

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1765 - L2 Version 4
Chandra X-Ray Center

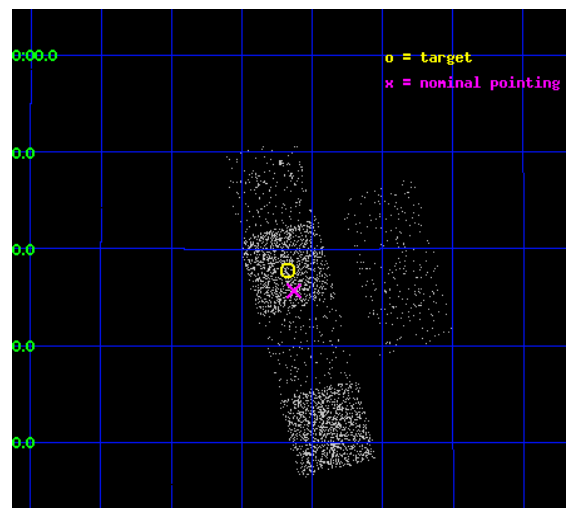
L2 Processing Date : Aug 31 2012

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1 Front

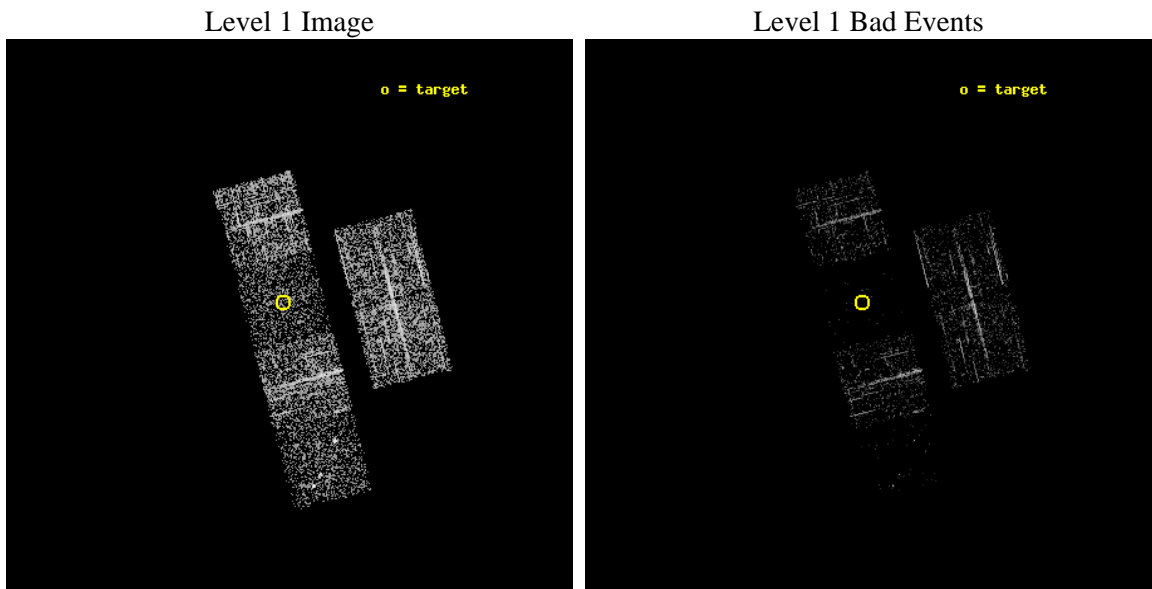
seq_num	100004	Sequence number
obs_id	1765	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.54382	Observer's specified target RA [deg]
dec_targ	10.63056	Observer's specified target Dec [deg]
ra_nom	182.53237530708	Nominal RA [deg]
dec_nom	10.59450487435	Nominal Dec [deg]
roll_nom	255.72416864766	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1190.4000010937	Sum of GTIs [s]
livetime	1175.3264395071	Livetime [s]
ontime2	1190.4000010937	Sum of GTIs [s]
ontime3	1190.4000010937	Sum of GTIs [s]
ontime5	1190.4000010937	Sum of GTIs [s]
ontime6	1190.4000010937	Sum of GTIs [s]
ontime7	1190.4000010937	Sum of GTIs [s]
ontime8	1190.4000010937	Sum of GTIs [s]
l2events	3348	Number of level 2 events



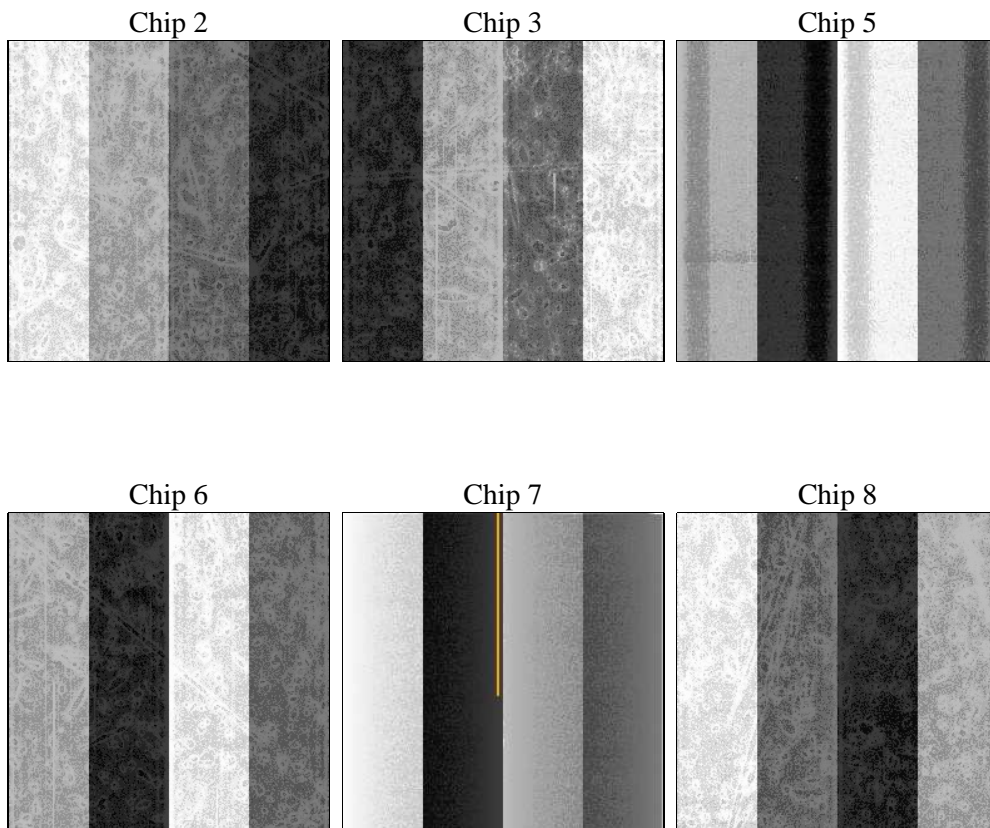
2 OBI

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	1190.4000010937	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1190.4000010937	Sum of GTIs [s]
date	2012-08-31T12:01:59	Date and time of file creation	ontime3	1190.4000010937	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1190.4000010937	Sum of GTIs [s]
			ontime6	1190.4000010937	Sum of GTIs [s]
			ontime7	1190.4000010937	Sum of GTIs [s]
			ontime8	1190.4000010937	Sum of GTIs [s]
			l1events	27830	Number of level 1 events

2.1.4 Events

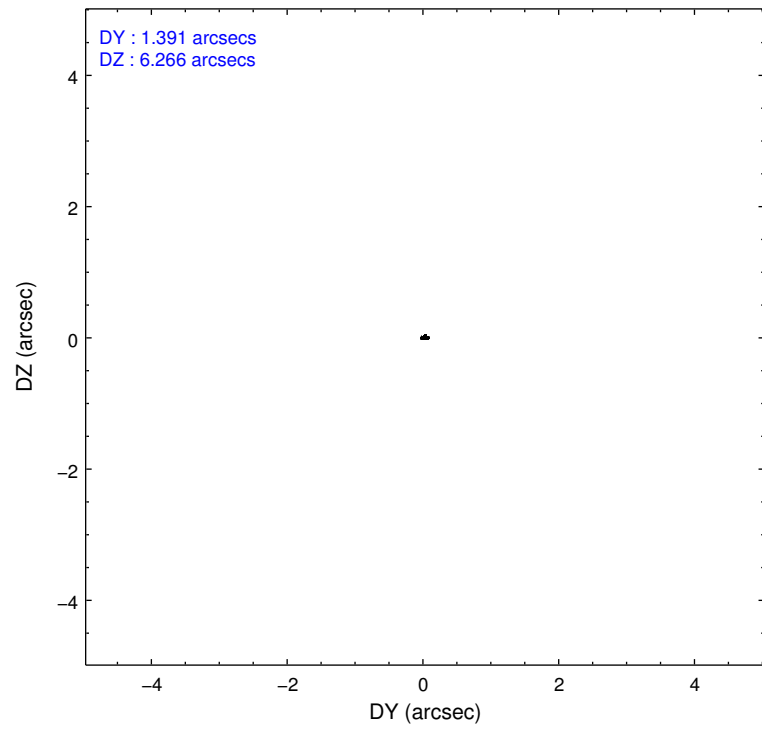
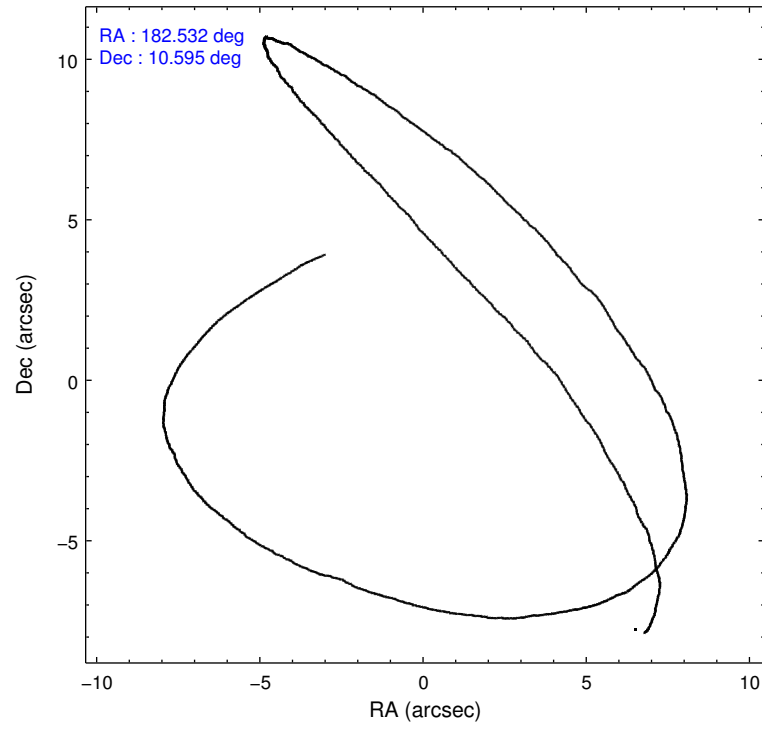
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6227	5801	2415	5493	1800	6094
rejected events	5999	5647	572	5293	388	5056
rejected %	96%	97%	23%	96%	21%	82%

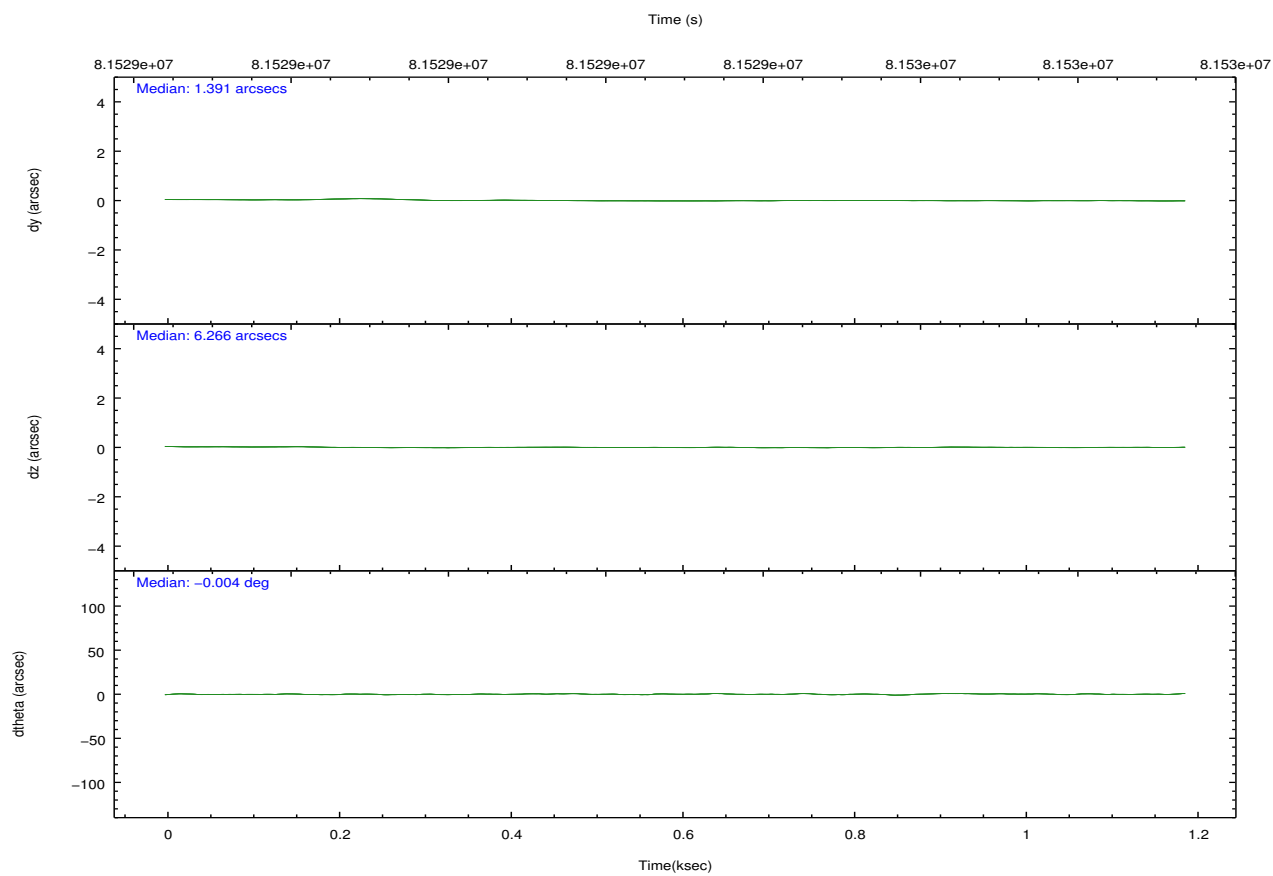
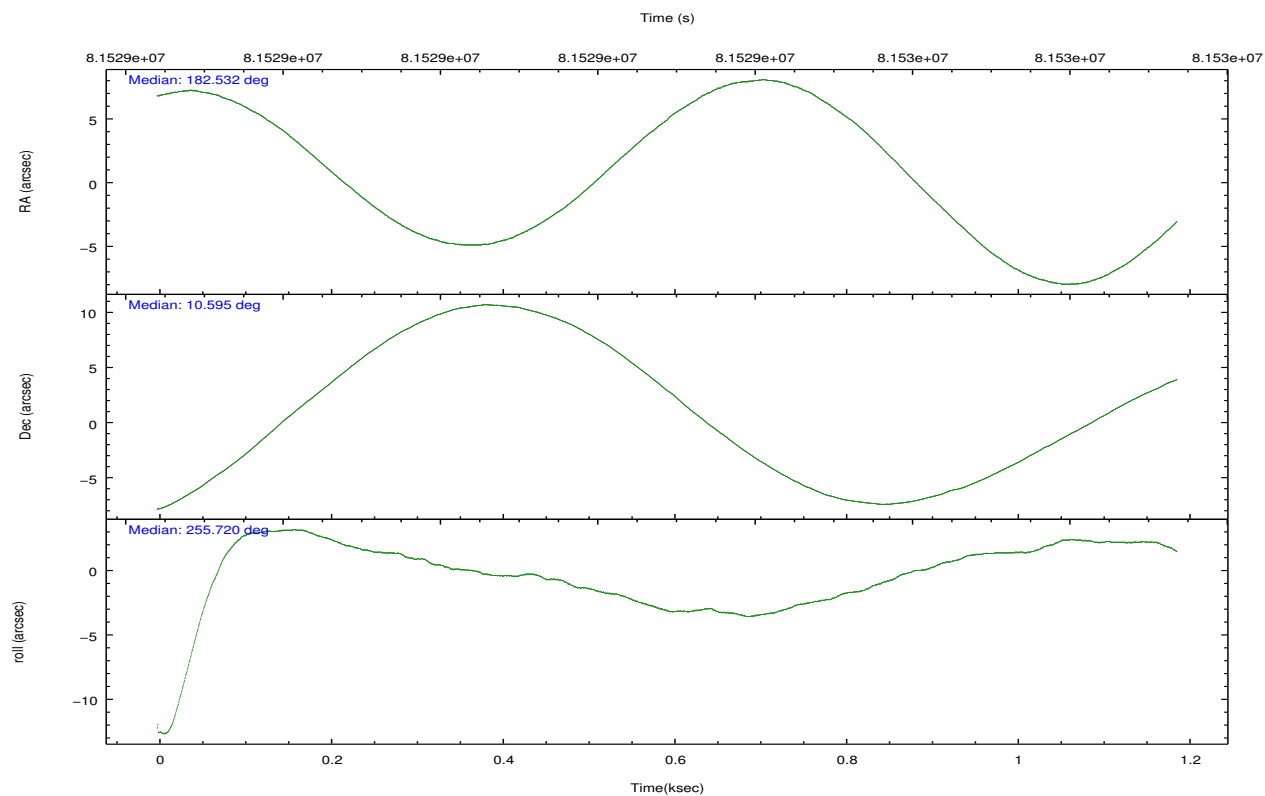
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	148	90	1076	147	571	374
	2%	1%	44%	2%	31%	6%
grade 1 events	3	2	15	2	2	1
	0%	0%	0%	0%	0%	0%
grade 2 events	53	32	588	30	447	241
	0%	0%	24%	0%	24%	3%
grade 3 events	31	24	176	26	202	126
	0%	0%	7%	0%	11%	2%
grade 4 events	43	32	178	35	190	108
	0%	0%	7%	0%	10%	1%
grade 5 events	3	4	39	0	21	23
	0%	0%	1%	0%	1%	0%
grade 6 events	18	20	186	14	260	467
	0%	0%	7%	0%	14%	7%
grade 7 events	5928	5597	157	5239	107	4754
	95%	96%	6%	95%	5%	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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	182.524829	182.532375307082	Subarray requested	NONE	NONE
[deg] Pointing Dec	10.620907	10.59450487434964	Alternating exposures requested	N	N
[deg] Pointing Roll	255.568995	255.7241686476618	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	81528880.184000	81528504.82839			
Observation start date	2000-08-01T14:53:36	2000-08-01T14:48:24			
[s] Observation end time (MET)	81529880.184000	81530014.653446			
Observation end date	2000-08-01T15:10:16	2000-08-01T15:13:34			
Read mode	TIMED	TIMED			

2.3 Aspect



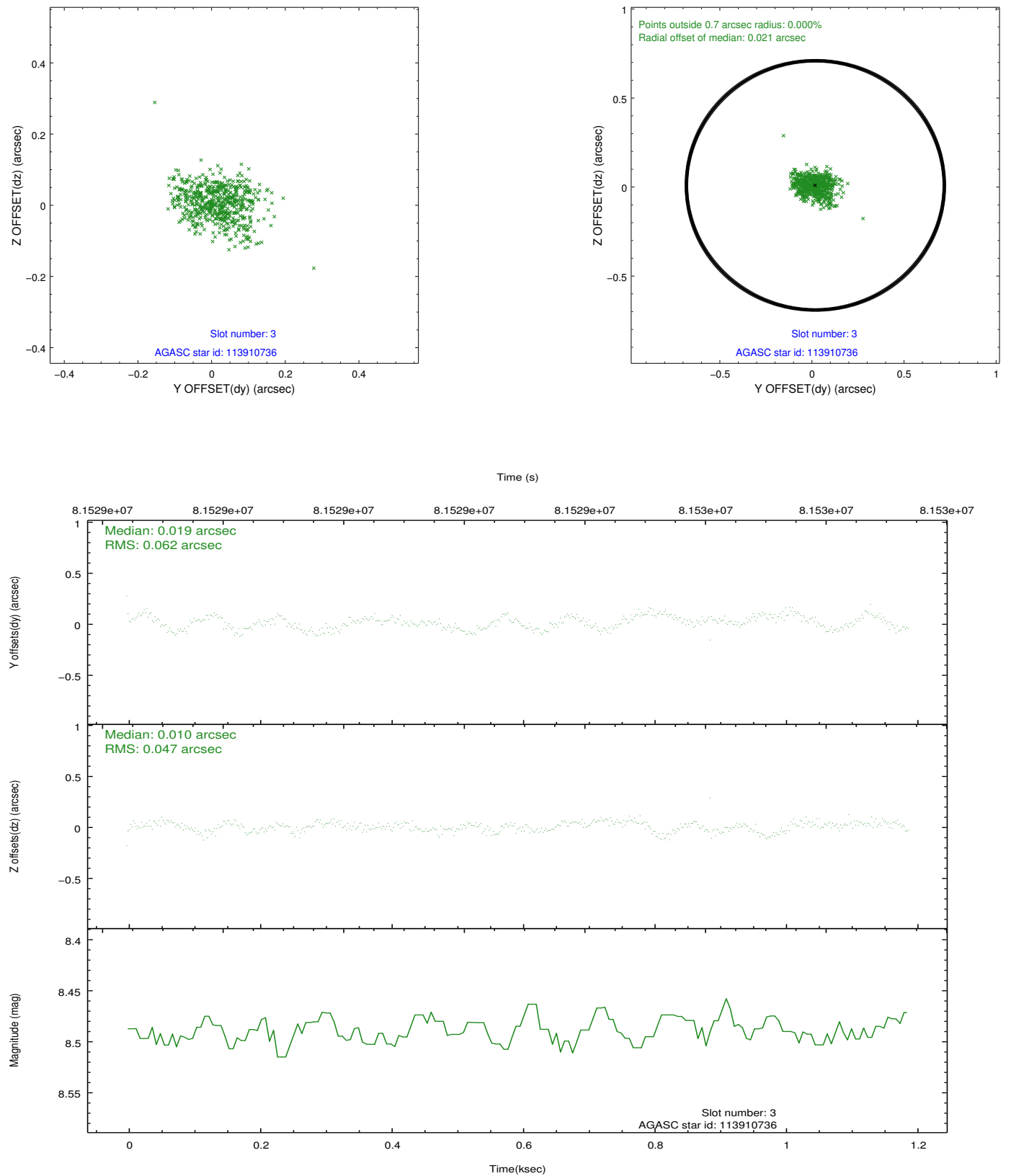


Slot Statistics

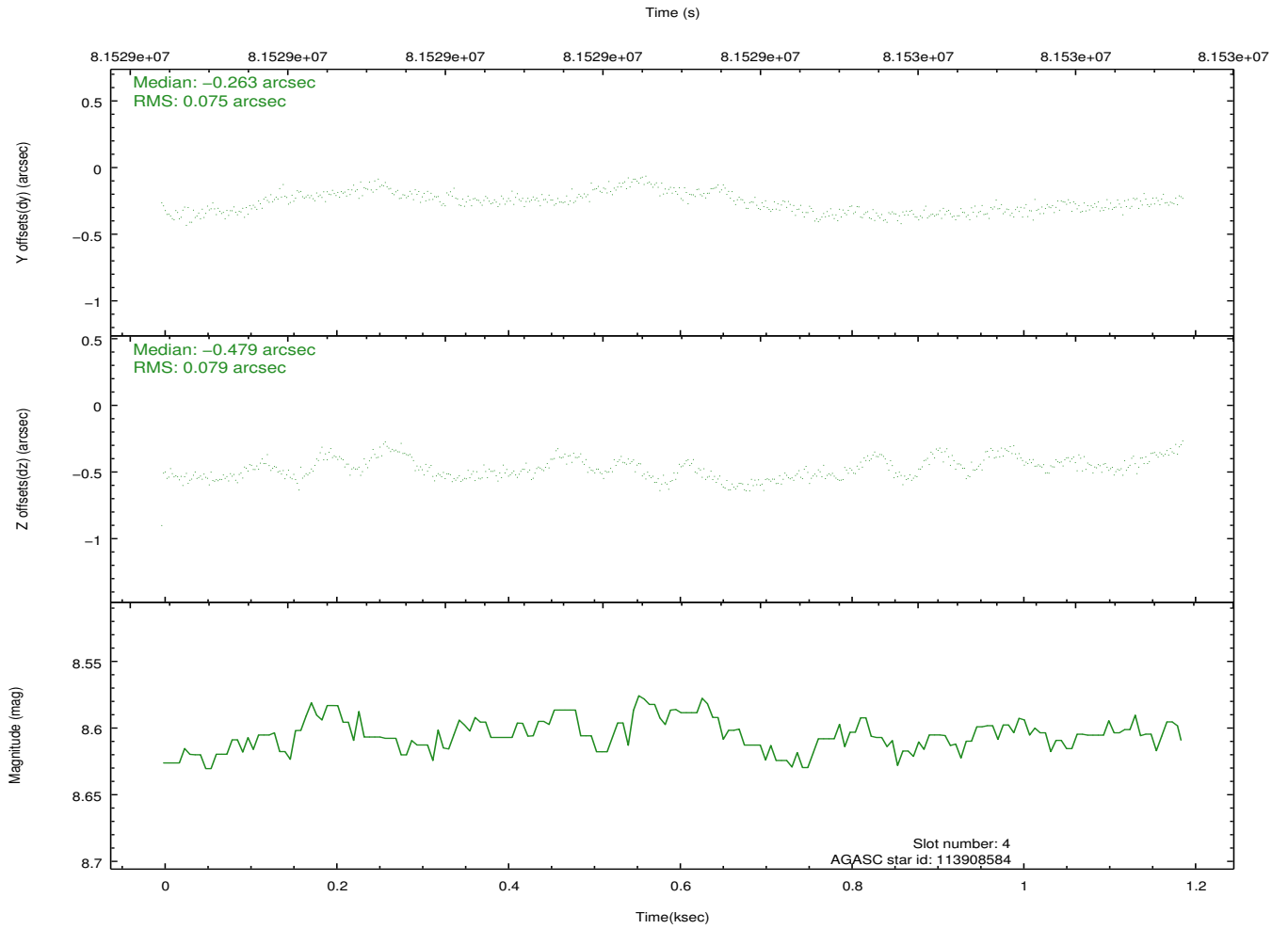
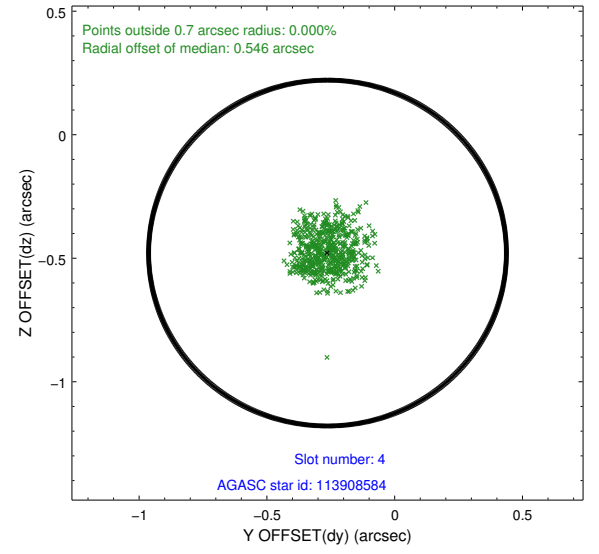
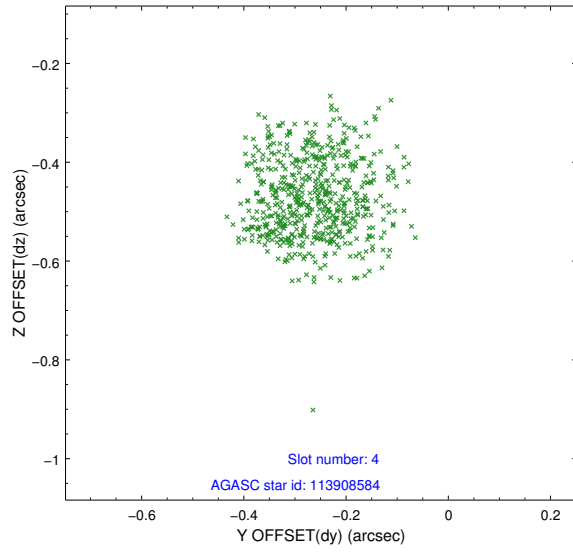
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	290	-0.033	0.014	0.006	0.011	0.000000	0.000000	-754.03	-1727.35
1	FID	ACIS-S-4	7.20	290	-0.026	0.012	0.005	0.010	0.000000	0.000000	2156.72	175.34
2	FID	ACIS-S-5	7.23	290	0.028	-0.017	0.007	0.011	0.000000	0.000000	-1799.58	175.36
3	GUIDE	113910736	8.49	581	0.019	0.010	0.084	0.132	181.816666	10.531380	934.75	-2347.54
4	GUIDE	113908584	8.61	581	-0.263	-0.479	0.118	0.174	182.320674	11.291738	-2157.52	-1304.52
5	GUIDE	113909952	9.87	581	0.272	0.138	0.096	0.157	182.703120	10.082649	1715.86	1093.08
6	GUIDE	113908616	8.67	581	0.018	0.074	0.065	0.107	182.402585	11.211583	-1948.36	-946.11
7	GUIDE	113906688	7.24	580	-0.039	0.262	0.053	0.088	183.194115	11.111362	-2304.80	1847.69

2.4 Star Slots

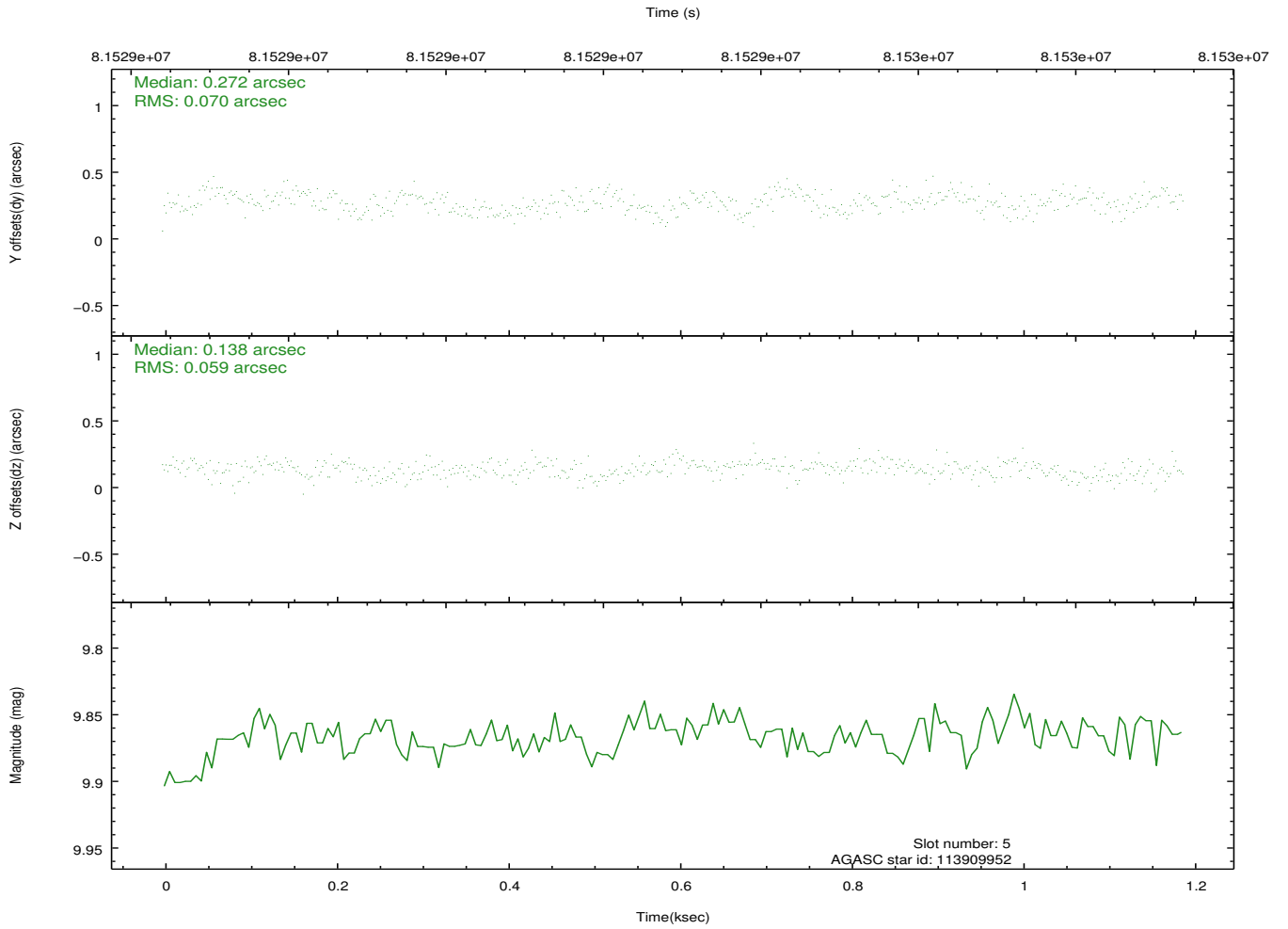
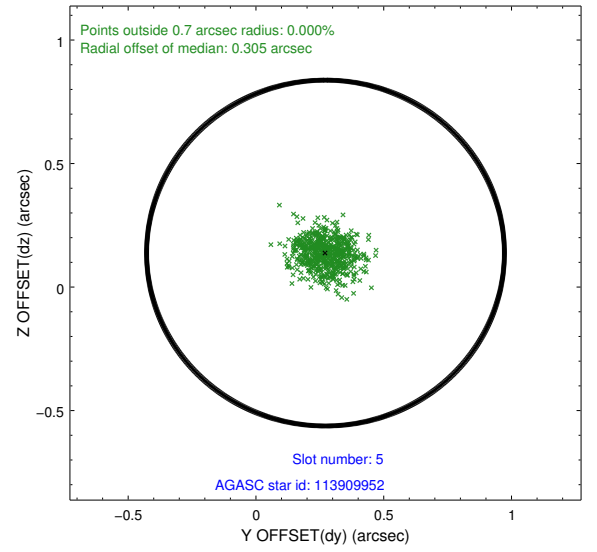
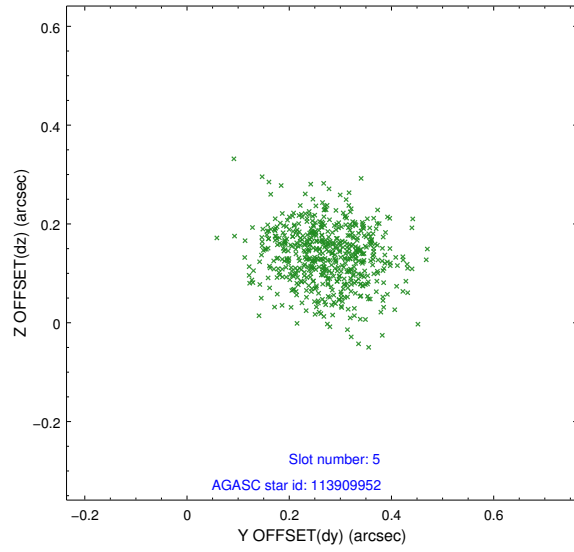
2.4.1 Slot 3



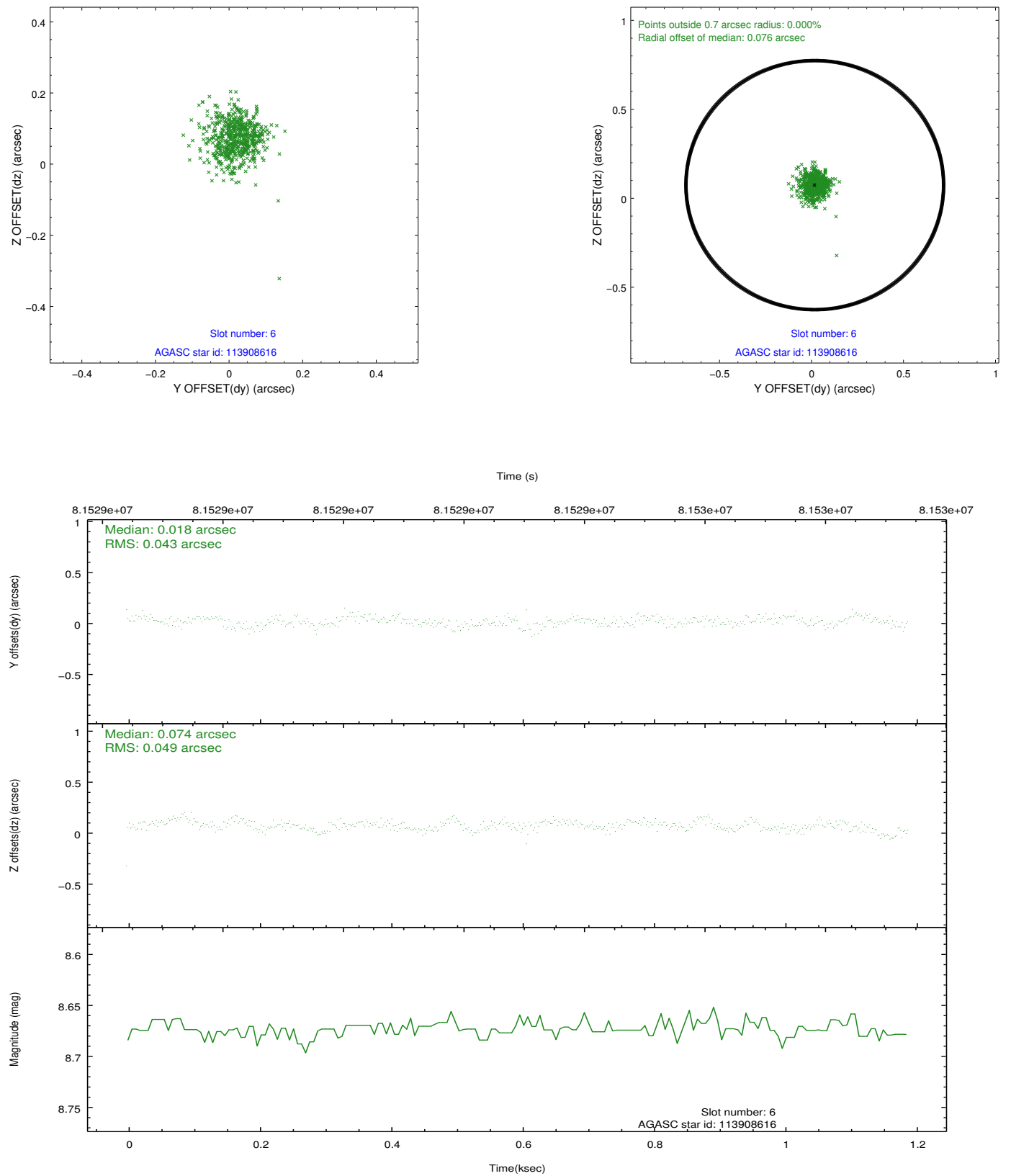
2.4.2 Slot 4



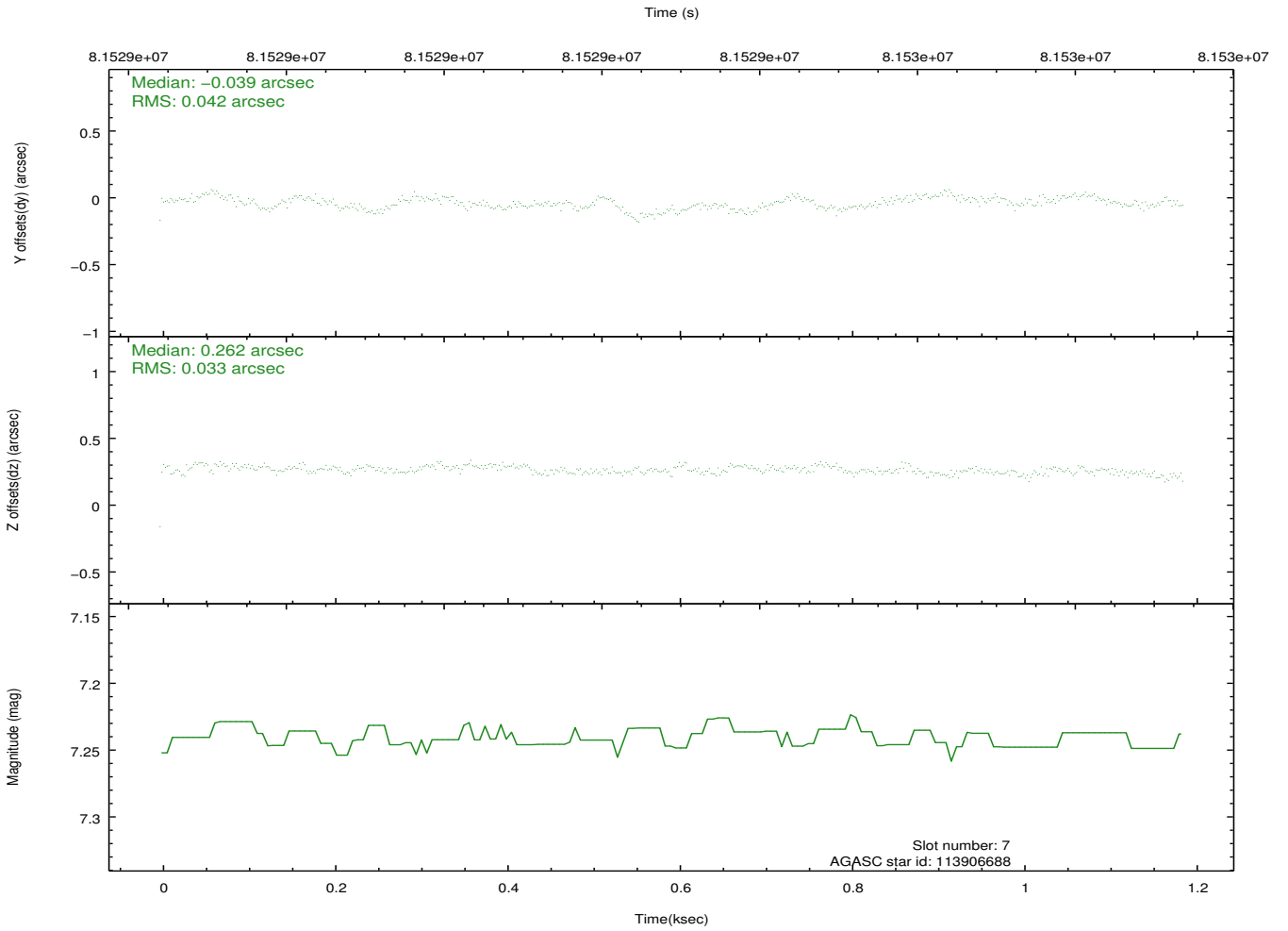
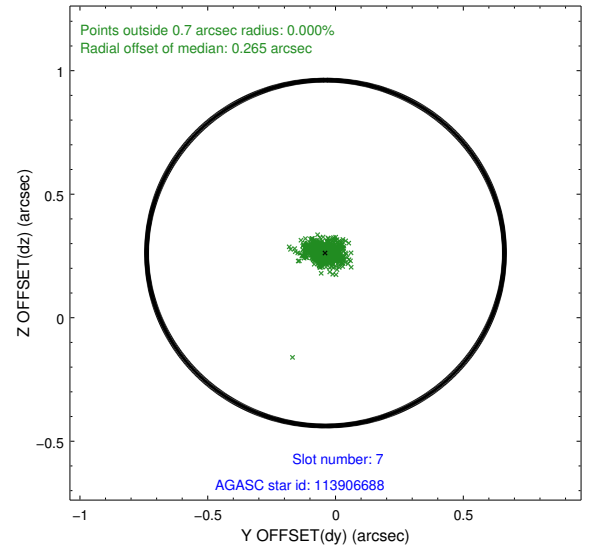
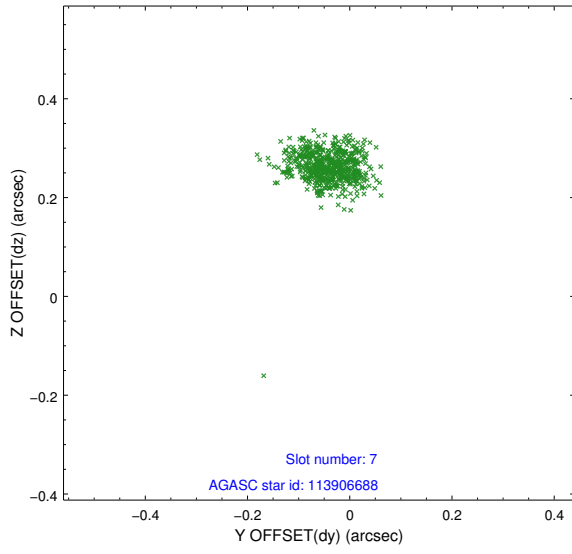
2.4.3 Slot 5



2.4.4 Slot 6

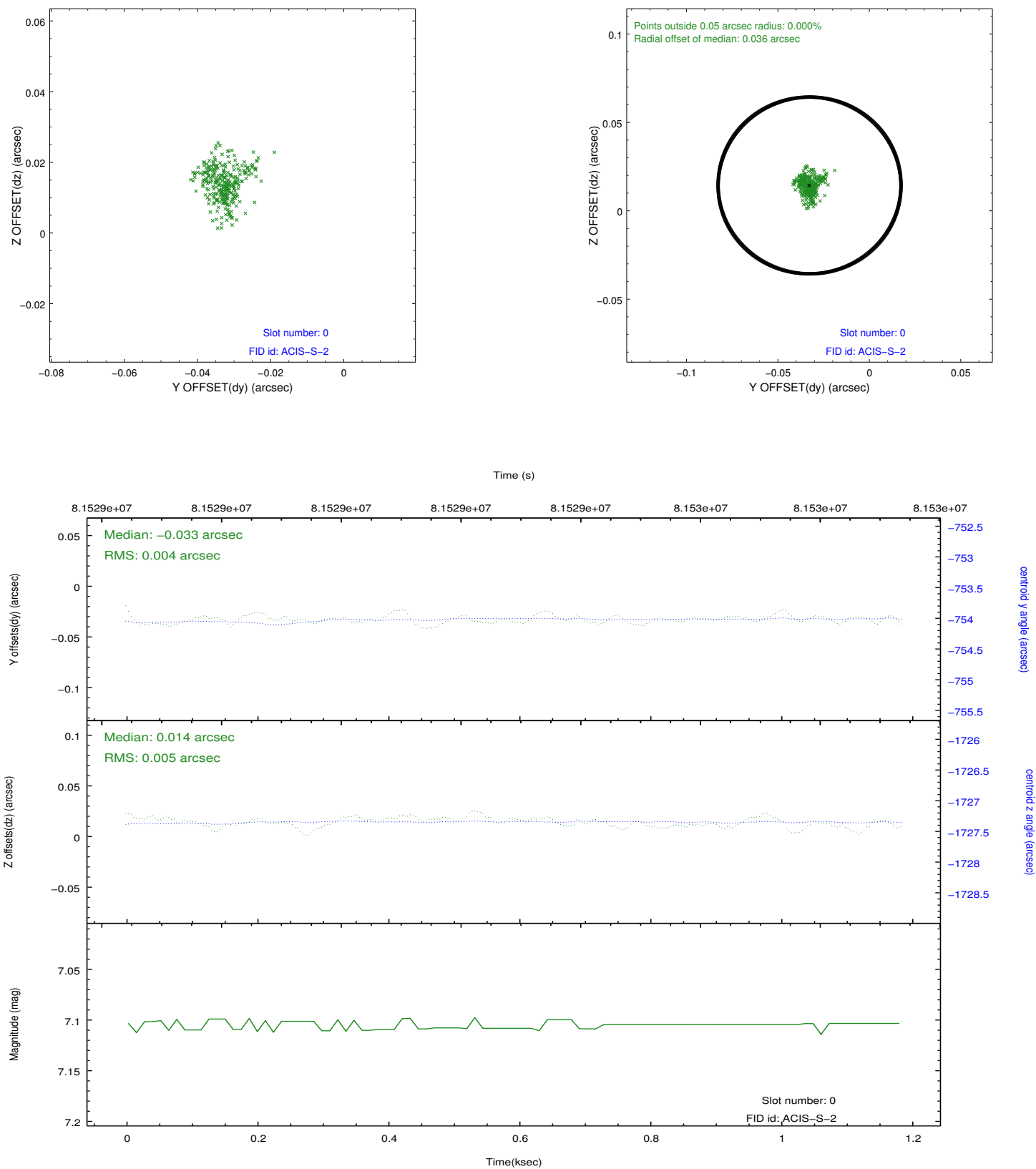


2.4.5 Slot 7

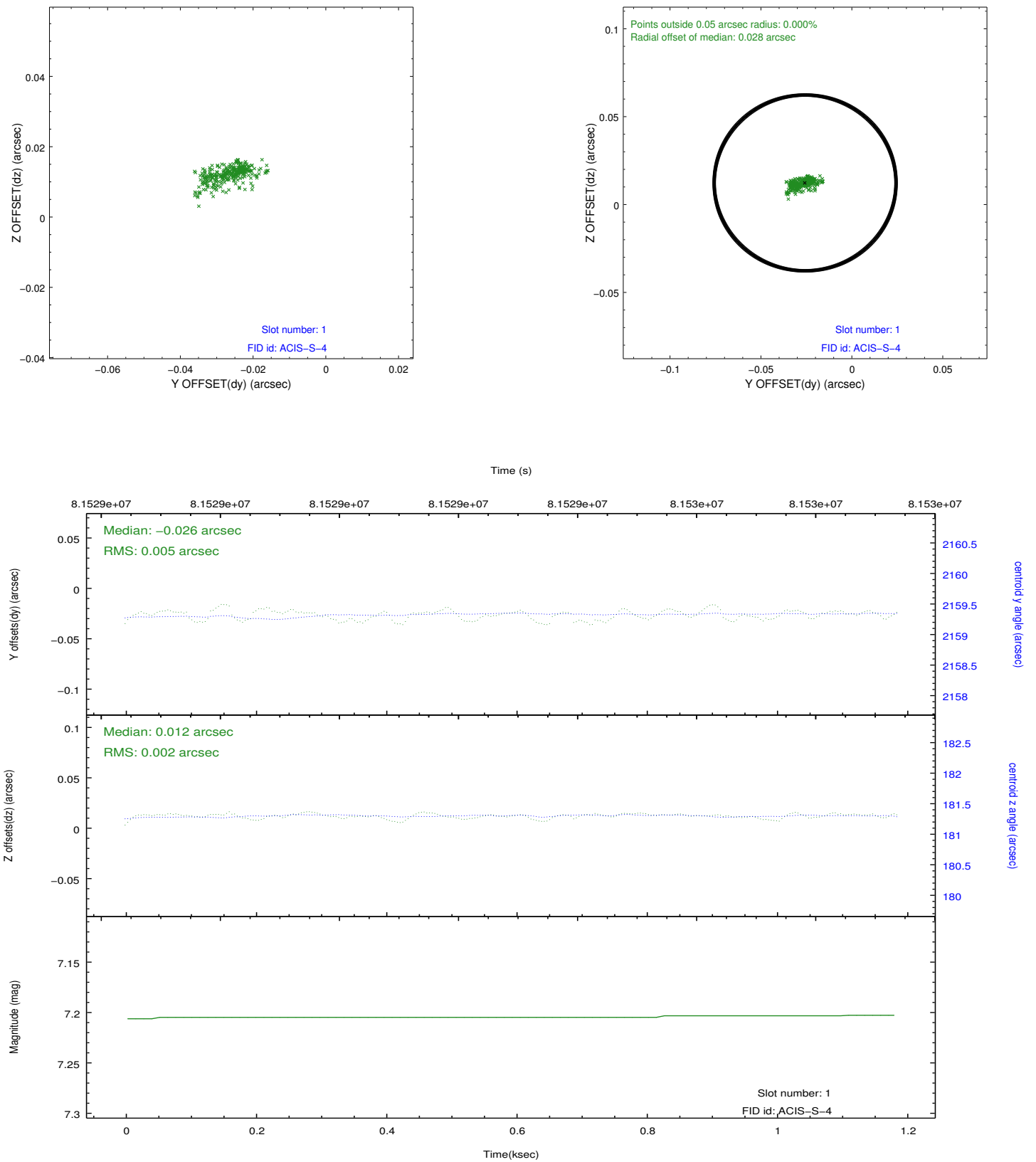


2.5 FID Slots

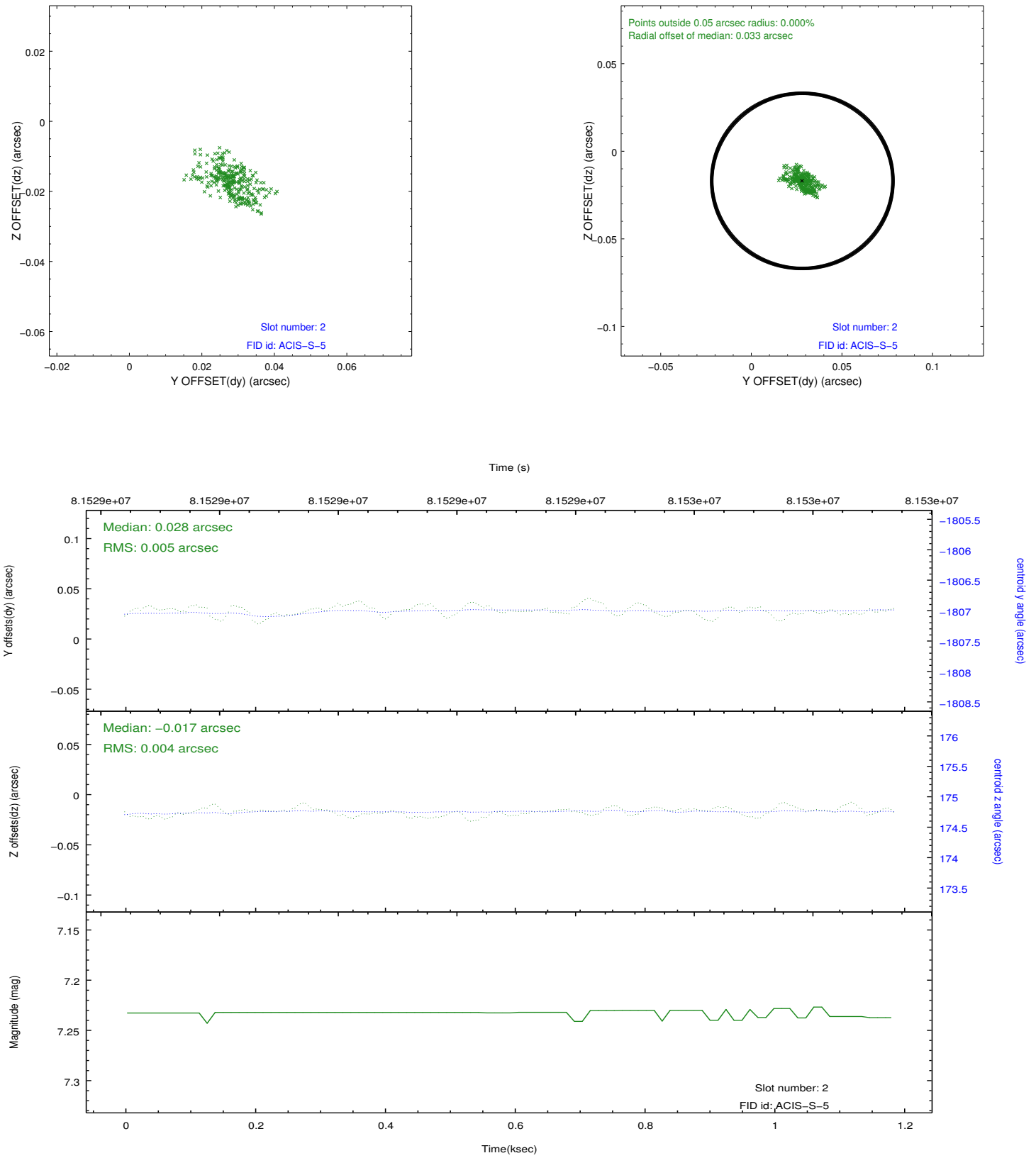
2.5.1 Slot 0



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)	2012.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.19

A.2 Comments