

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1766 - L2 Version 4
Chandra X-Ray Center

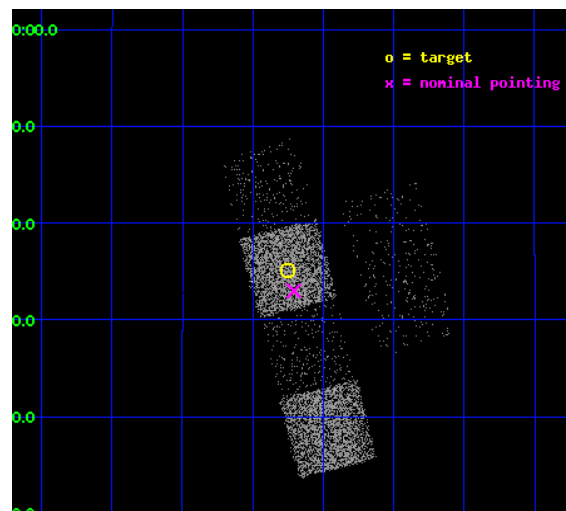
L2 Processing Date : Aug 31 2012

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

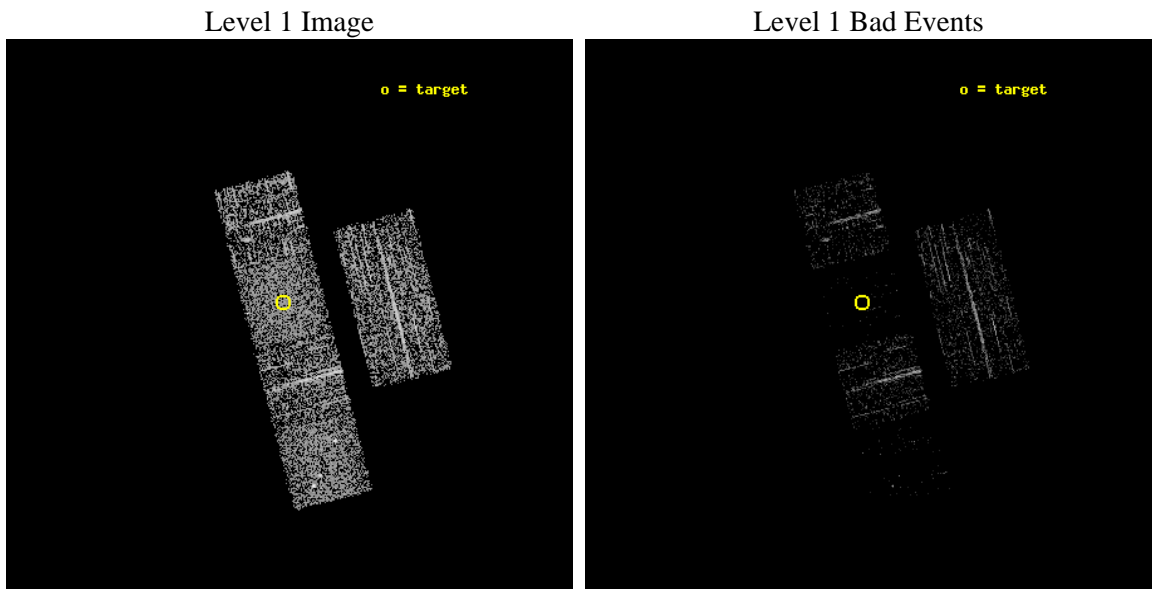
seq_num	100004	Sequence number
obs_id	1766	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.56373	Observer's specified target RA [deg]
dec_targ	10.58592	Observer's specified target Dec [deg]
ra_nom	182.55214354419	Nominal RA [deg]
dec_nom	10.550130243951	Nominal Dec [deg]
roll_nom	255.69231601339	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1193.6000010967	Sum of GTIs [s]
livetime	1178.4859191832	Livetime [s]
ontime2	1193.6000010967	Sum of GTIs [s]
ontime3	1193.6000010967	Sum of GTIs [s]
ontime5	1193.6000010967	Sum of GTIs [s]
ontime6	1193.6000010967	Sum of GTIs [s]
ontime7	1193.6000010967	Sum of GTIs [s]
ontime8	1193.6000010967	Sum of GTIs [s]
l2events	8568	Number of level 2 events



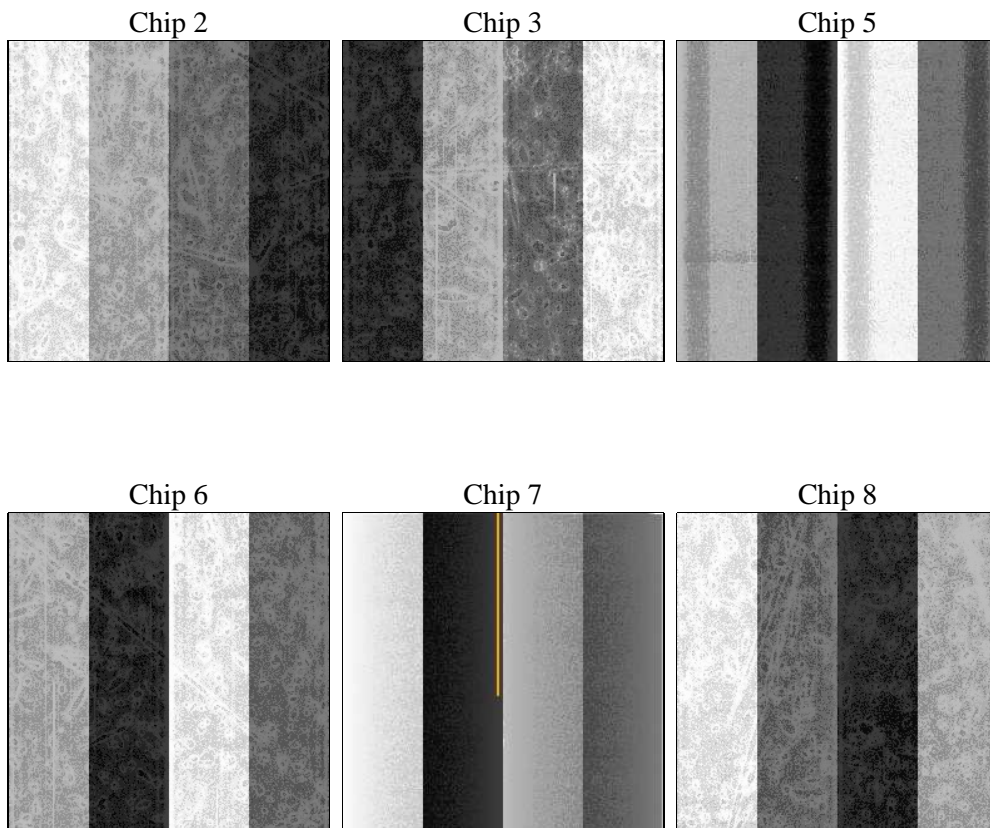
2 OBI

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	1193.6000010967	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1193.6000010967	Sum of GTIs [s]
date	2012-08-31T12:02:22	Date and time of file creation	ontime3	1193.6000010967	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1193.6000010967	Sum of GTIs [s]
			ontime6	1193.6000010967	Sum of GTIs [s]
			ontime7	1193.6000010967	Sum of GTIs [s]
			ontime8	1193.6000010967	Sum of GTIs [s]
			l1events	32889	Number of level 1 events

2.1.4 Events

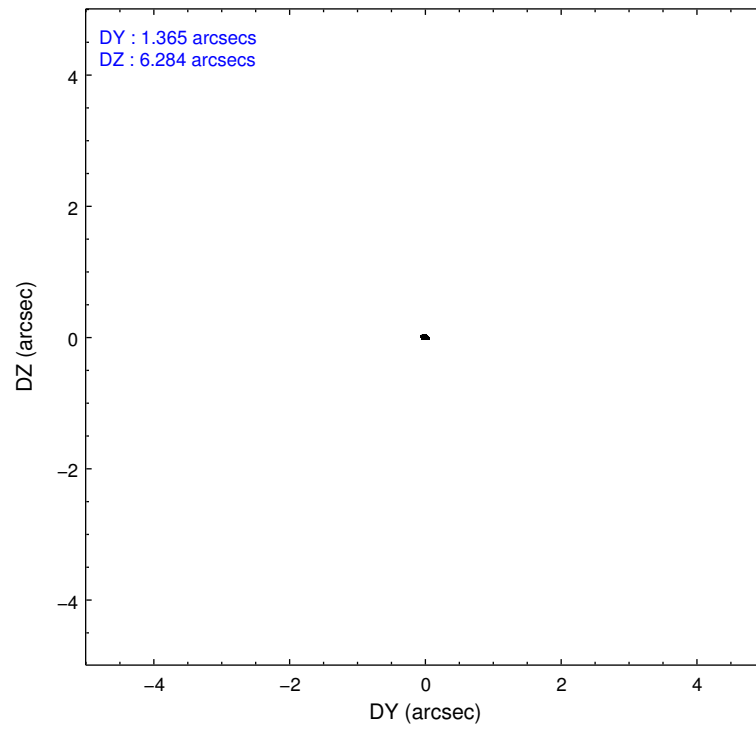
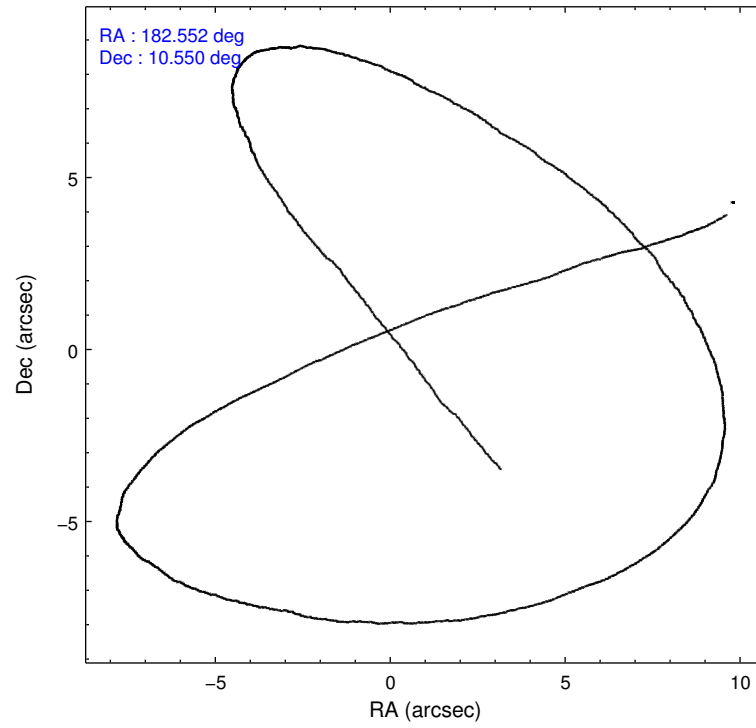
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5876	5728	4933	5699	4639	6014
rejected events	5626	5556	709	5385	529	4773
rejected %	95%	96%	14%	94%	11%	79%

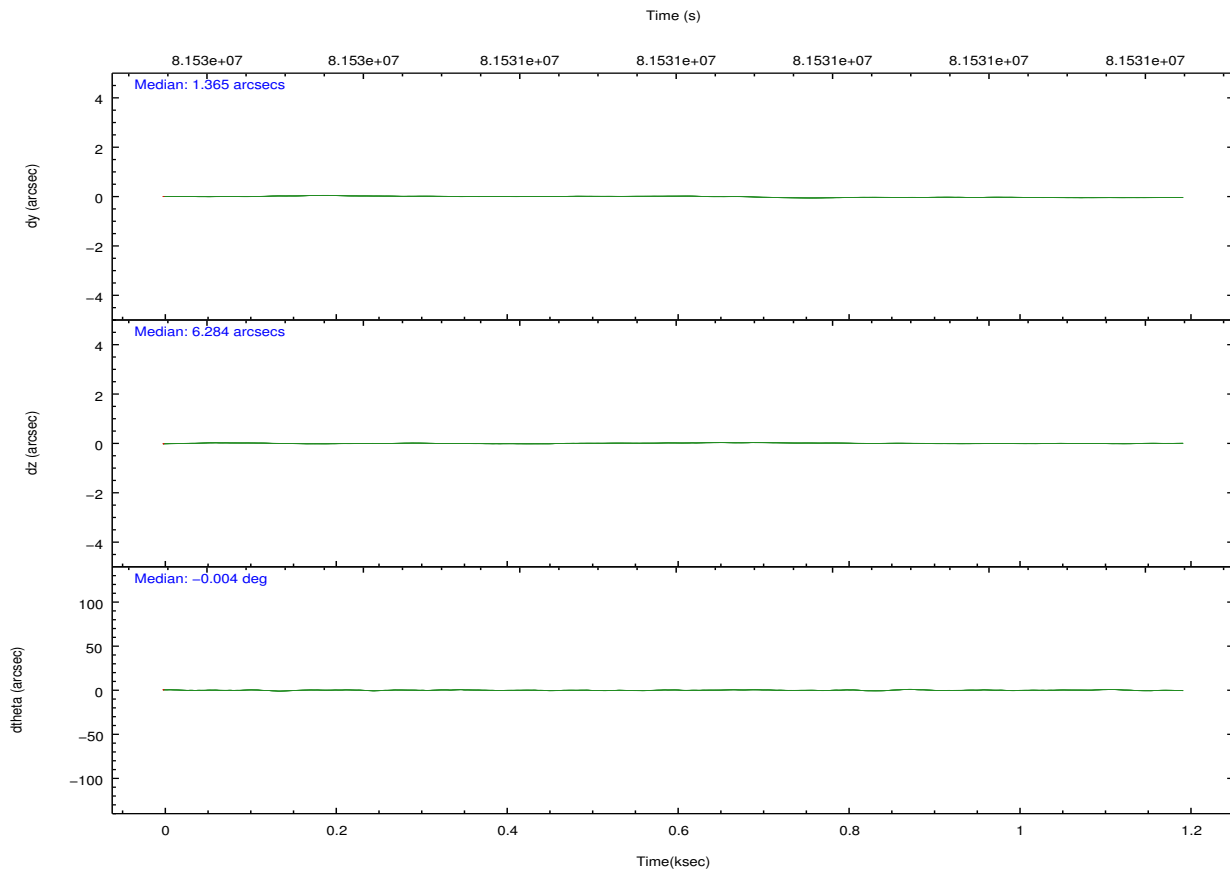
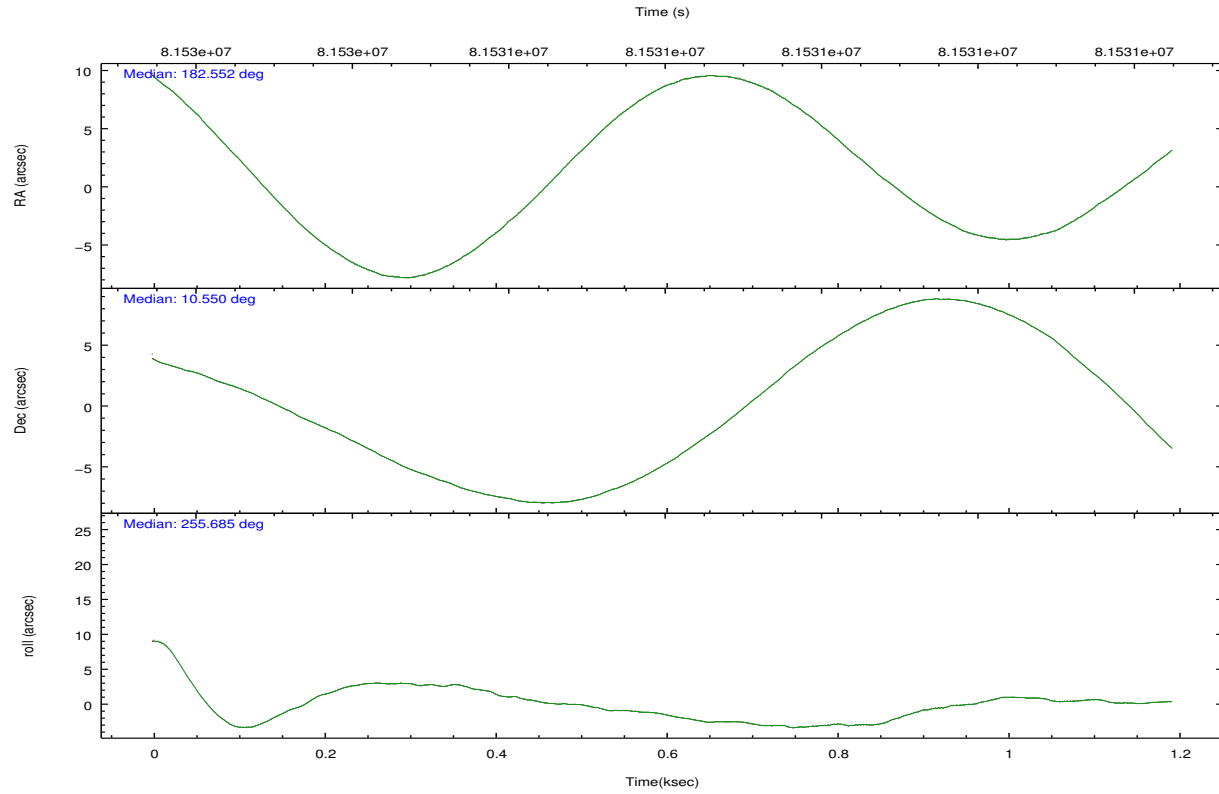
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	153	117	1975	281	1437	501
	2%	2%	40%	4%	30%	8%
grade 1 events	1	3	21	3	3	2
	0%	0%	0%	0%	0%	0%
grade 2 events	34	21	1292	29	1127	257
	0%	0%	26%	0%	24%	4%
grade 3 events	37	37	445	35	529	217
	0%	0%	9%	0%	11%	3%
grade 4 events	38	27	410	40	505	185
	0%	0%	8%	0%	10%	3%
grade 5 events	3	4	65	4	40	21
	0%	0%	1%	0%	0%	0%
grade 6 events	28	18	517	14	877	310
	0%	0%	10%	0%	18%	5%
grade 7 events	5582	5501	208	5293	121	4521
	94%	96%	4%	92%	2%	75%

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	182.544737	182.5521435441915	Subarray requested	NONE	NONE
[deg] Pointing Dec	10.576277	10.55013024395138	Alternating exposures requested	N	N
[deg] Pointing Roll	255.537000	255.6923160133904	[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)	81530390.184000	81530014.653446			
Observation start date	2000-08-01T15:18:46	2000-08-01T15:13:34			
[s] Observation end time (MET)	81531390.184000	81531524.47850201			
Observation end date	2000-08-01T15:35:26	2000-08-01T15:38:44			
Read mode	TIMED	TIMED			

2.3 Aspect



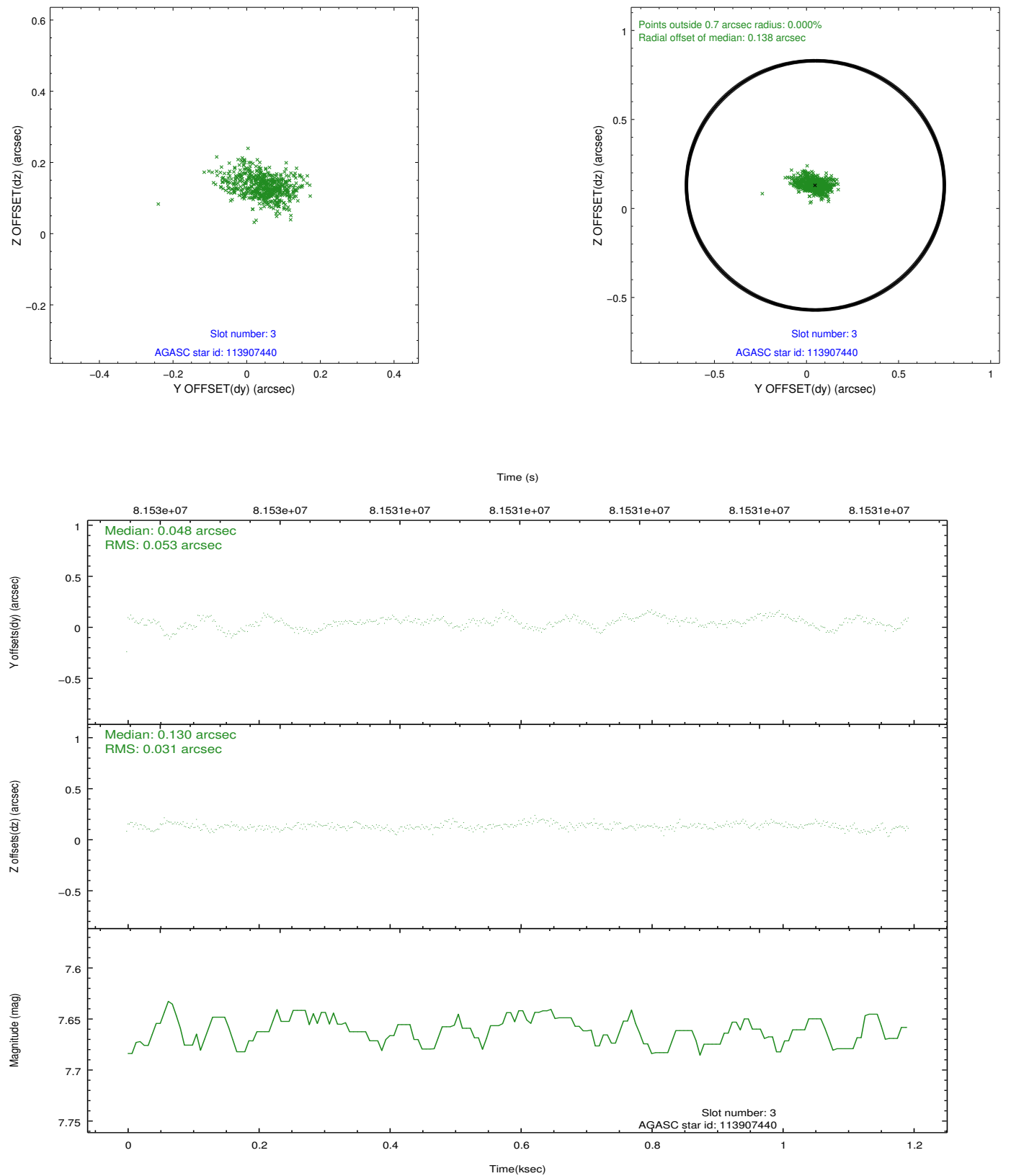


Slot Statistics

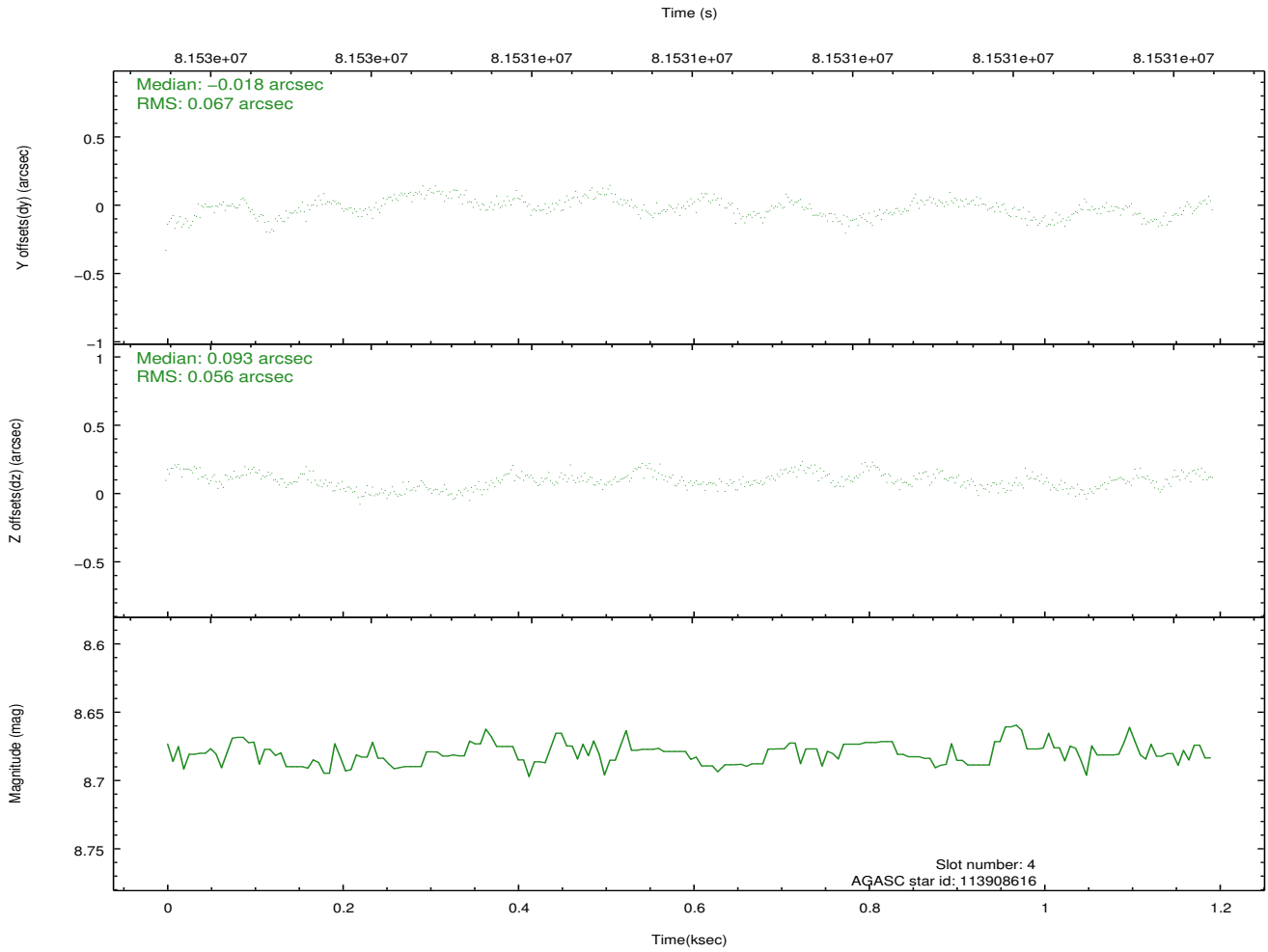
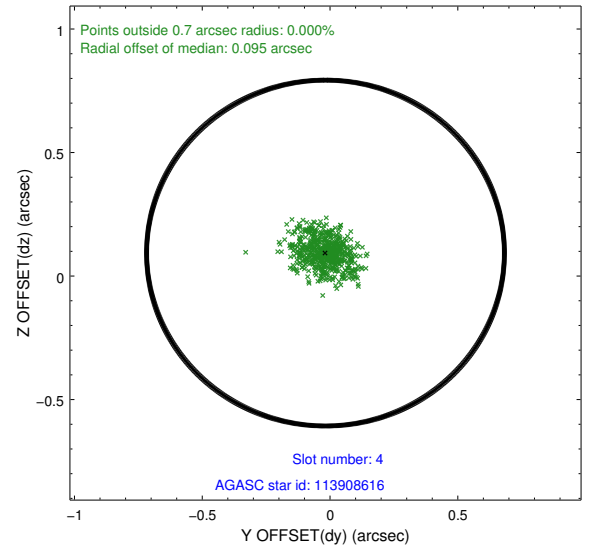
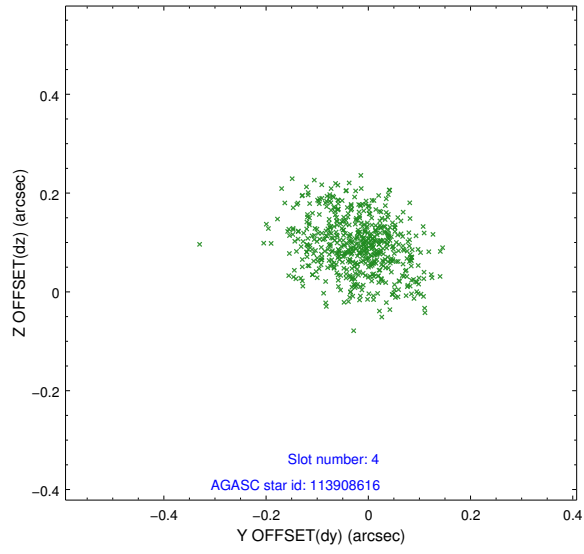
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	292	-0.031	0.014	0.006	0.009	0.000000	0.000000	-753.98	-1727.37
1	FID	ACIS-S-4	7.21	292	-0.027	0.011	0.005	0.010	0.000000	0.000000	2156.79	175.36
2	FID	ACIS-S-5	7.23	292	0.026	-0.016	0.006	0.011	0.000000	0.000000	-1799.58	175.34
3	GUIDE	113907440	7.66	583	0.048	0.130	0.064	0.108	183.304663	10.821652	-1528.49	2381.31
4	GUIDE	113908616	8.68	582	-0.018	0.093	0.096	0.148	182.402585	11.211583	-2090.70	-1052.68
5	GUIDE	113909952	9.86	583	0.301	0.184	0.108	0.180	182.703120	10.082649	1578.17	986.75
6	GUIDE	113910736	8.51	583	-0.018	0.013	0.125	0.191	181.816666	10.531380	801.48	-2453.07
7	GUIDE	113908584	8.59	582	-0.315	-0.415	0.090	0.147	182.320674	11.291738	-2294.33	-1413.59

2.4 Star Slots

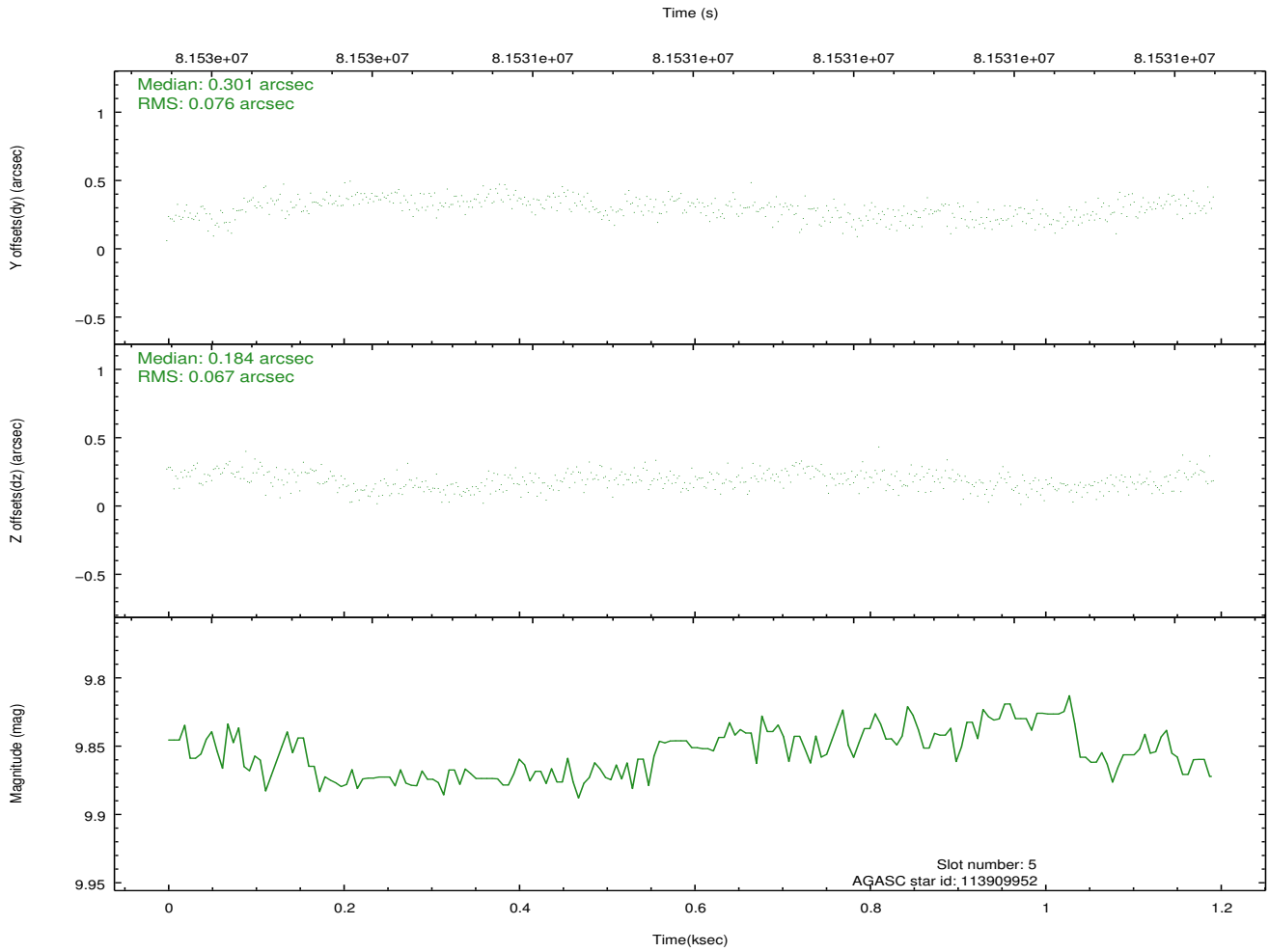
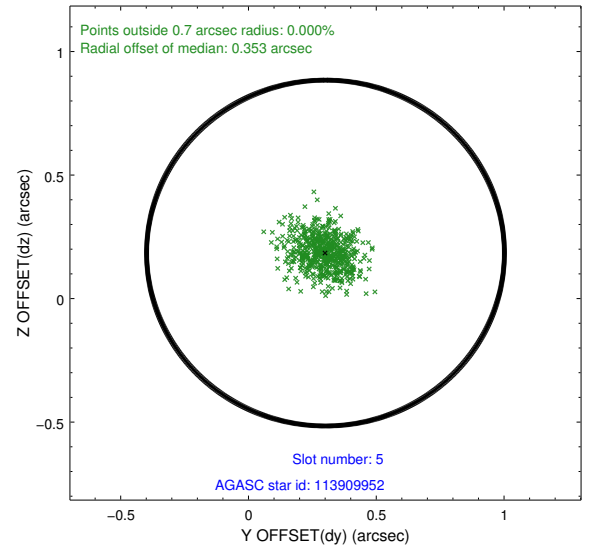
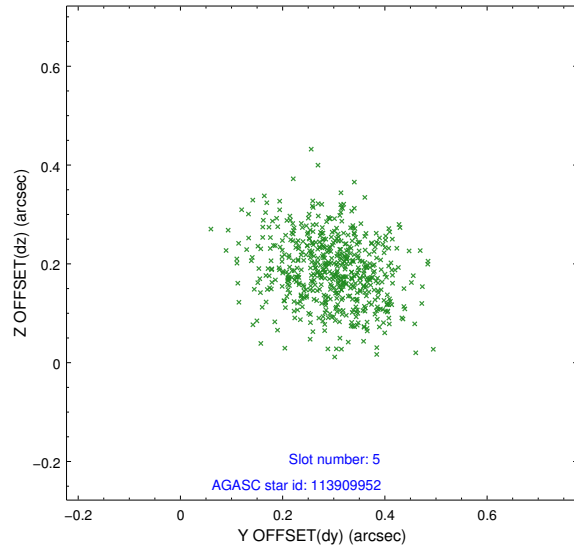
2.4.1 Slot 3



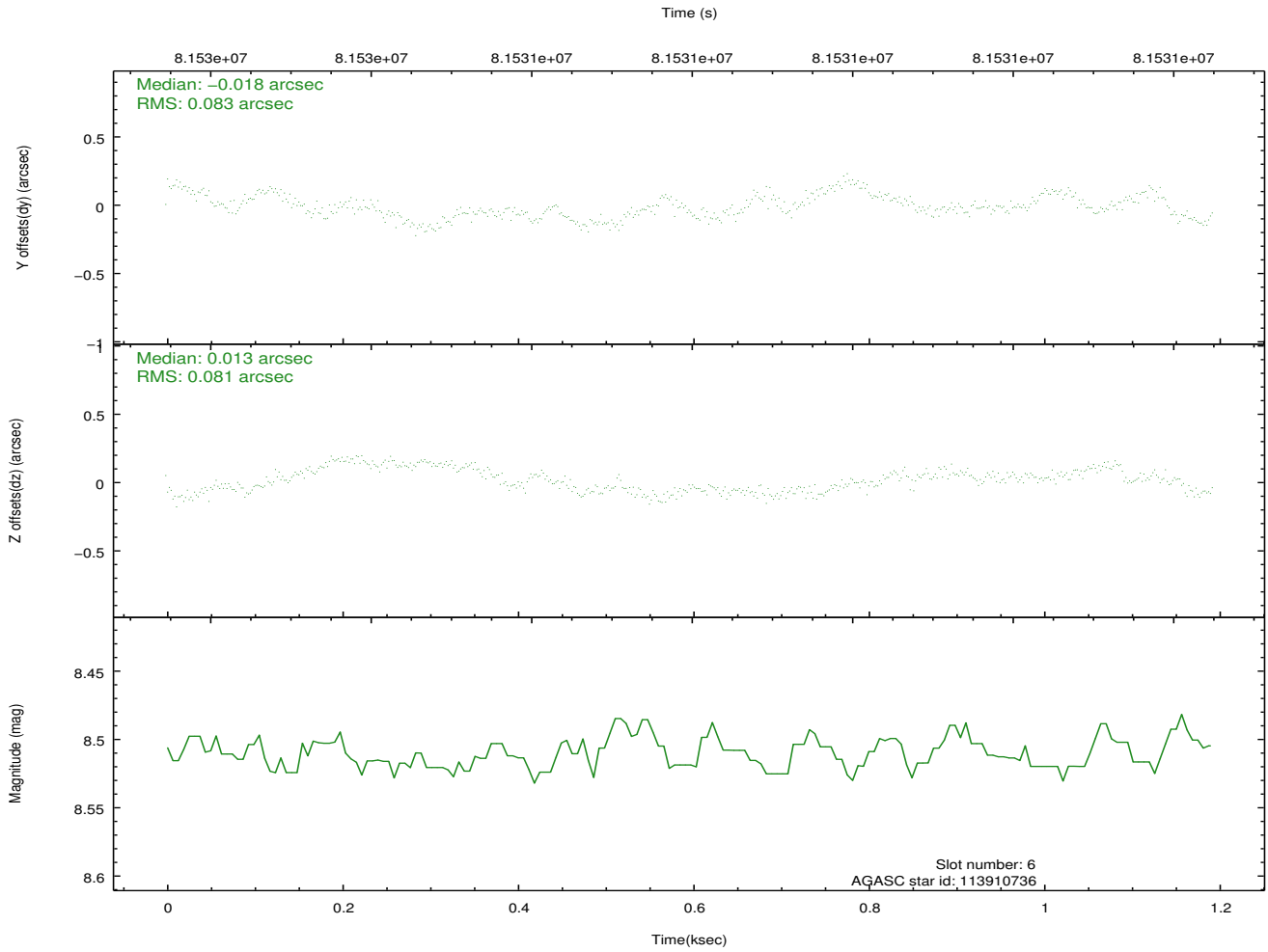
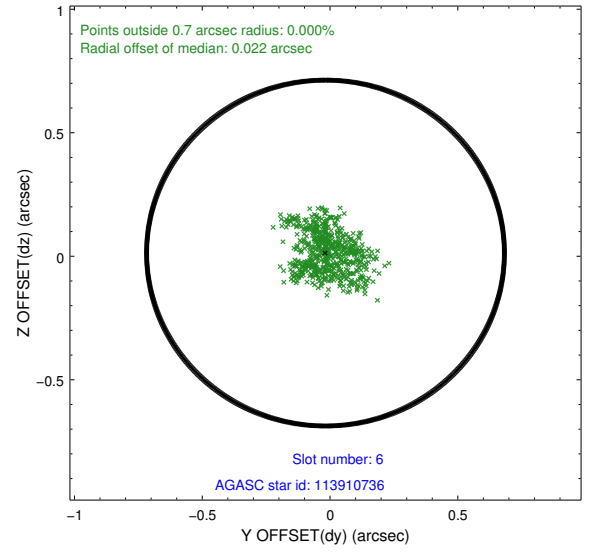
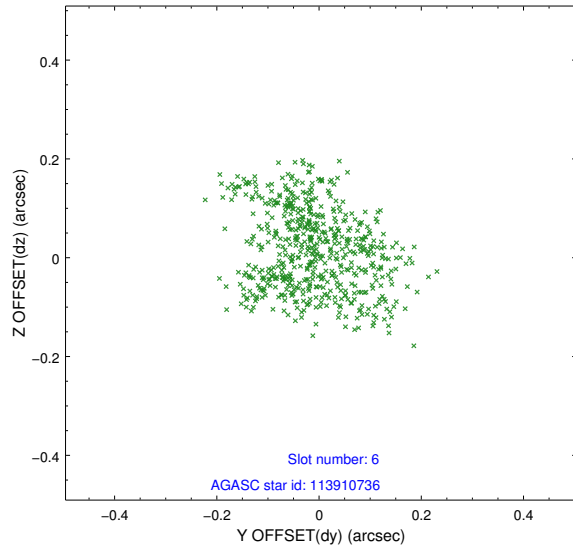
2.4.2 Slot 4



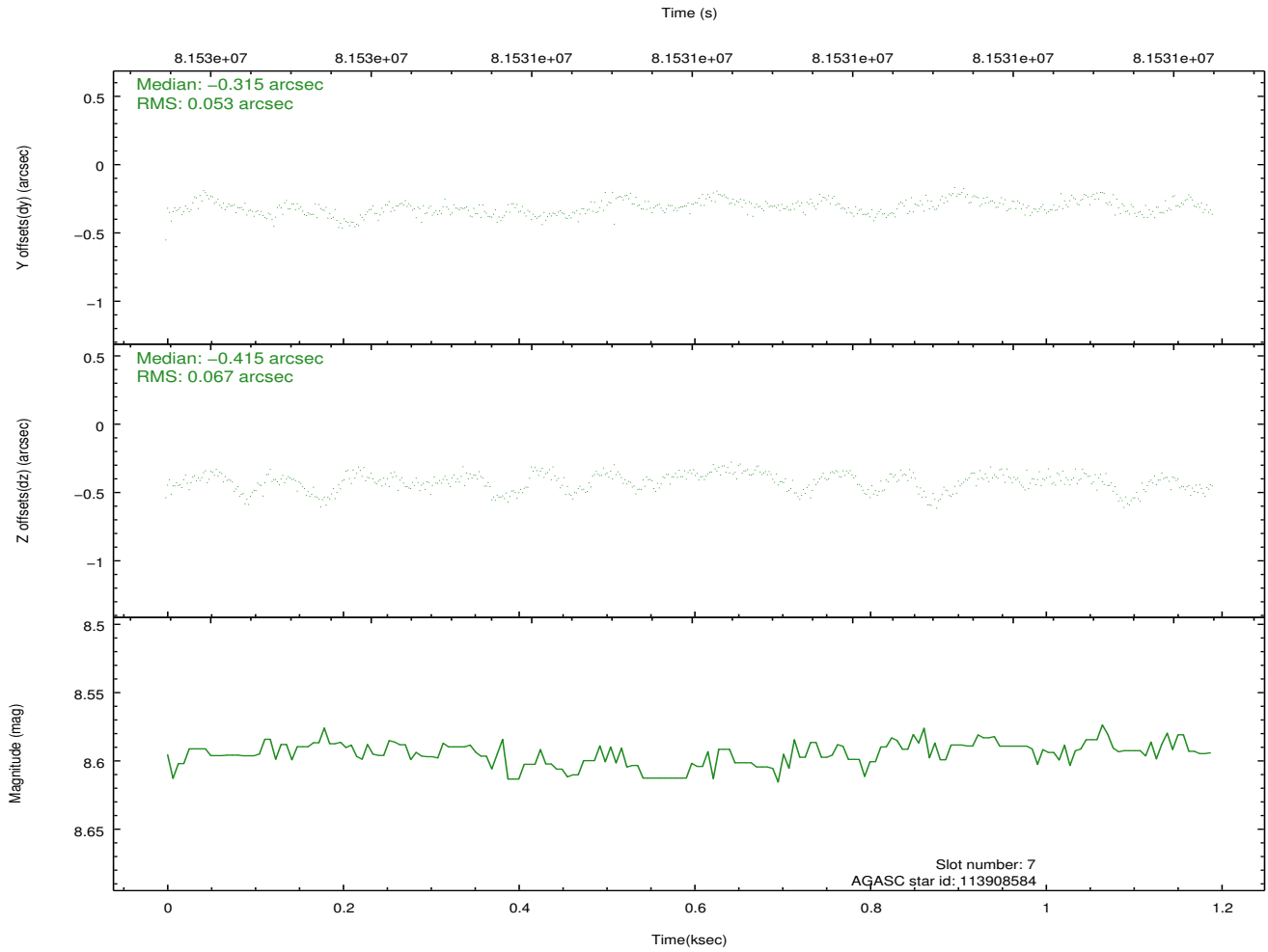
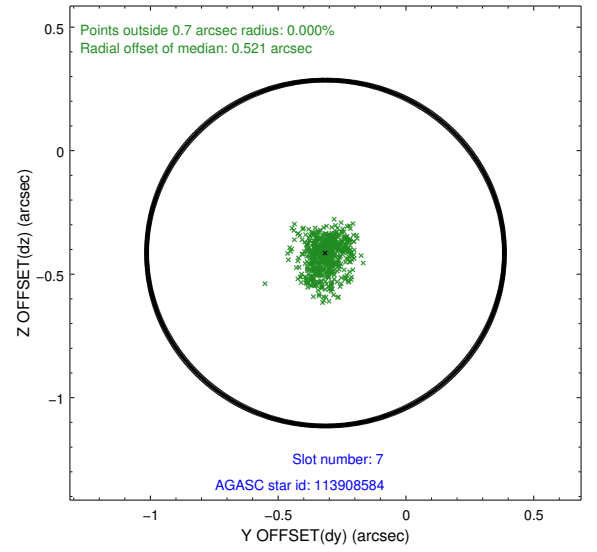
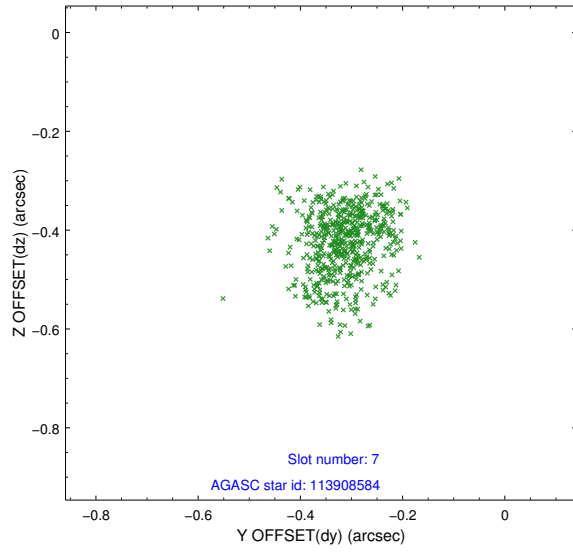
2.4.3 Slot 5



2.4.4 Slot 6

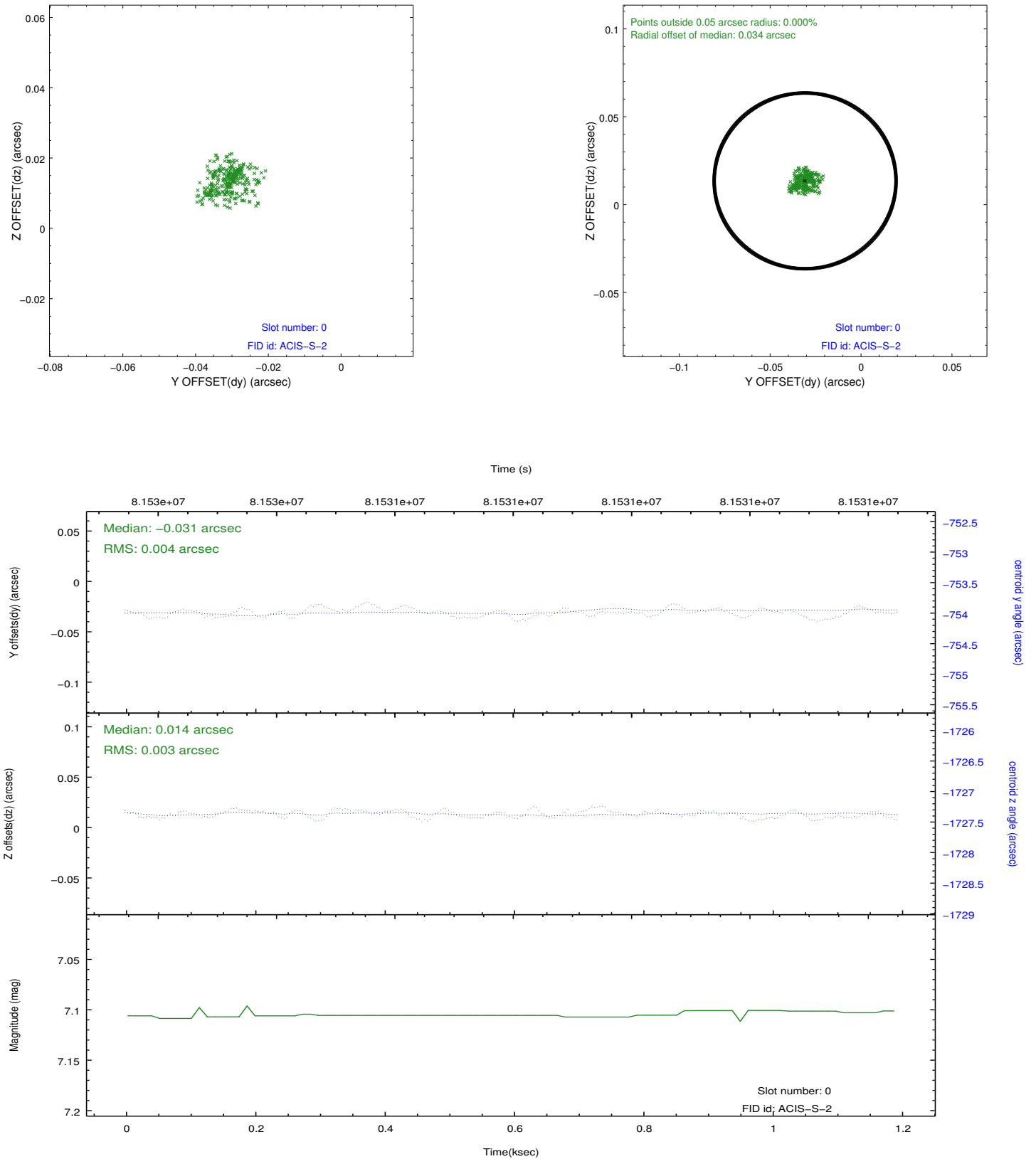


2.4.5 Slot 7

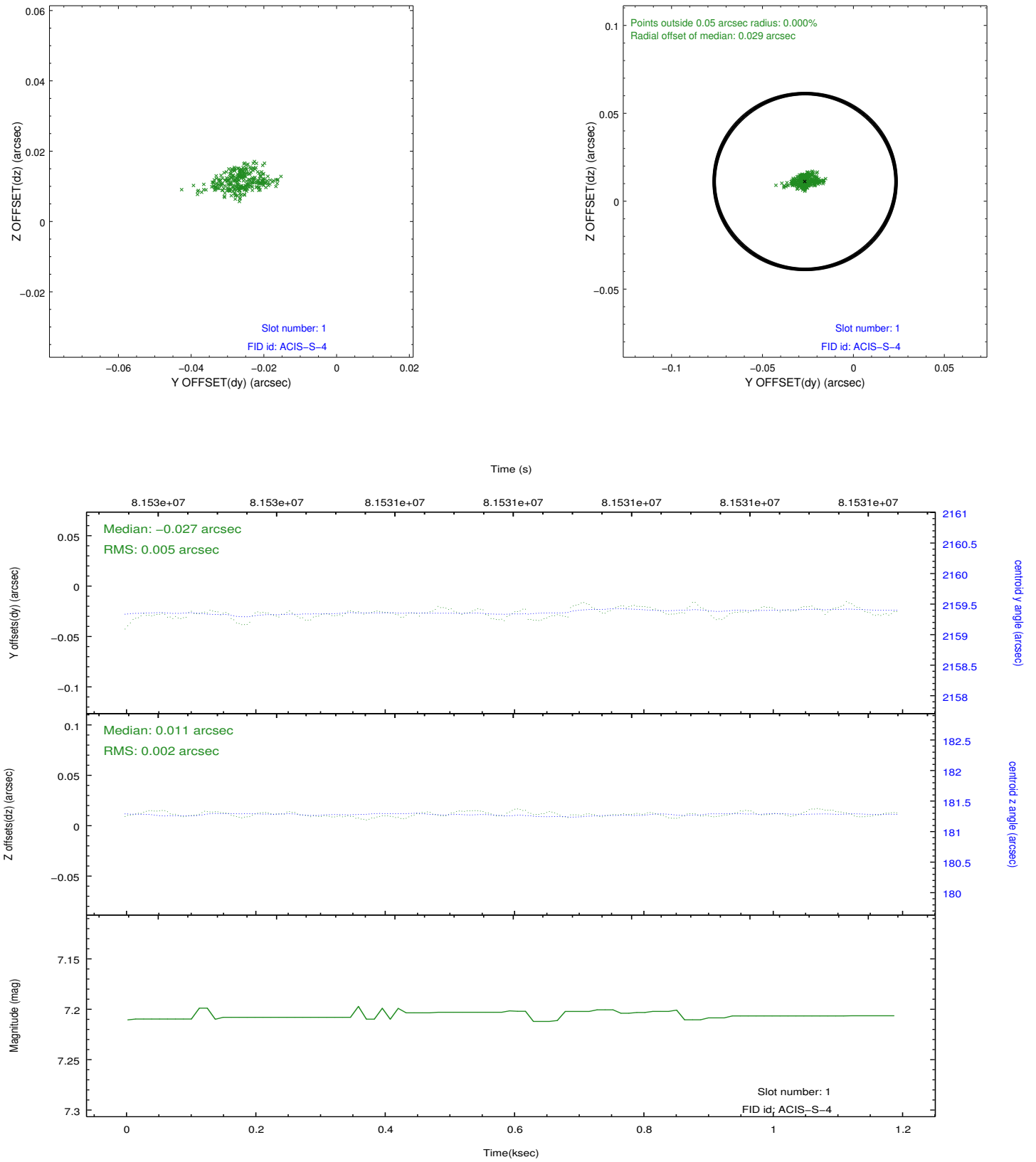


2.5 FID Slots

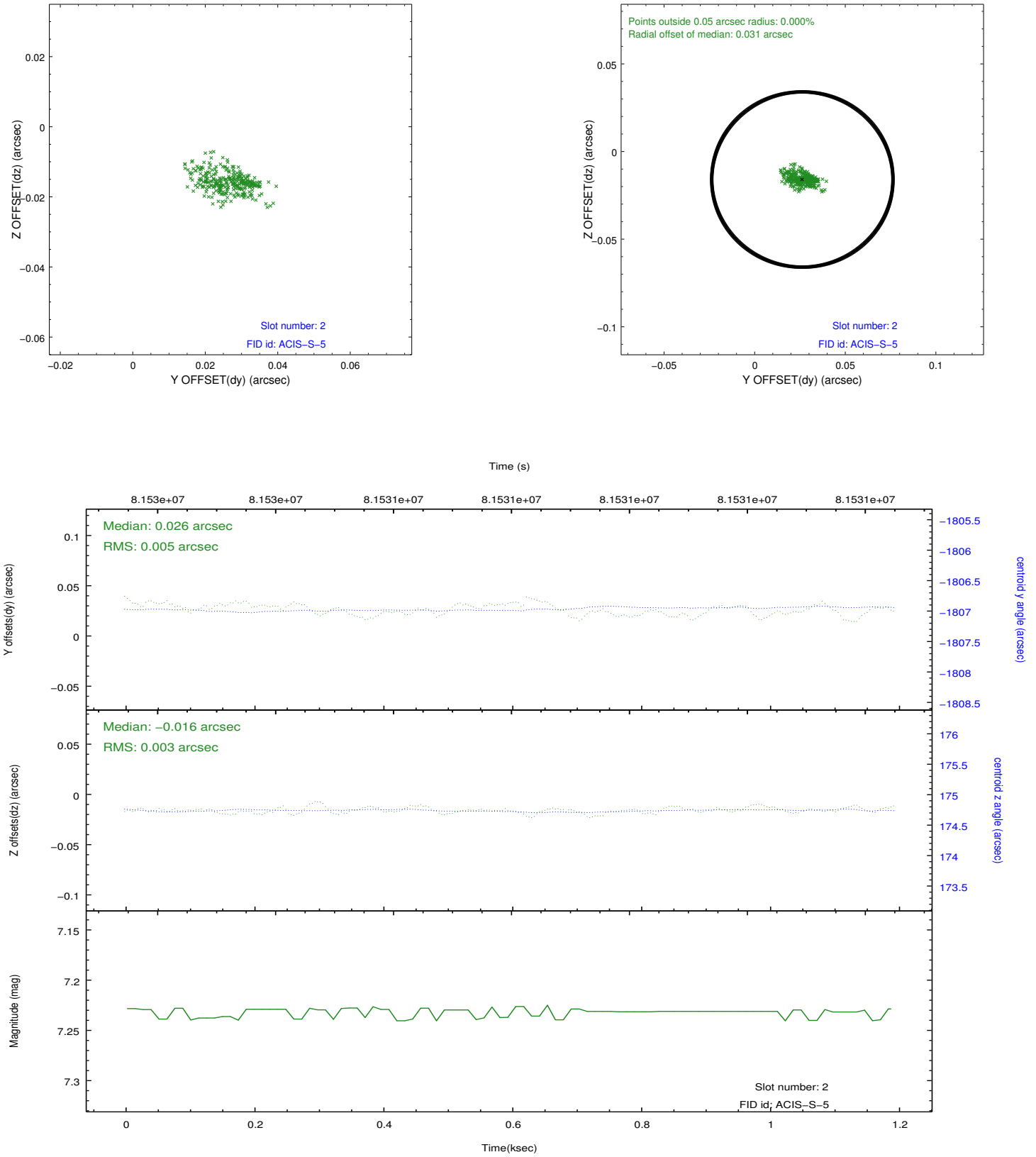
2.5.1 Slot 0



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)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.193

A.2 Comments