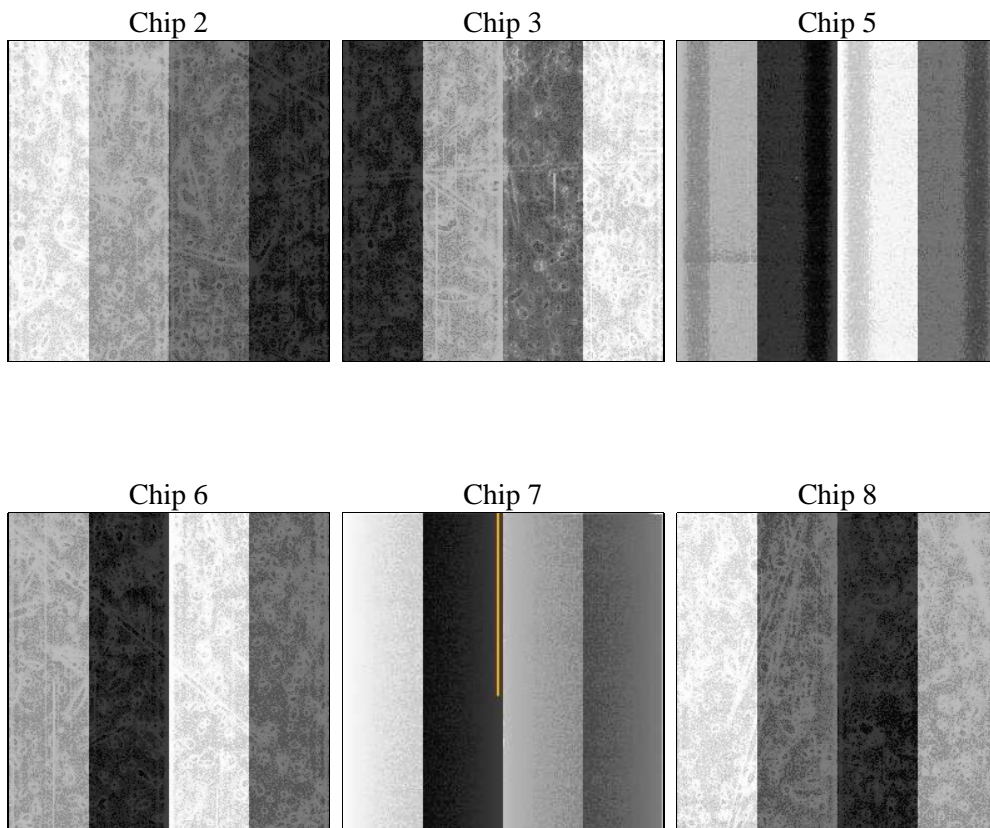
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1196.8000010997	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1196.8000010997	Sum of GTIs [s]
date	2012-08-31T11:59:29	Date and time of file creation	ontime3	1196.8000010997	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1196.8000010997	Sum of GTIs [s]
			ontime6	1196.8000010997	Sum of GTIs [s]
			ontime7	1196.8000010997	Sum of GTIs [s]
			ontime8	1196.8000010997	Sum of GTIs [s]
			l1events	24381	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6271	4787	1414	4821	800	6288
rejected events	6089	4616	431	4621	250	5240
rejected %	97%	96%	30%	95%	31%	83%

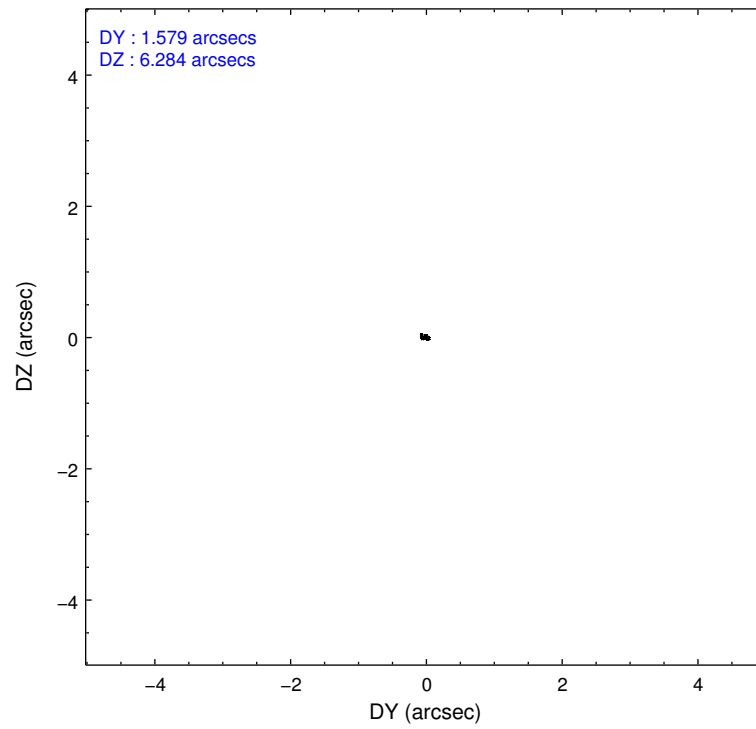
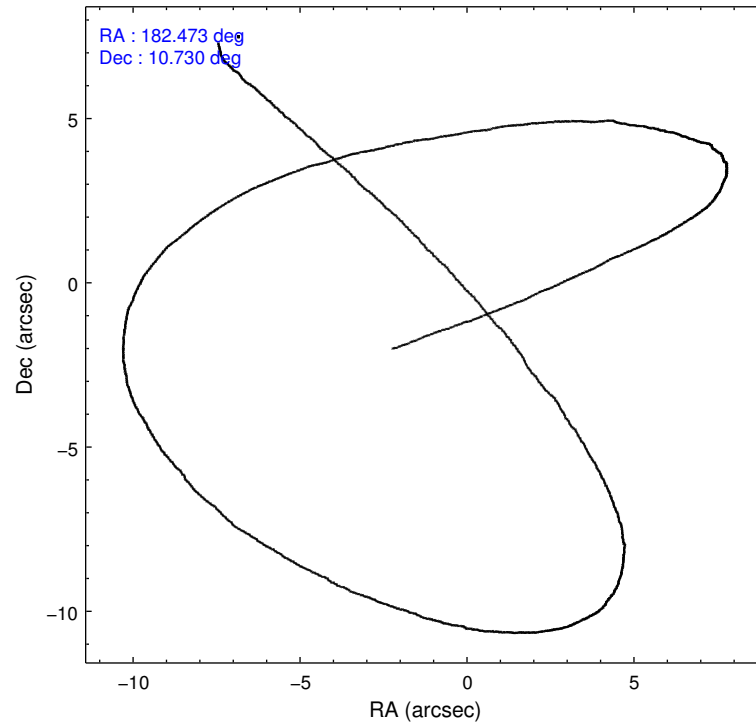
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	95	115	687	122	221	392
	1%	2%	48%	2%	27%	6%
grade 1 events	3	0	11	4	2	3
	0%	0%	0%	0%	0%	0%
grade 2 events	57	23	346	53	218	255
	0%	0%	24%	1%	27%	4%
grade 3 events	37	31	76	36	80	194
	0%	0%	5%	0%	10%	3%
grade 4 events	32	35	80	39	79	162
	0%	0%	5%	0%	9%	2%
grade 5 events	1	2	36	3	19	25
	0%	0%	2%	0%	2%	0%
grade 6 events	20	7	54	7	79	349
	0%	0%	3%	0%	9%	5%
grade 7 events	6026	4574	124	4557	102	4908
	96%	95%	8%	94%	12%	78%

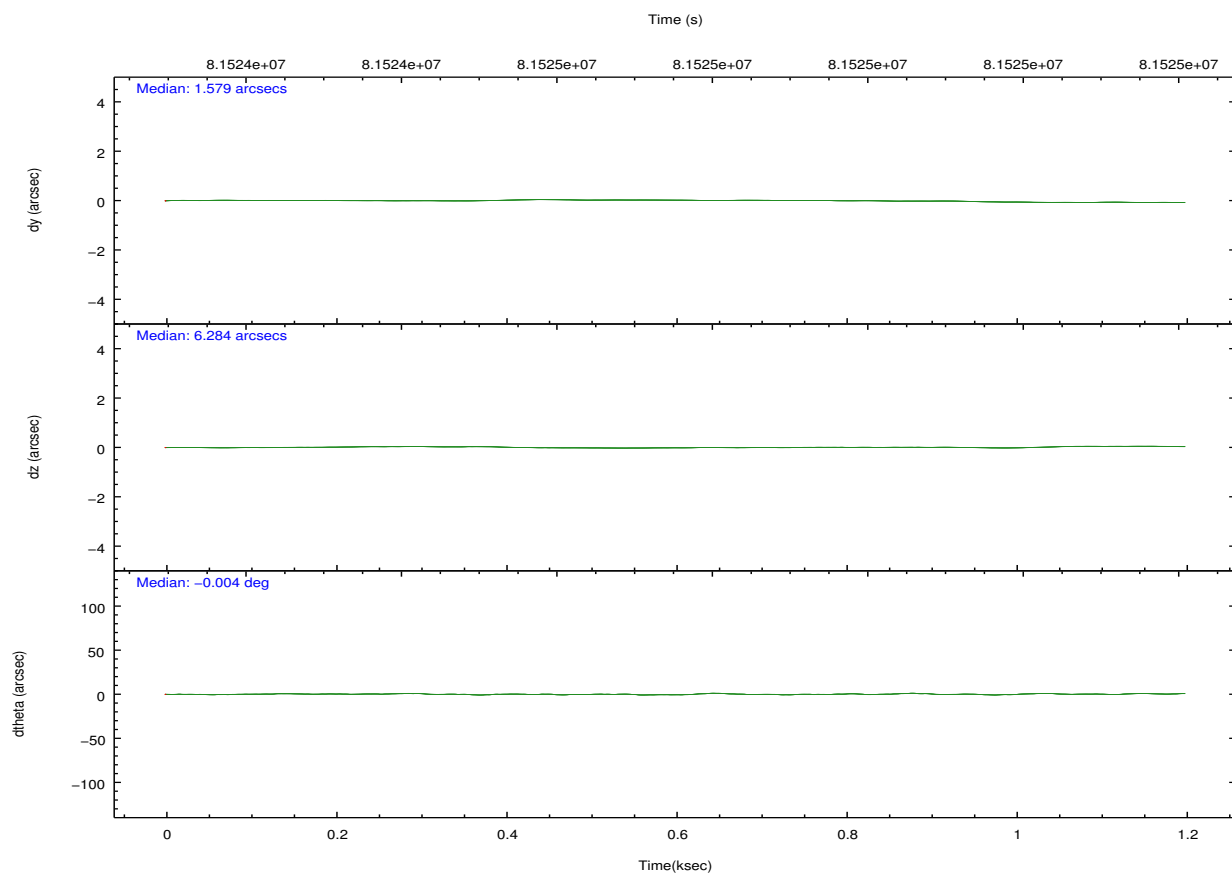
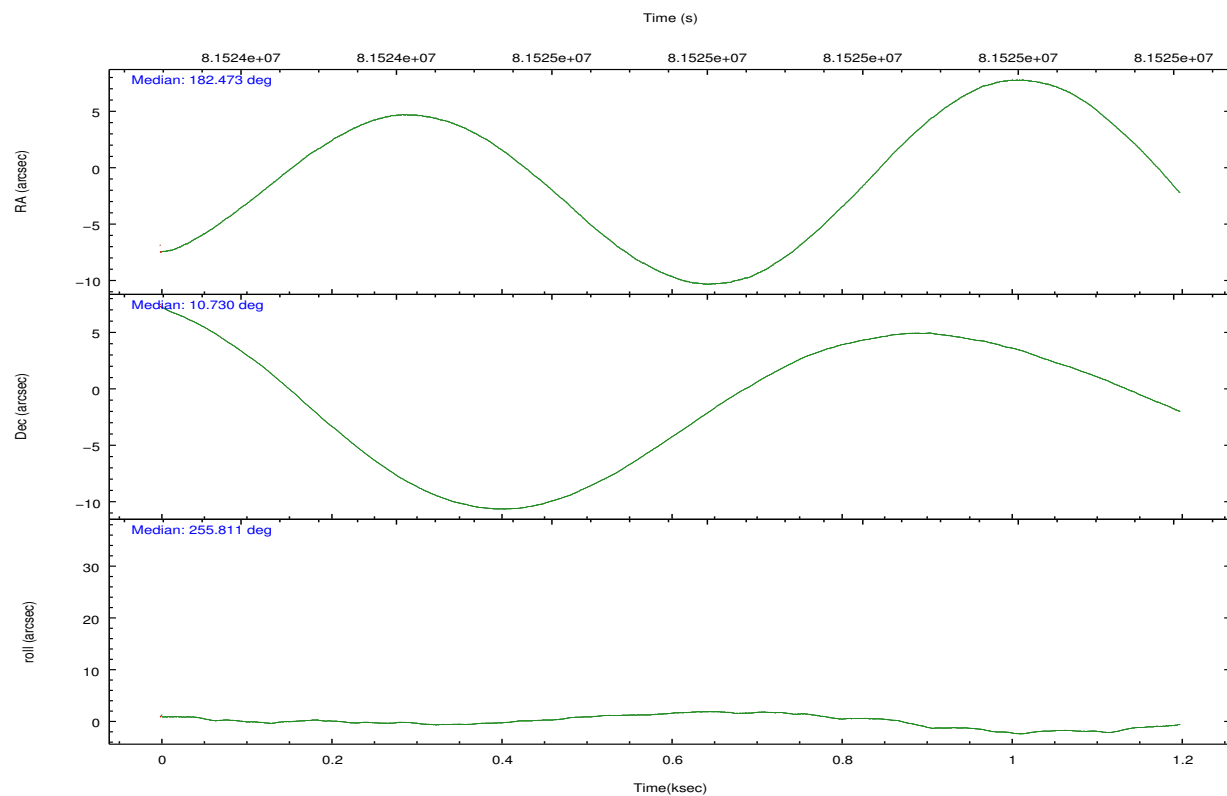
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	182.465018	182.4731046220707
[deg] Pointing Dec	10.755460	10.72927340288798
[deg] Pointing Roll	255.665566	255.8206543858997
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	81524350.184000	81523974.32822099
Observation start date	2000-08-01T13:38:06	2000-08-01T13:32:54
[s] Observation end time (MET)	81525350.184000	81525484.15327799
Observation end date	2000-08-01T13:54:46	2000-08-01T13:58:04
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



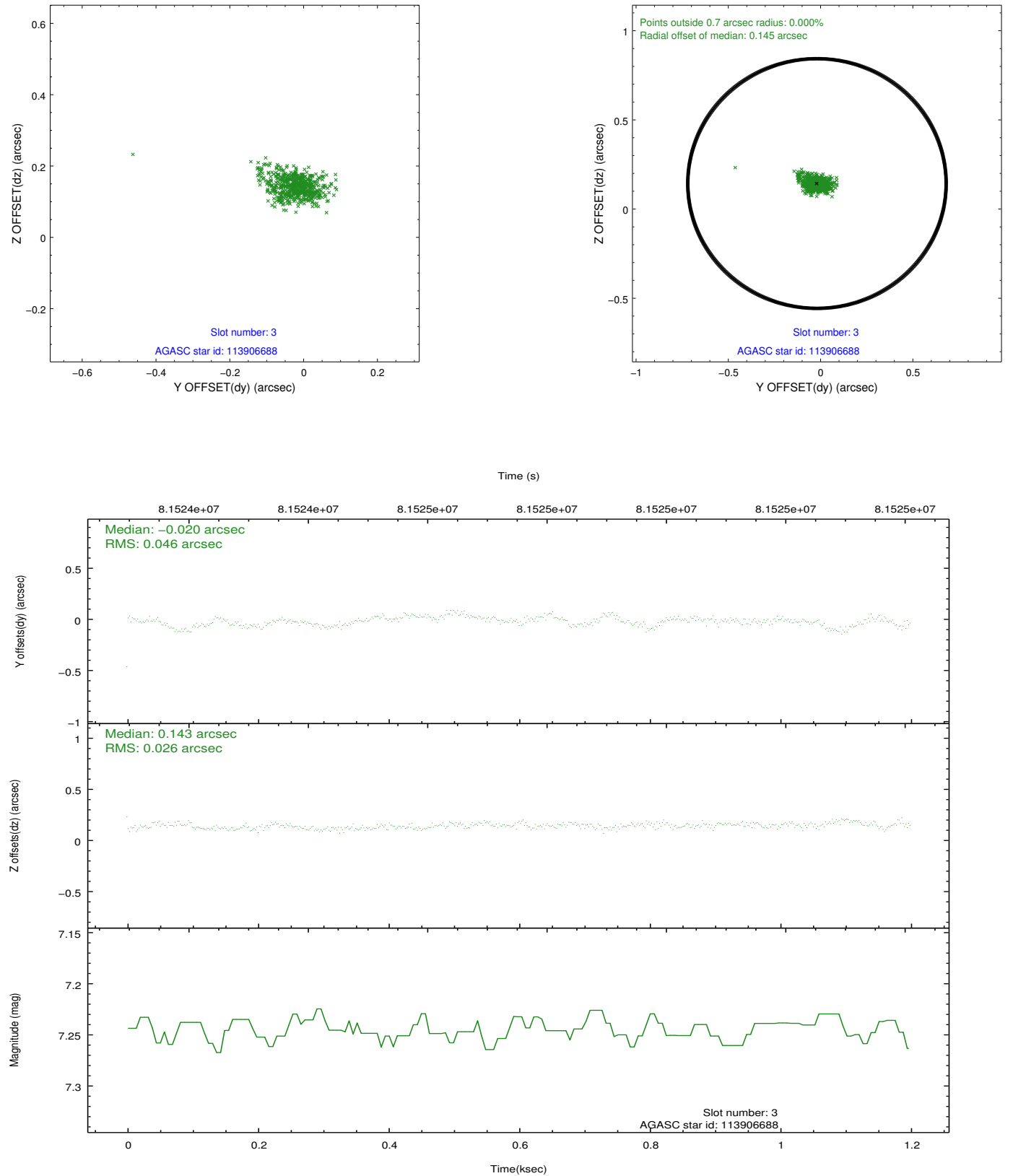


Slot Statistics

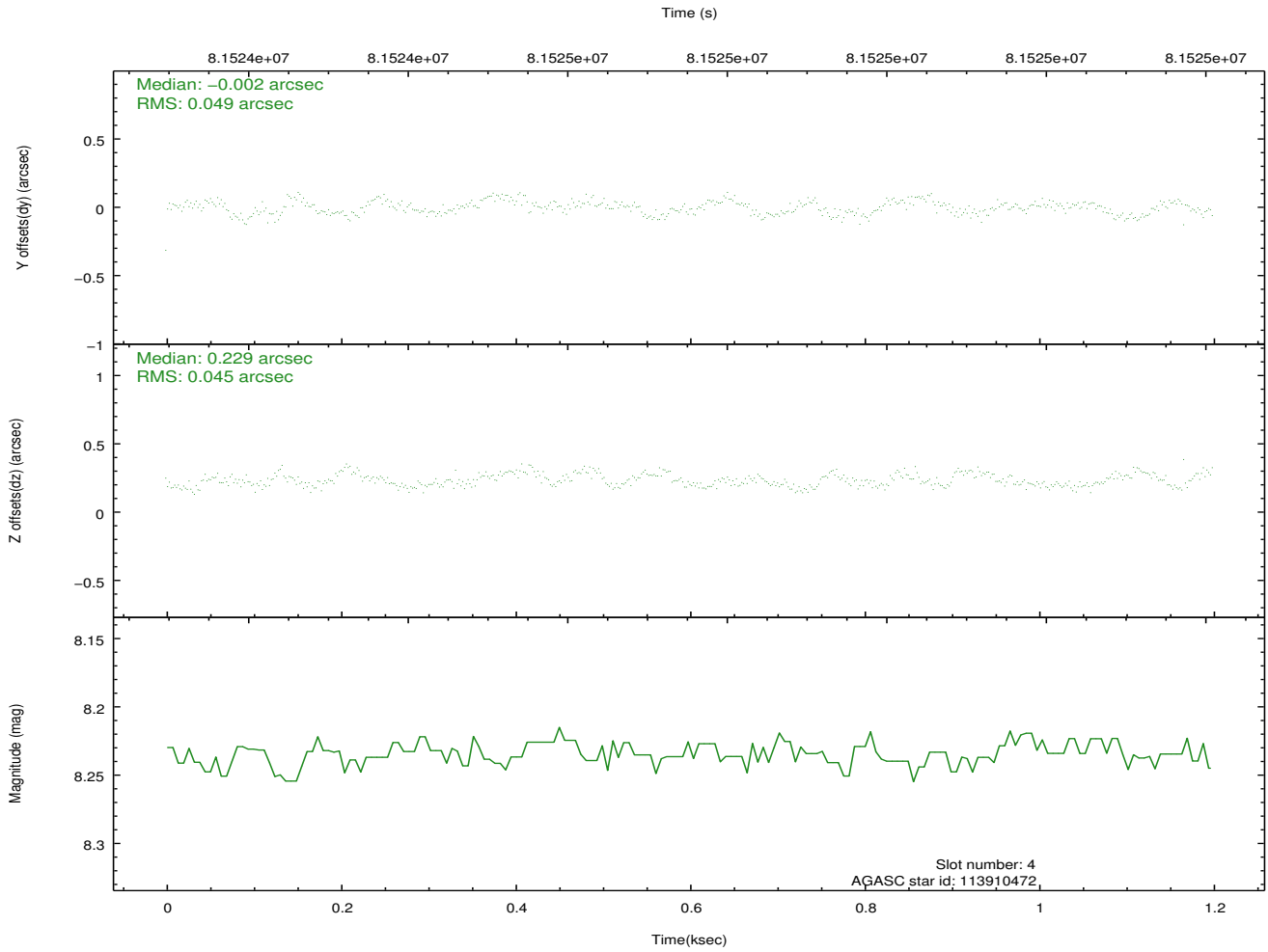
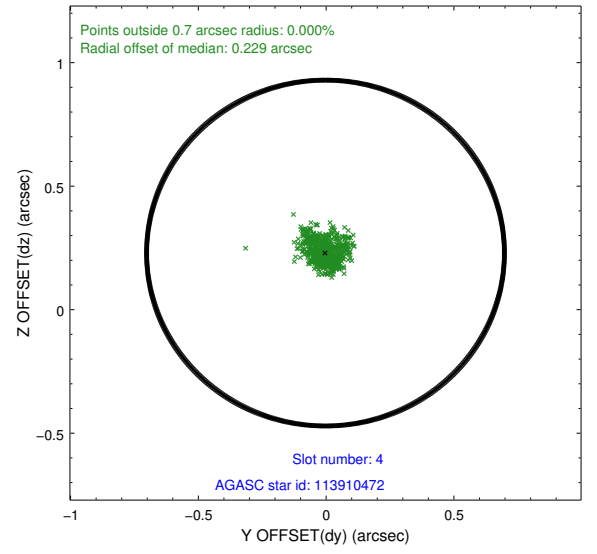
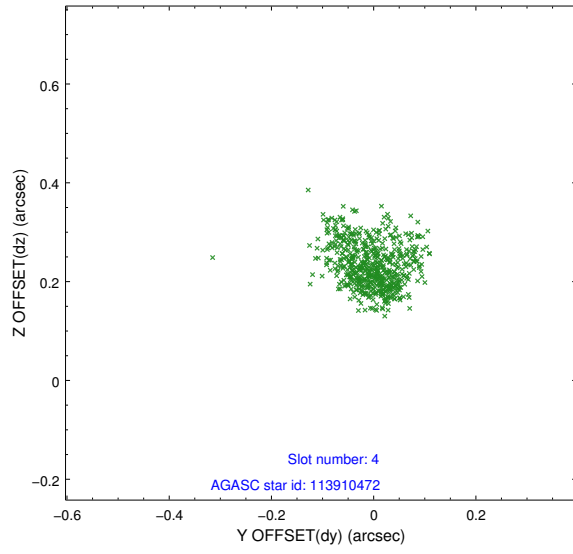
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	293	-0.032	0.014	0.006	0.011	0.000000	0.000000	-754.20	-1727.37
1	FID	ACIS-S-4	7.21	293	-0.026	0.012	0.005	0.009	0.000000	0.000000	2156.58	175.38
2	FID	ACIS-S-5	7.23	293	0.028	-0.016	0.007	0.012	0.000000	0.000000	-1799.83	175.33
3	GUIDE	113906688	7.25	586	-0.020	0.143	0.051	0.095	183.194115	11.111362	-1881.07	2176.11
4	GUIDE	113910472	8.23	586	-0.002	0.229	0.071	0.114	182.994765	11.292167	-2338.67	1335.63
5	GUIDE	113910736	8.48	585	0.139	-0.019	0.065	0.104	181.816666	10.531380	1345.39	-2022.87
6	GUIDE	113908584	8.59	586	-0.178	-0.448	0.084	0.136	182.320674	11.291738	-1740.74	-977.14
7	GUIDE	113908616	8.68	585	0.059	0.094	0.067	0.105	182.402585	11.211583	-1537.75	-623.17

2.4 Star Slots

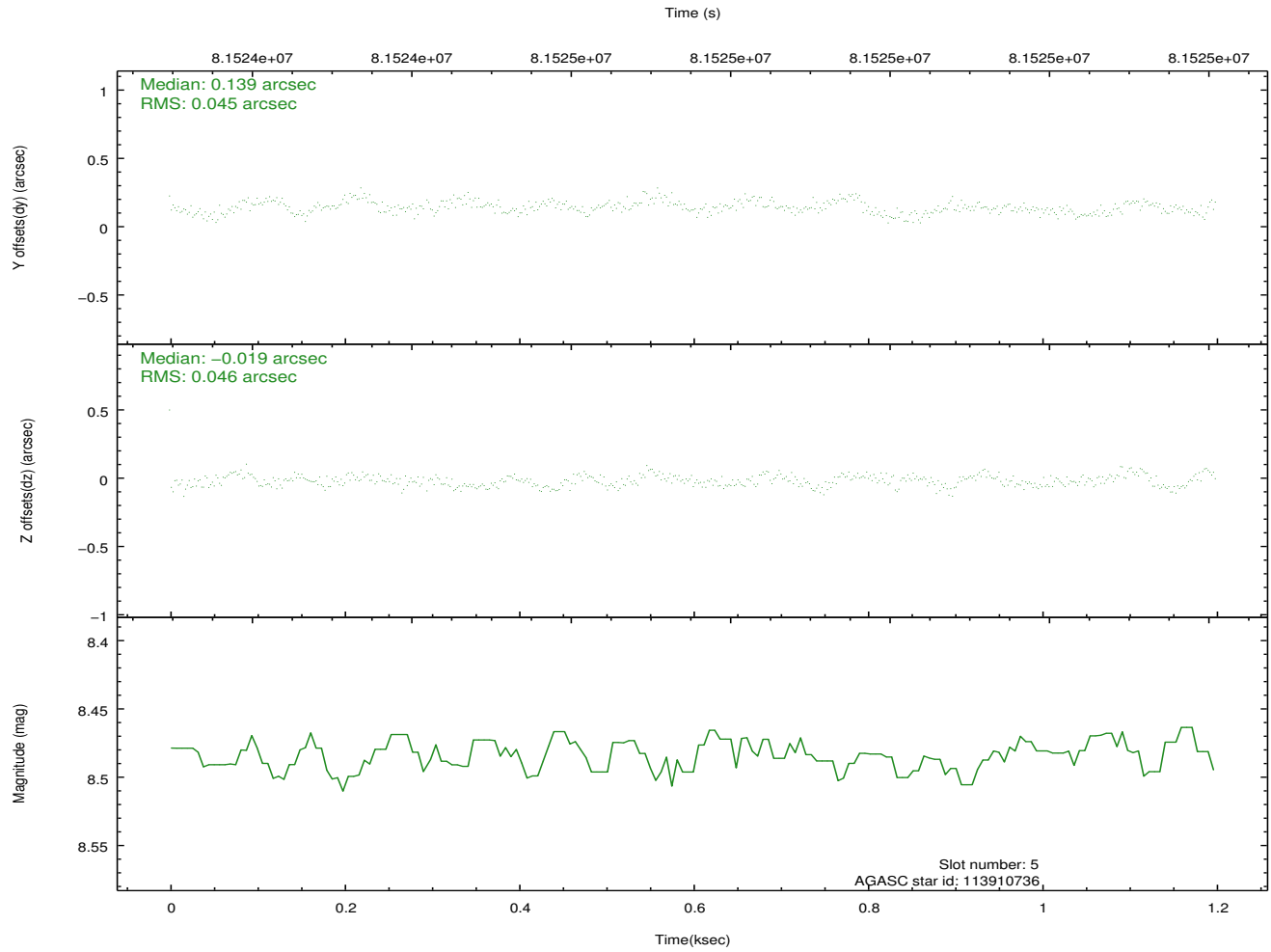
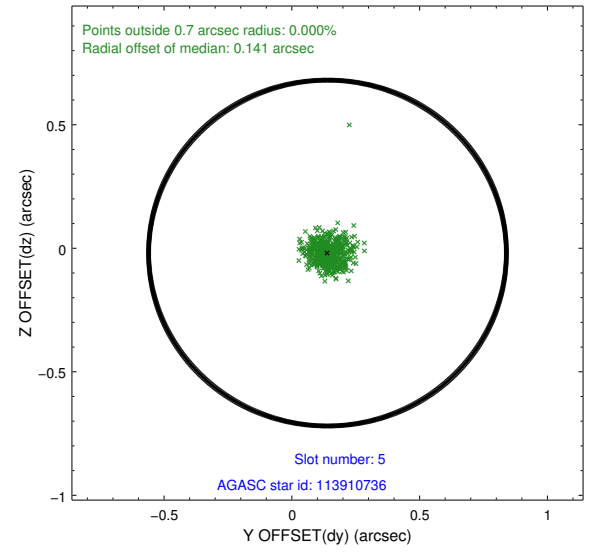
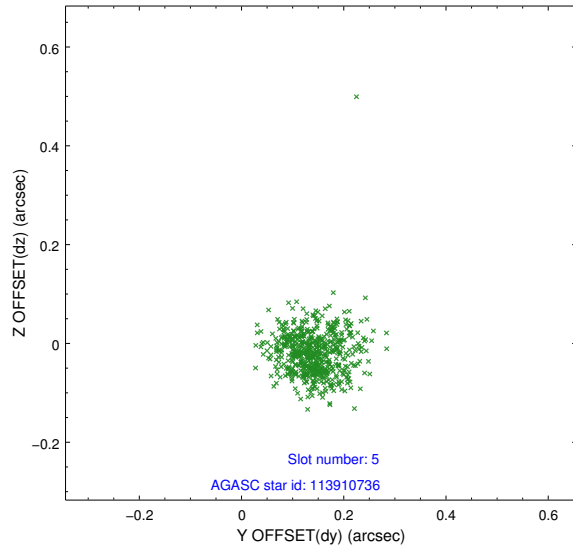
2.4.1 Slot 3



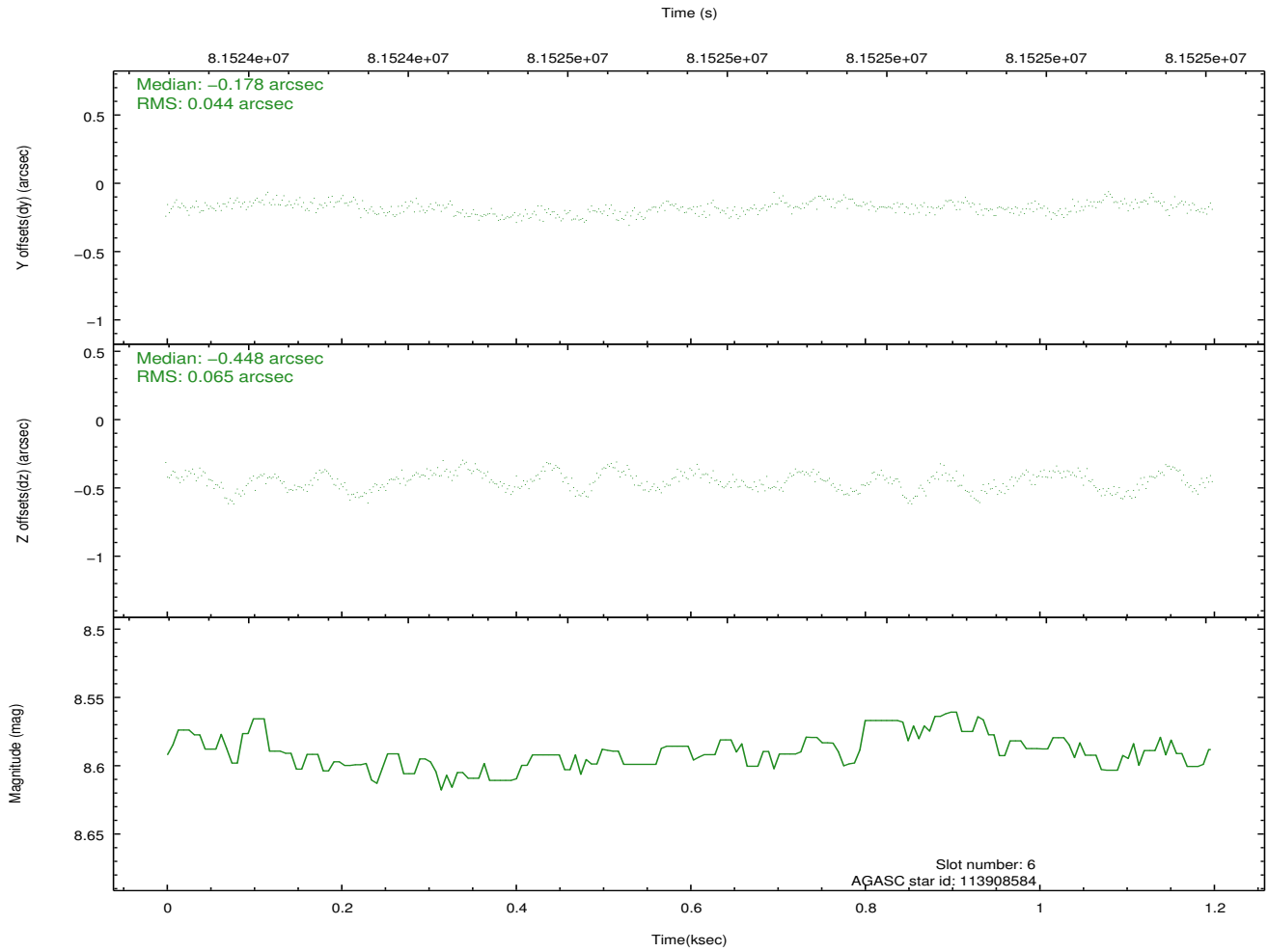
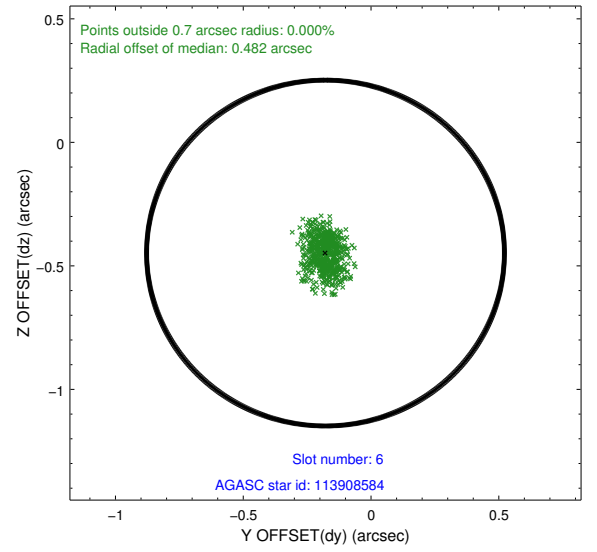
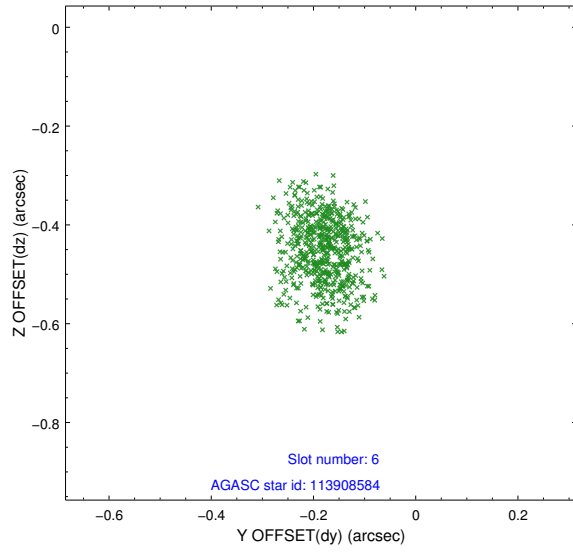
2.4.2 Slot 4



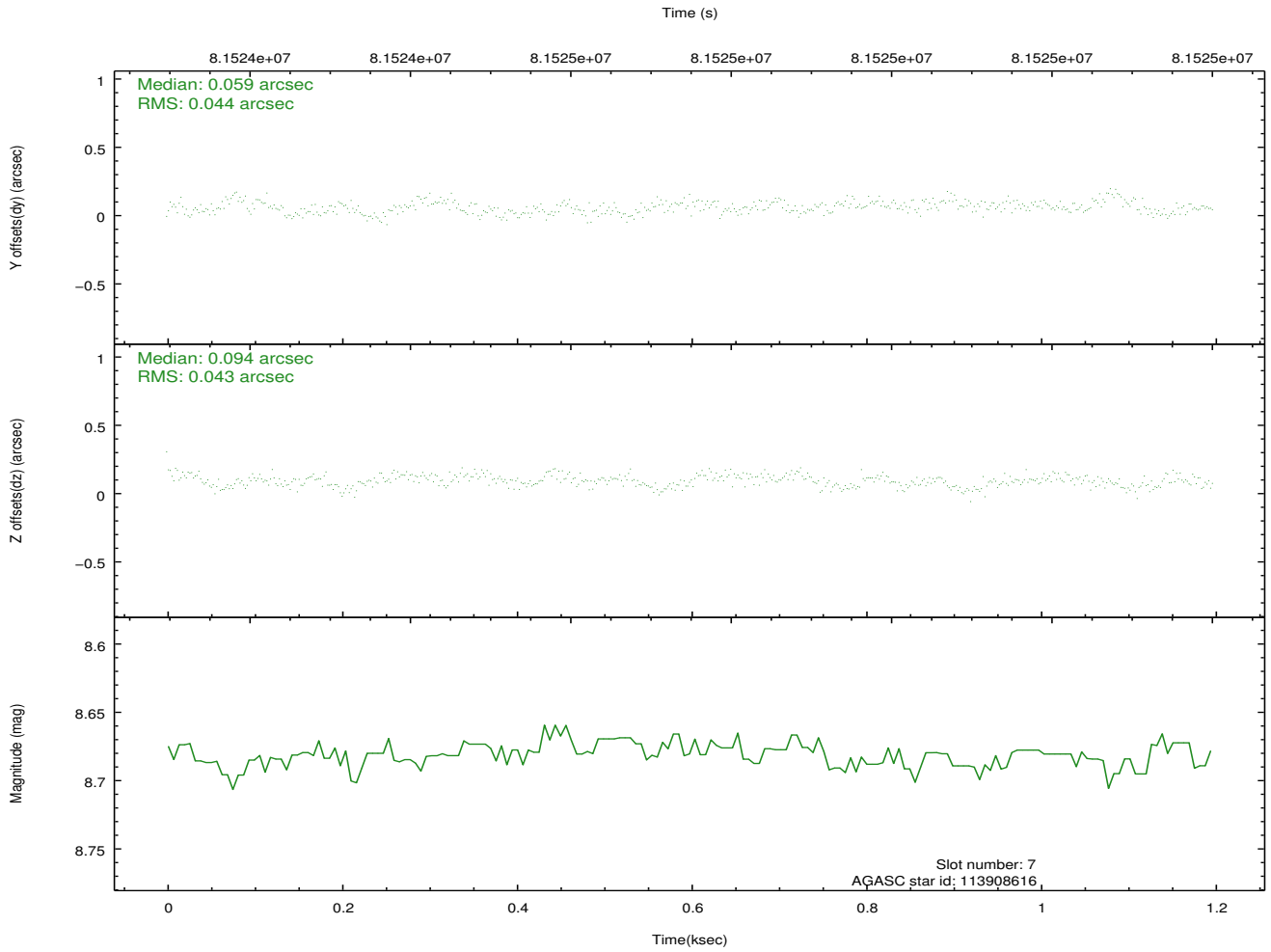
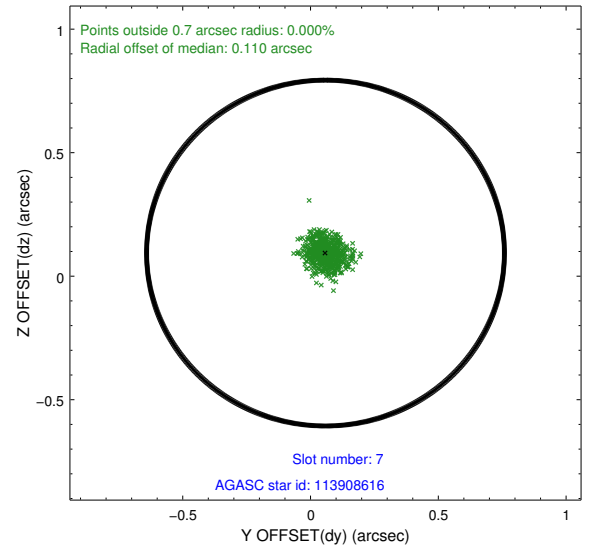
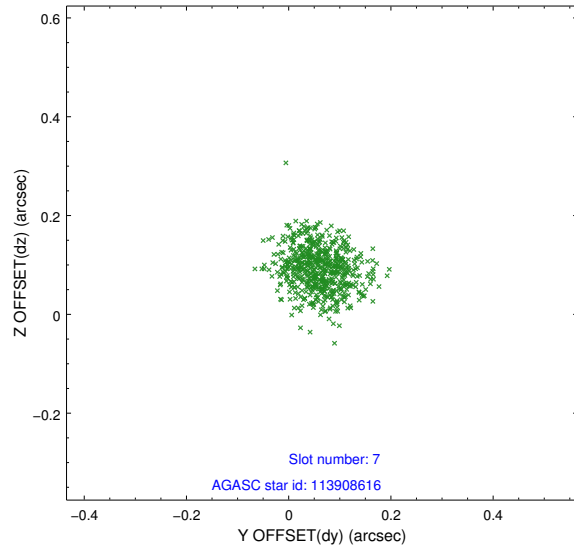
2.4.3 Slot 5



2.4.4 Slot 6

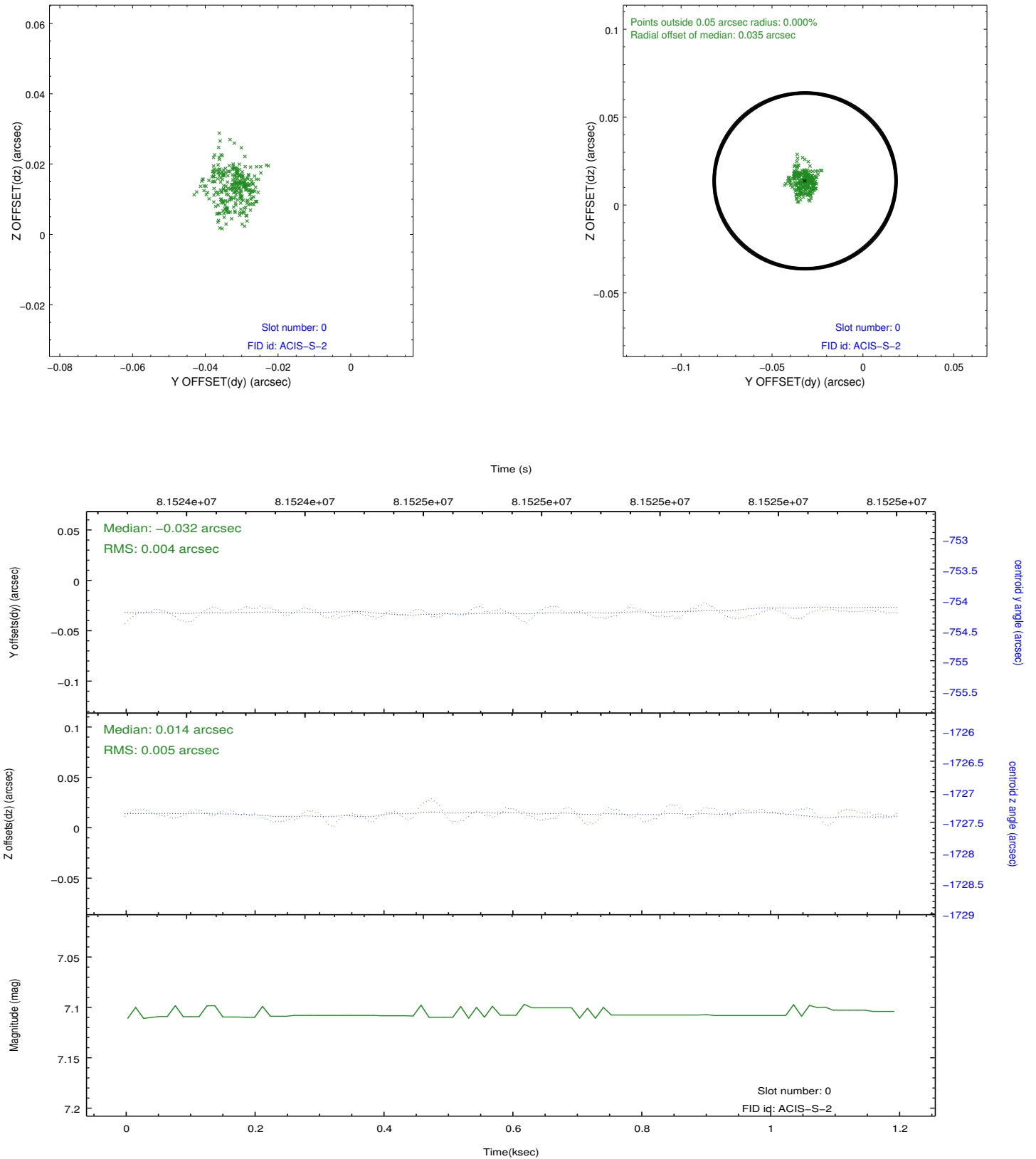


2.4.5 Slot 7

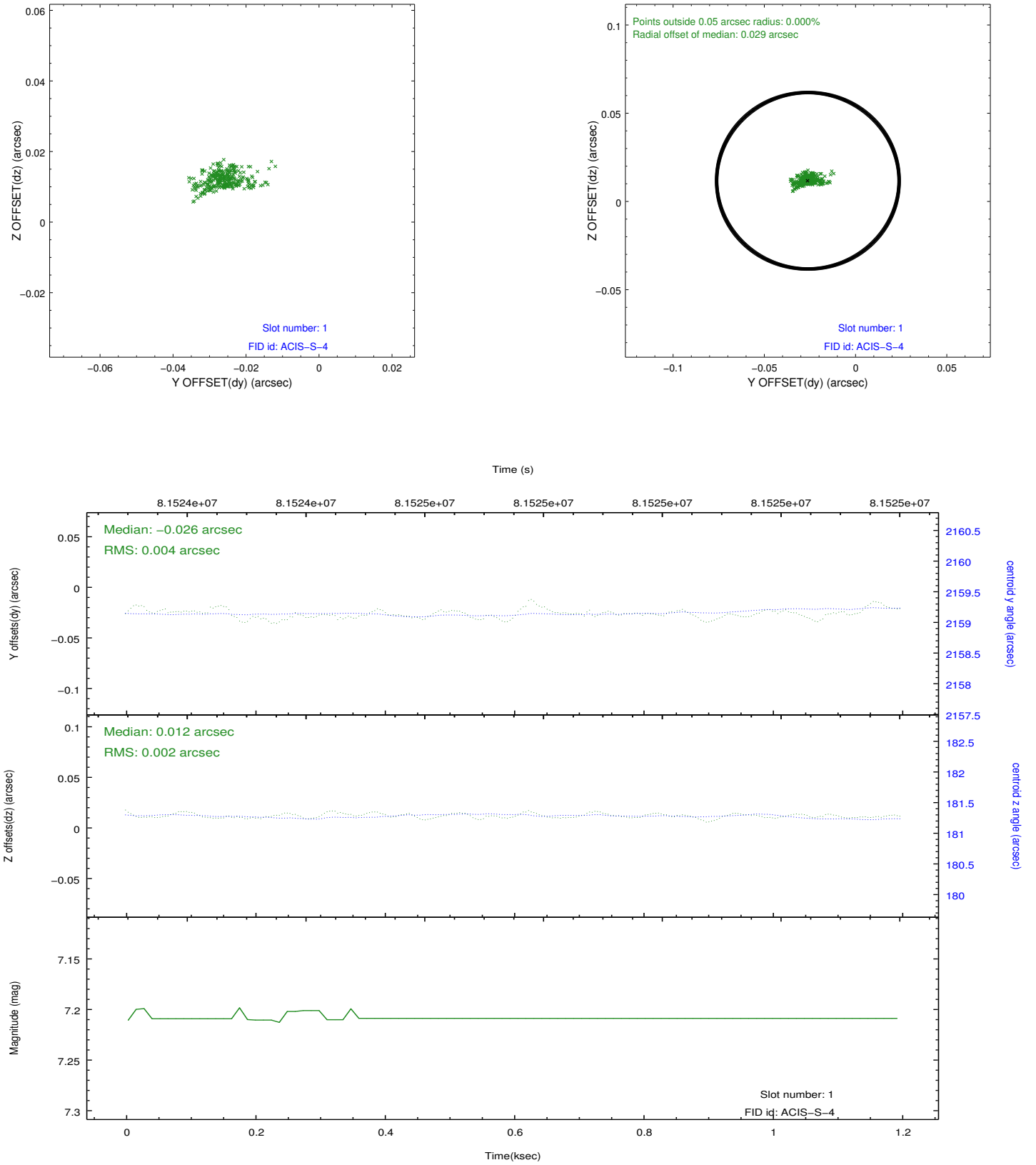


2.5 FID Slots

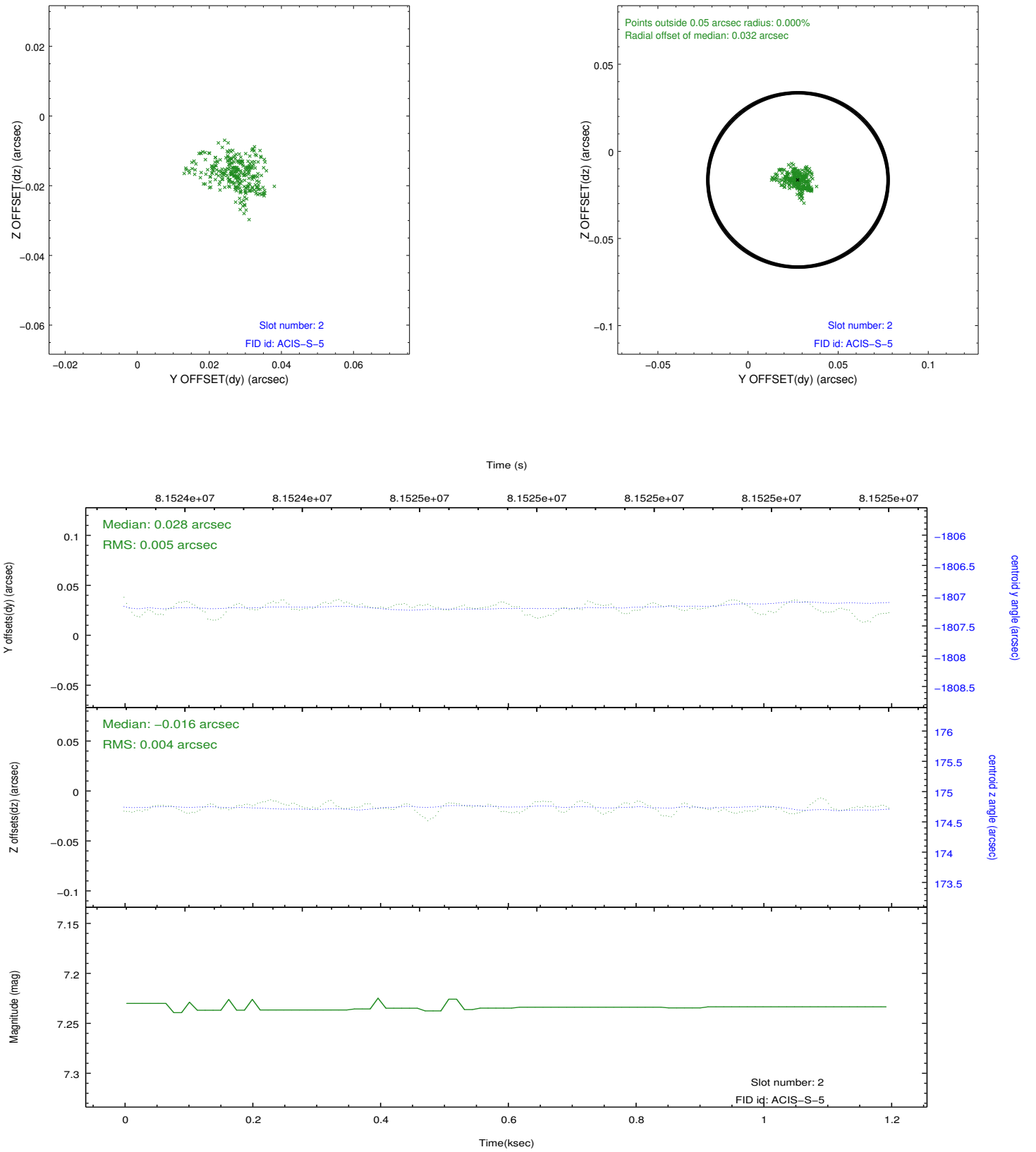
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.196

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.