

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1832 - L2 Version 4
Chandra X-Ray Center

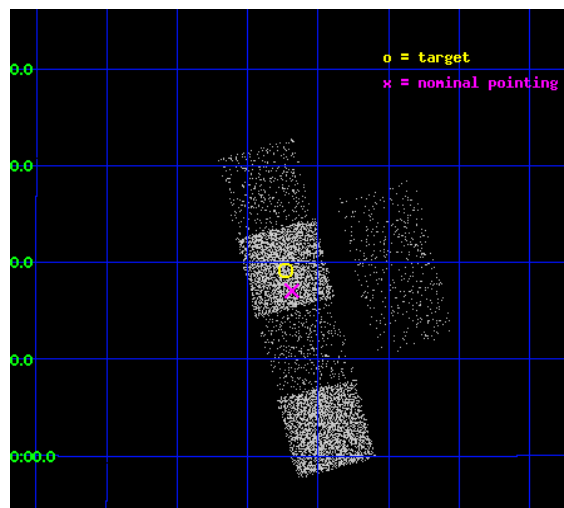
L2 Processing Date : Aug 31 2012

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

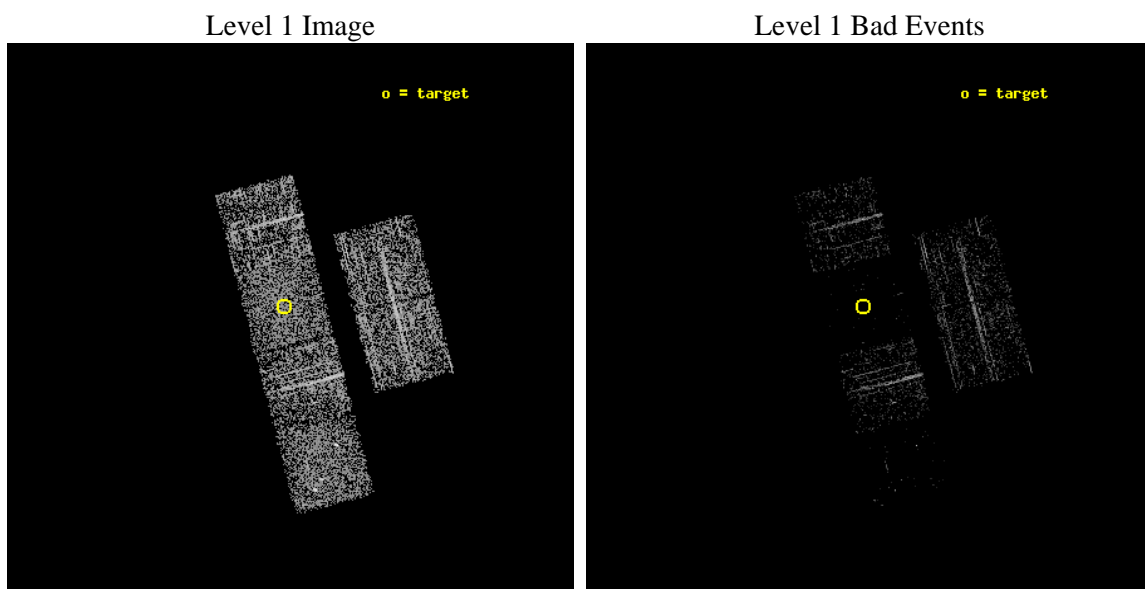
seq_num	100018	Sequence number
obs_id	1832	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.68296	Observer's specified target RA [deg]
dec_targ	10.32042	Observer's specified target Dec [deg]
ra_nom	182.6715537978	Nominal RA [deg]
dec_nom	10.284466093712	Nominal Dec [deg]
roll_nom	255.5019814661	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	8175	Number of level 2 events



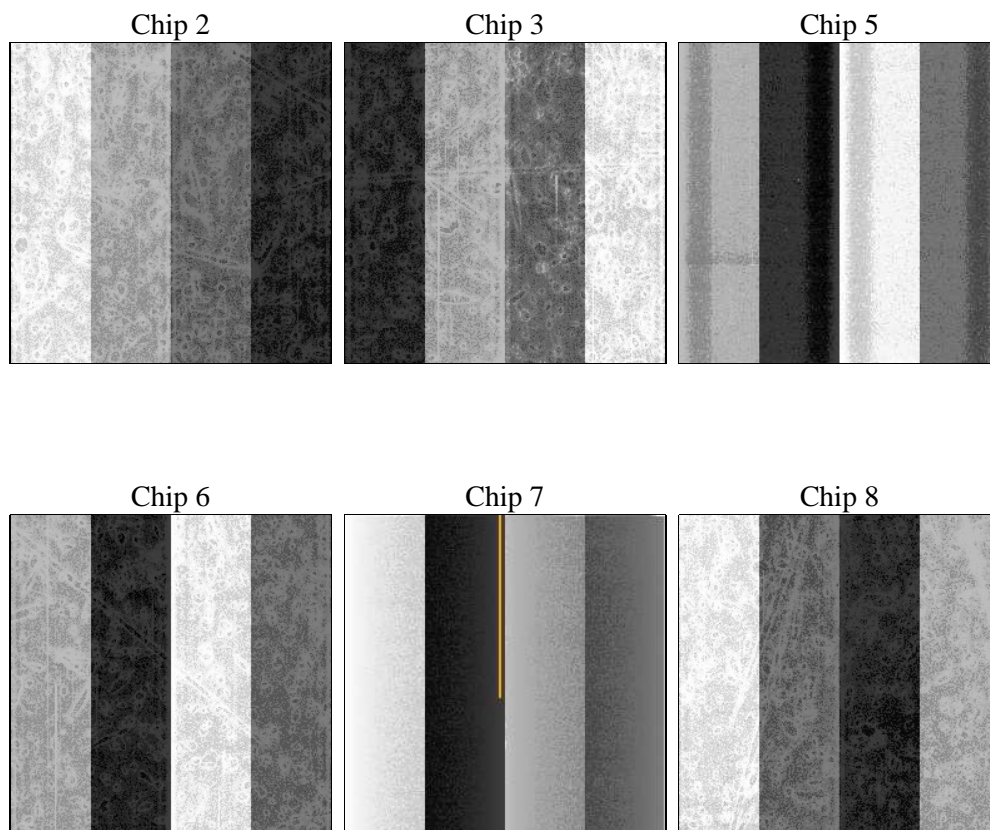
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1270.000000	[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	2012-08-31T12:12:36	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	34559	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6468	5937	5179	5758	4649	6568
rejected events	6125	5662	1272	5249	1083	5187
rejected %	94%	95%	24%	91%	23%	78%

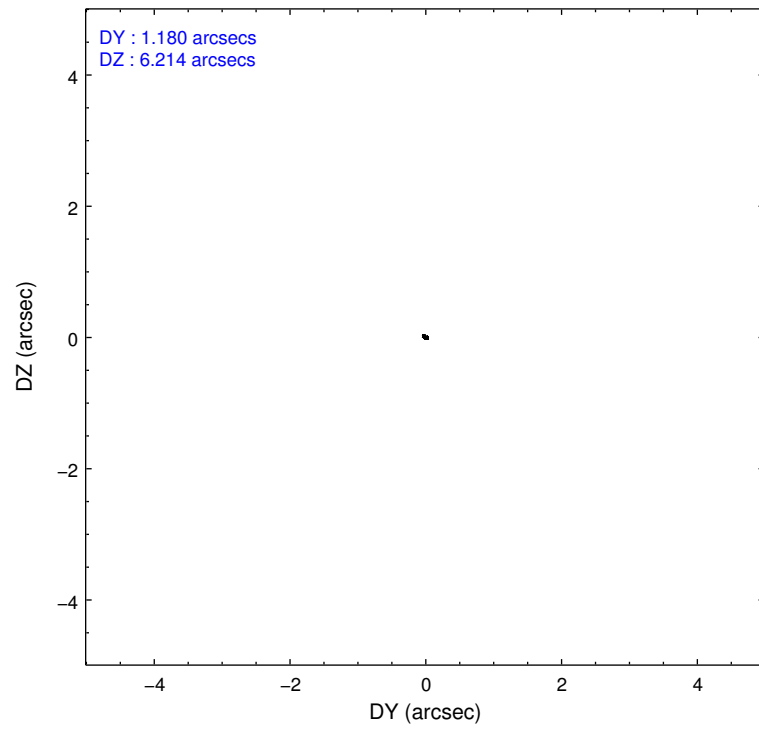
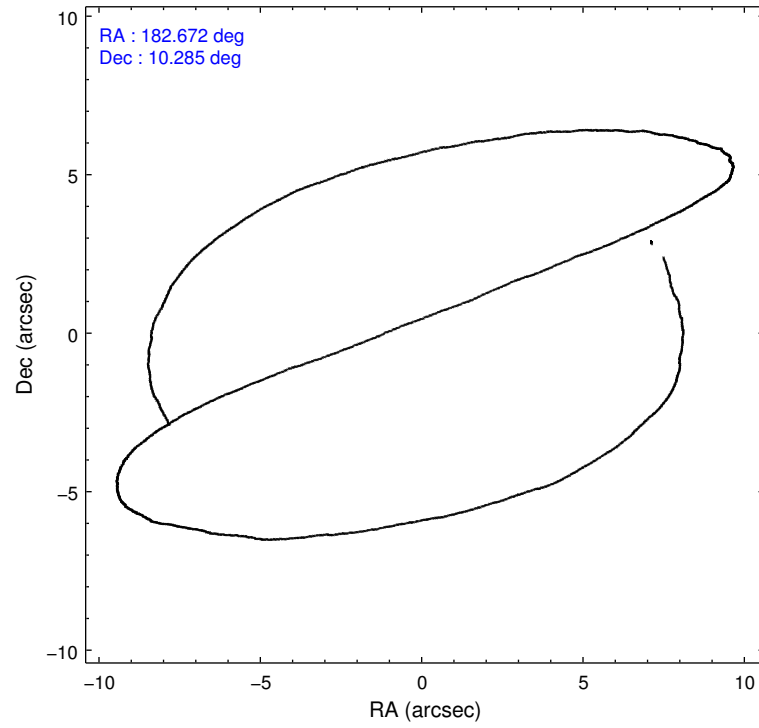
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	245	234	2034	459	1385	676
	3%	3%	39%	7%	29%	10%
grade 1 events	2	1	14	2	4	3
	0%	0%	0%	0%	0%	0%
grade 2 events	47	21	1347	50	1222	328
	0%	0%	26%	0%	26%	4%
grade 3 events	46	41	401	44	522	176
	0%	0%	7%	0%	11%	2%
grade 4 events	42	33	444	39	565	193
	0%	0%	8%	0%	12%	2%
grade 5 events	12	6	73	4	36	33
	0%	0%	1%	0%	0%	0%
grade 6 events	26	13	591	19	809	392
	0%	0%	11%	0%	17%	5%
grade 7 events	6048	5588	275	5141	106	4767
	93%	94%	5%	89%	2%	72%

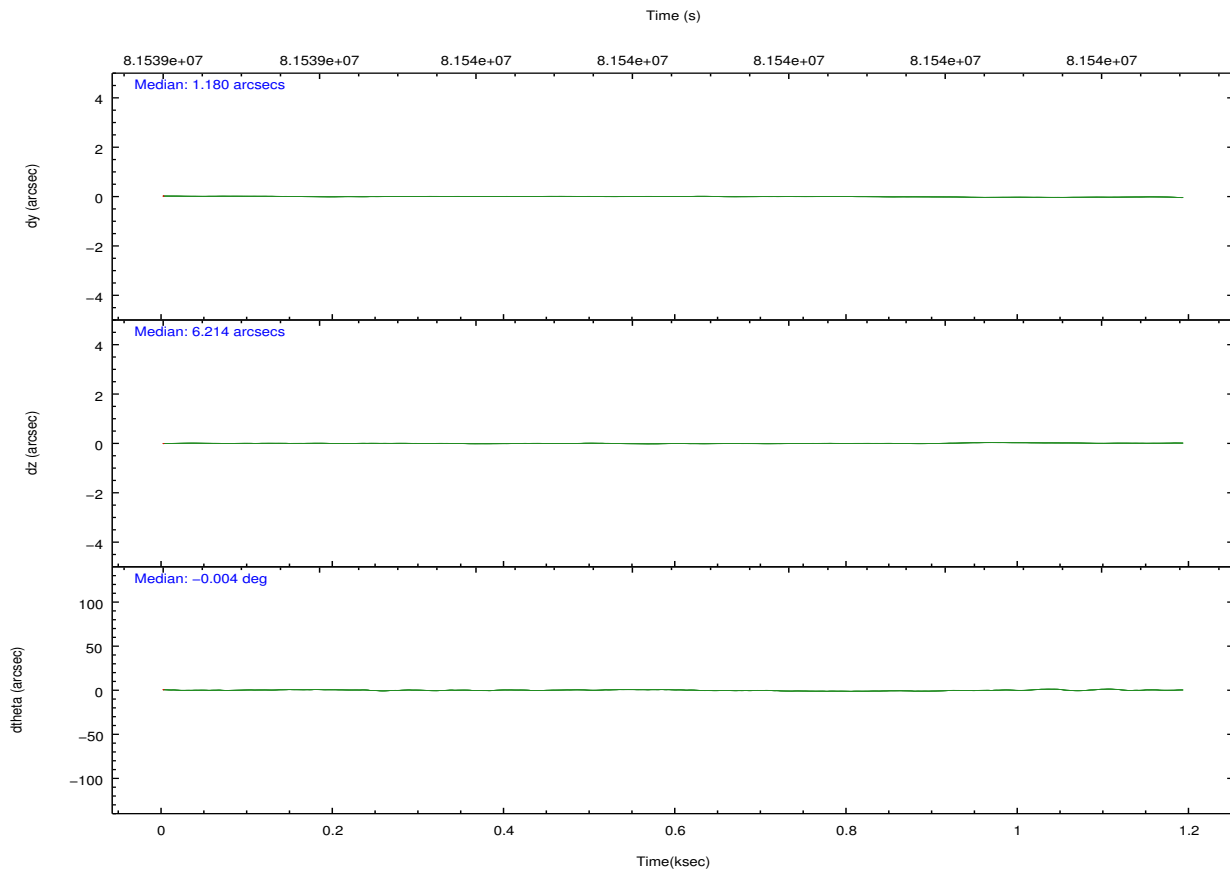
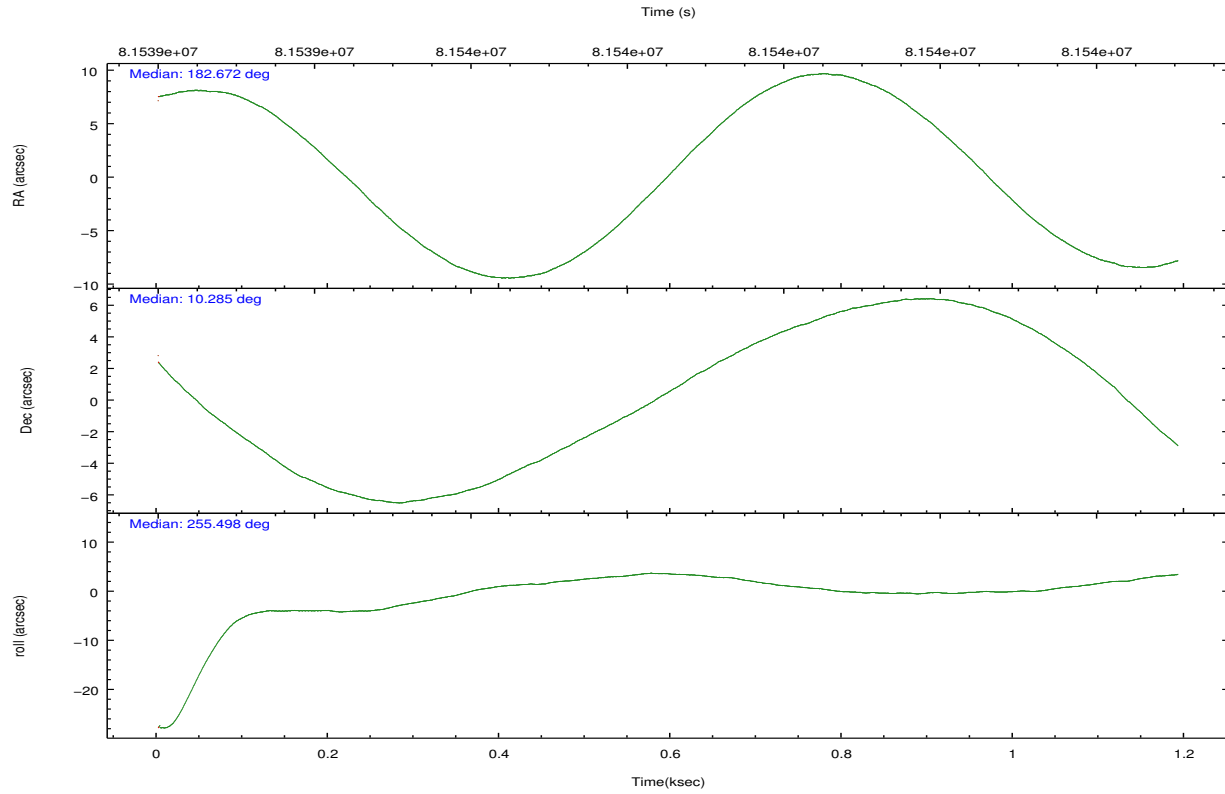
2.2 Compared Parameters

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	182.663952	182.671553797801
[deg] Pointing Dec	10.310832	10.28446609371243
[deg] Pointing Roll	255.347026	255.5019814661027
[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)	81539180.184000	81539074.628783
Observation start date	2000-08-01T17:45:16	2000-08-01T17:44:34
[s] Observation end time (MET)	81540450.184000	81540584.453839
Observation end date	2000-08-01T18:06:26	2000-08-01T18:09:44
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



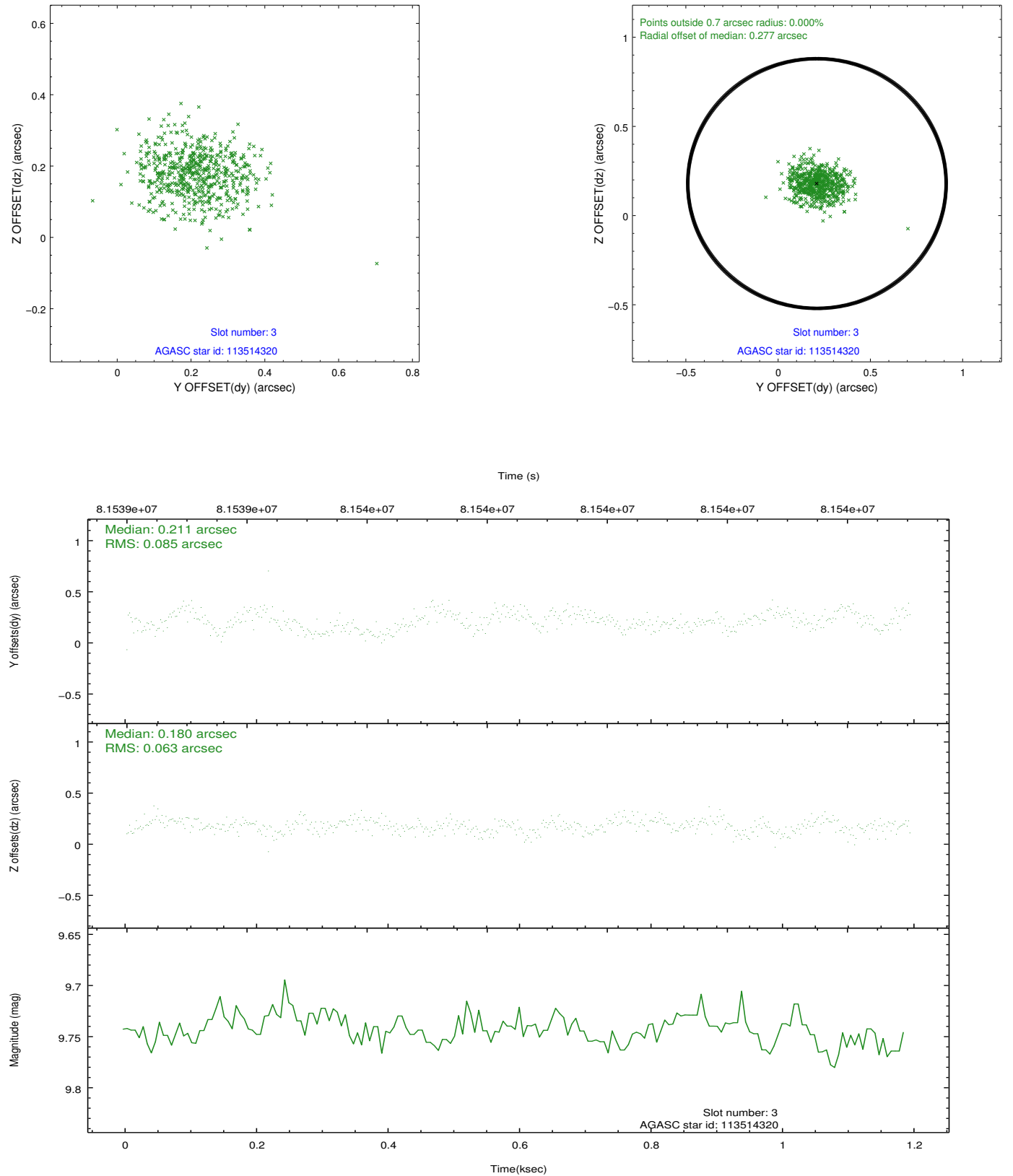


Slot Statistics

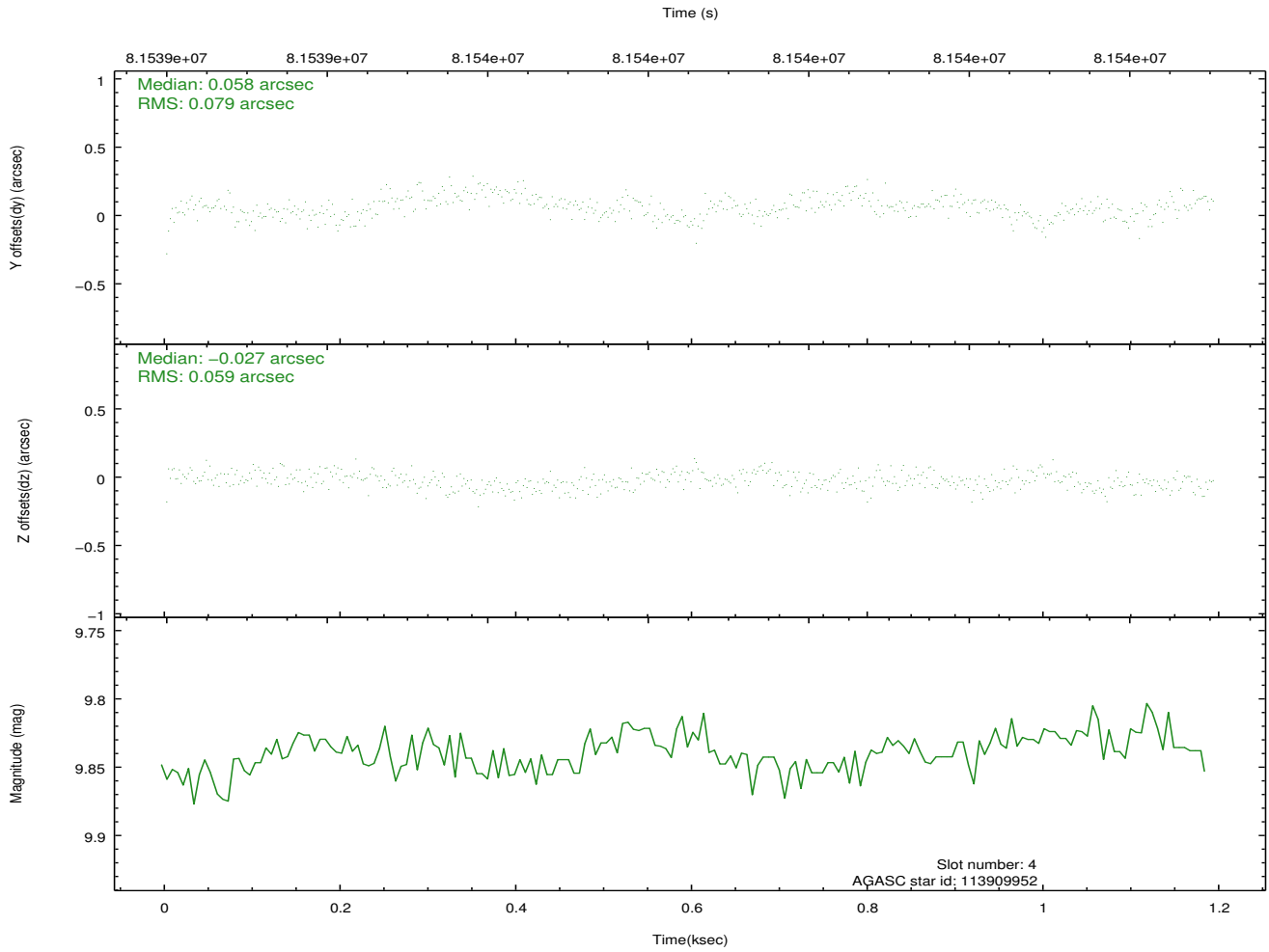
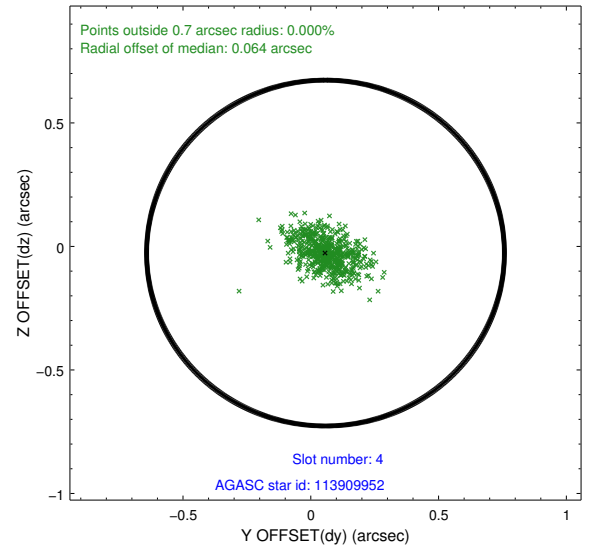
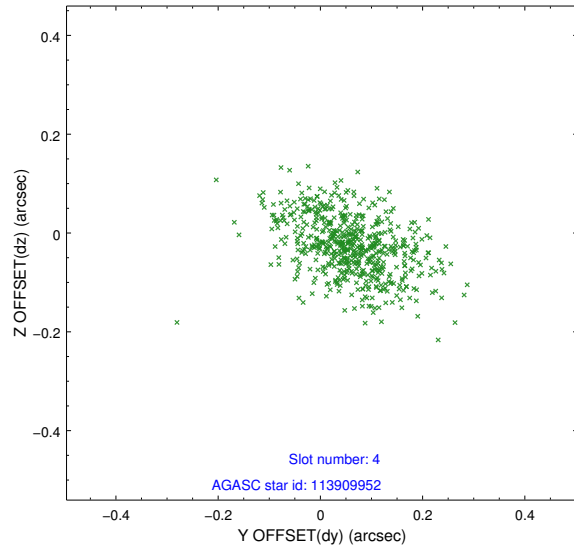
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	291	-0.048	-0.000	0.018	0.025	0.000000	0.000000	-753.81	-1727.31
1	FID	ACIS-S-4	7.21	291	0.008	0.024	0.008	0.014	0.000000	0.000000	2157.00	175.43
2	FID	ACIS-S-5	7.23	291	0.007	-0.014	0.014	0.020	0.000000	0.000000	-1799.39	175.41
3	GUIDE	113514320	9.74	582	0.211	0.180	0.114	0.174	183.030216	9.556614	2298.15	1944.35
4	GUIDE	113909952	9.84	581	0.058	-0.027	0.105	0.171	182.703120	10.082649	764.36	344.74
5	GUIDE	113511280	10.47	582	0.100	-0.167	0.152	0.255	182.700155	9.746408	1935.48	638.09
6	GUIDE	113907440	7.64	582	-0.259	0.143	0.068	0.106	183.304663	10.821652	-2350.52	1726.57
7	GUIDE	113910864	6.19	581	-0.108	-0.123	0.078	0.137	183.358076	10.262342	-459.28	2424.38

2.4 Star Slots

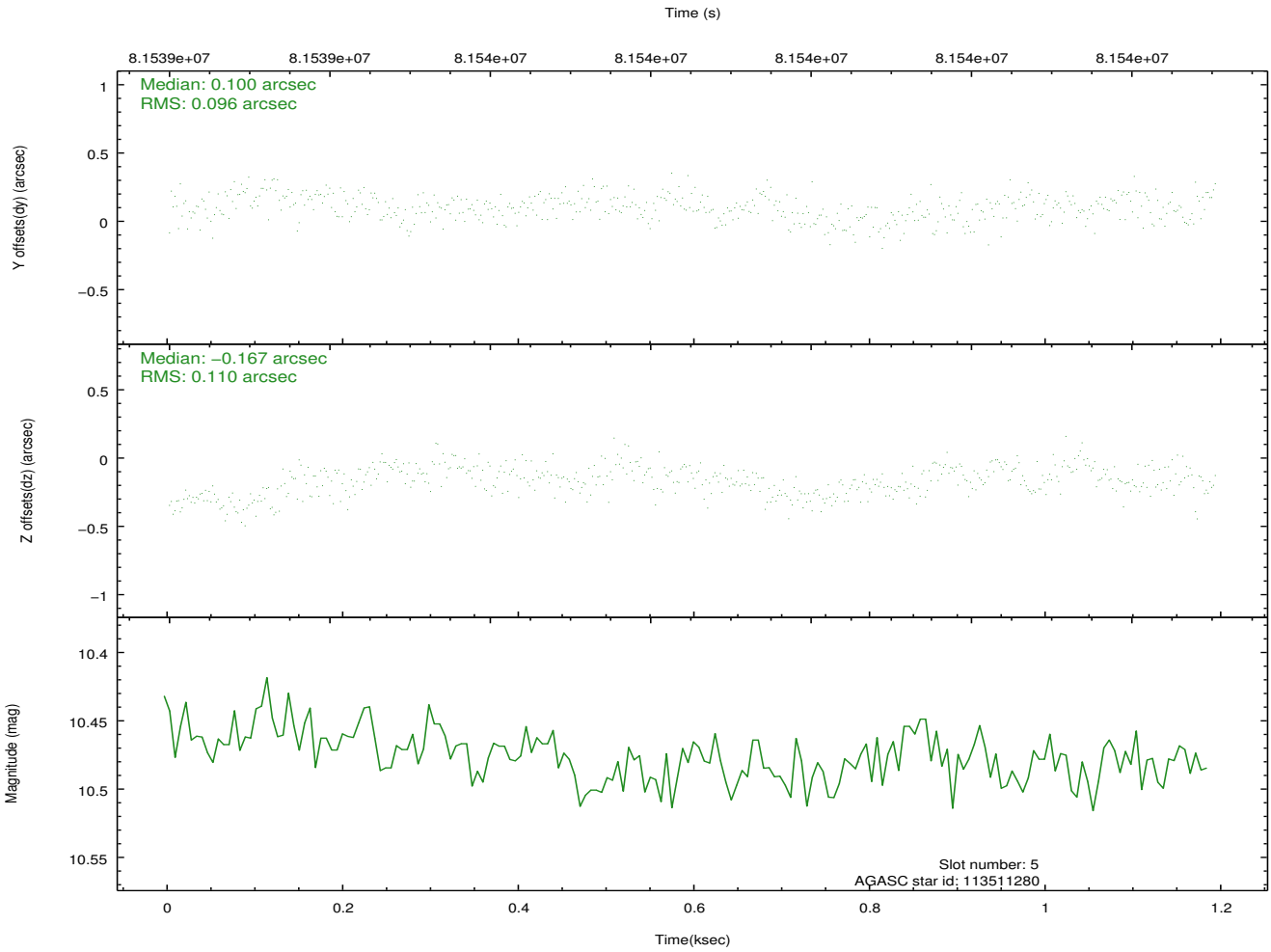
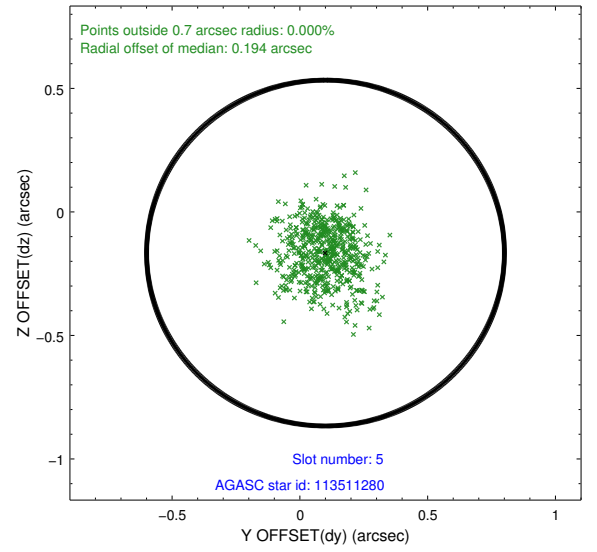
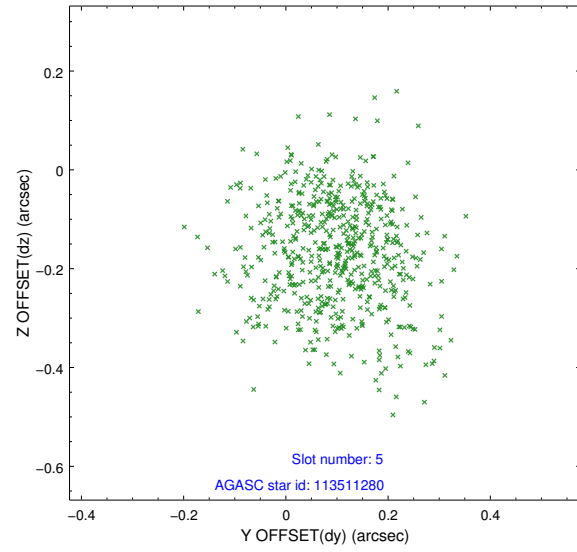
2.4.1 Slot 3



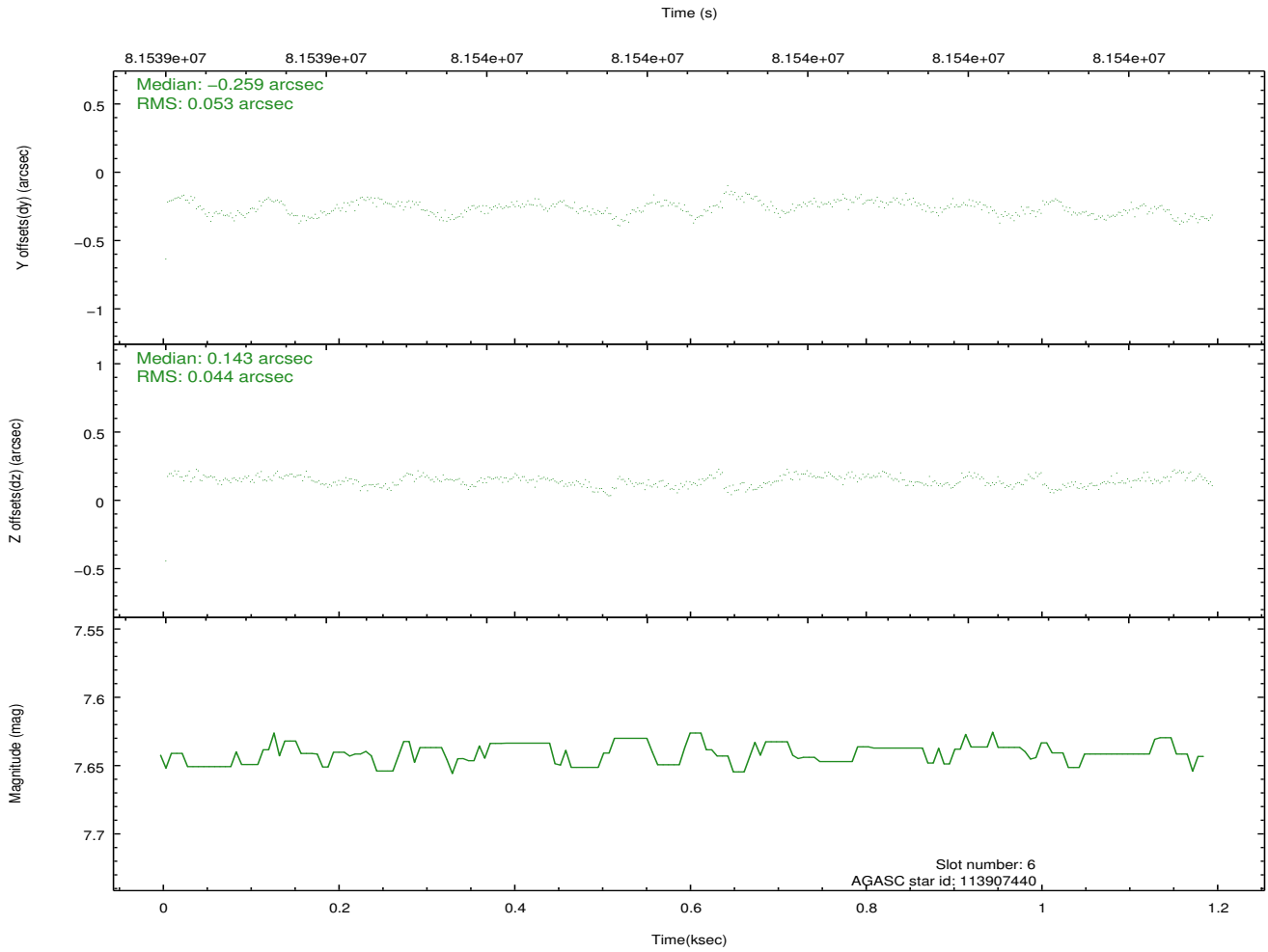
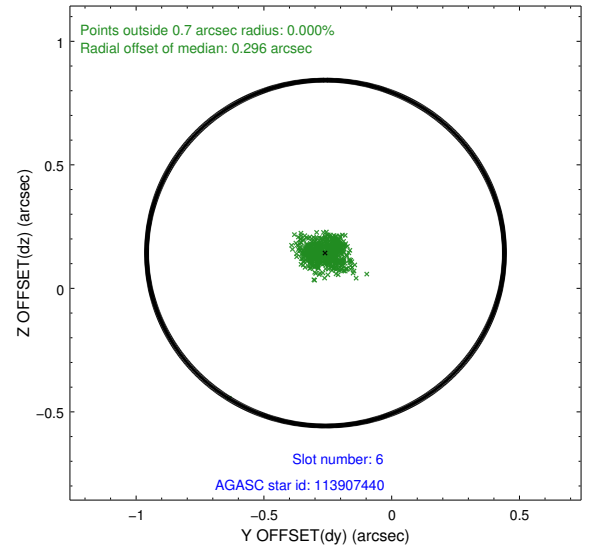
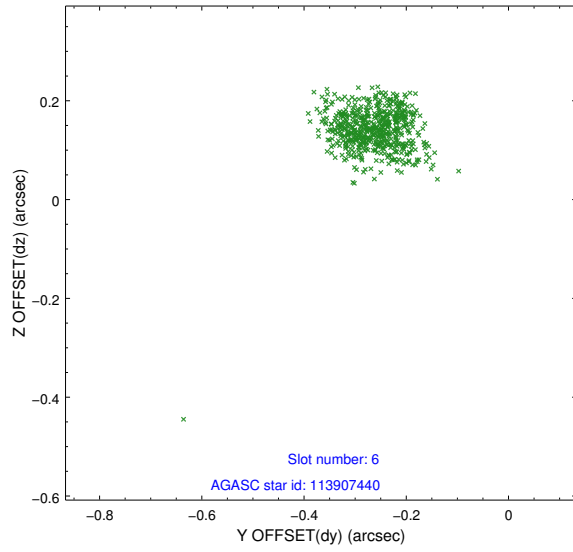
2.4.2 Slot 4



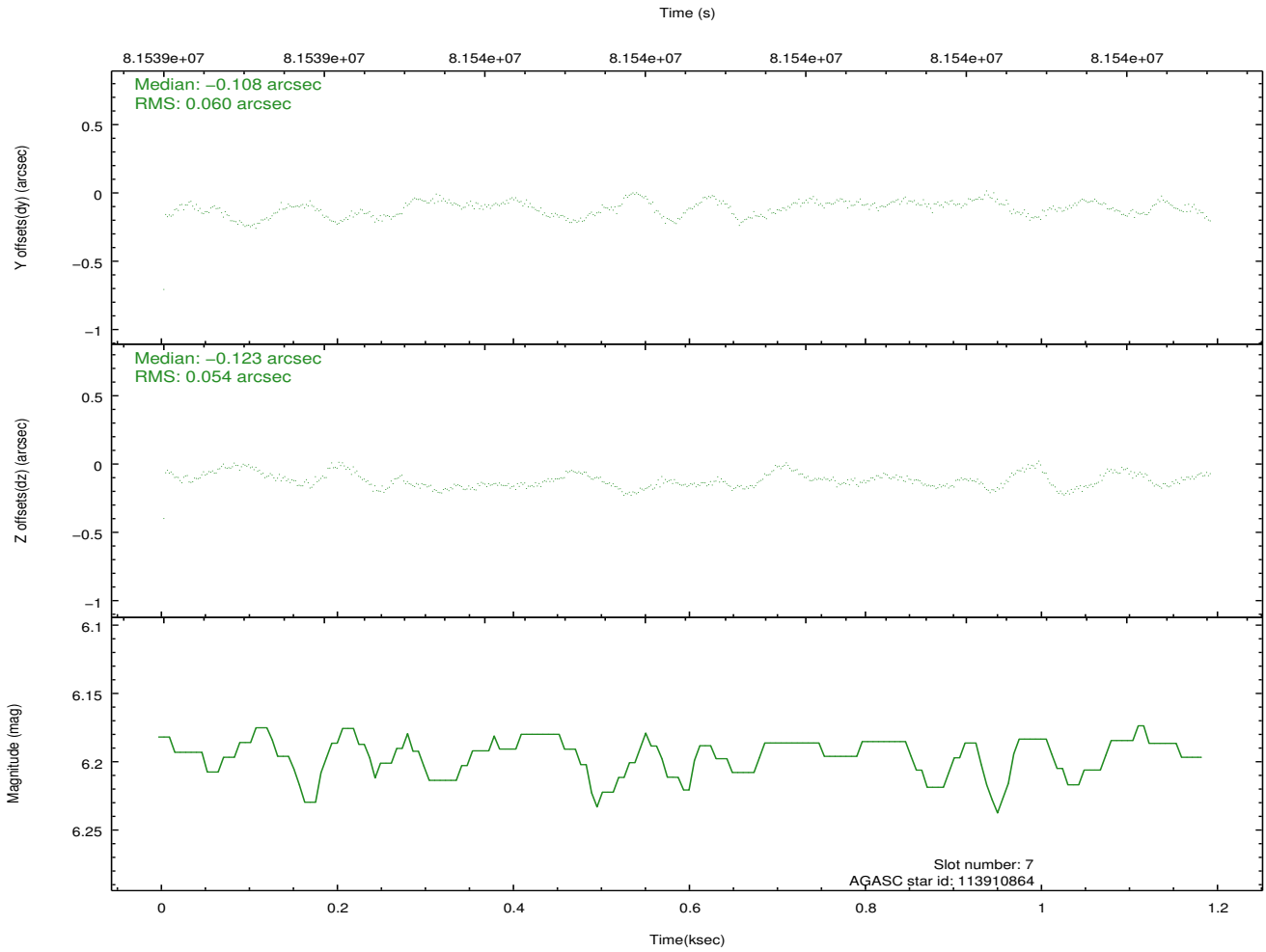
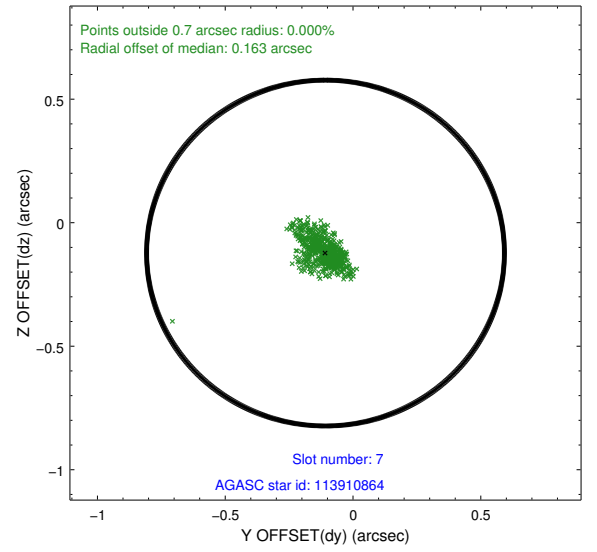
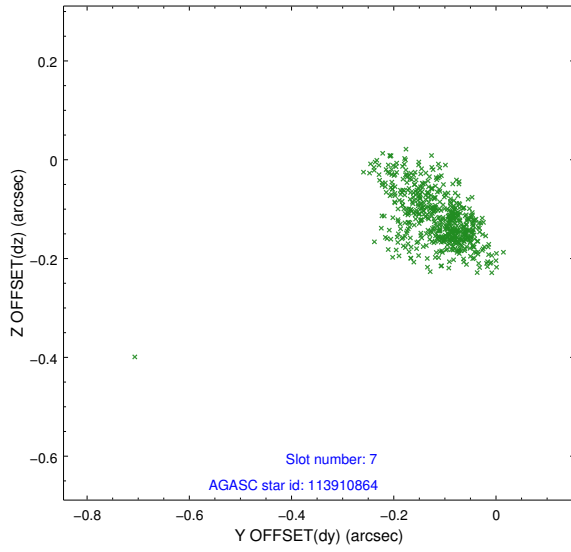
2.4.3 Slot 5



2.4.4 Slot 6

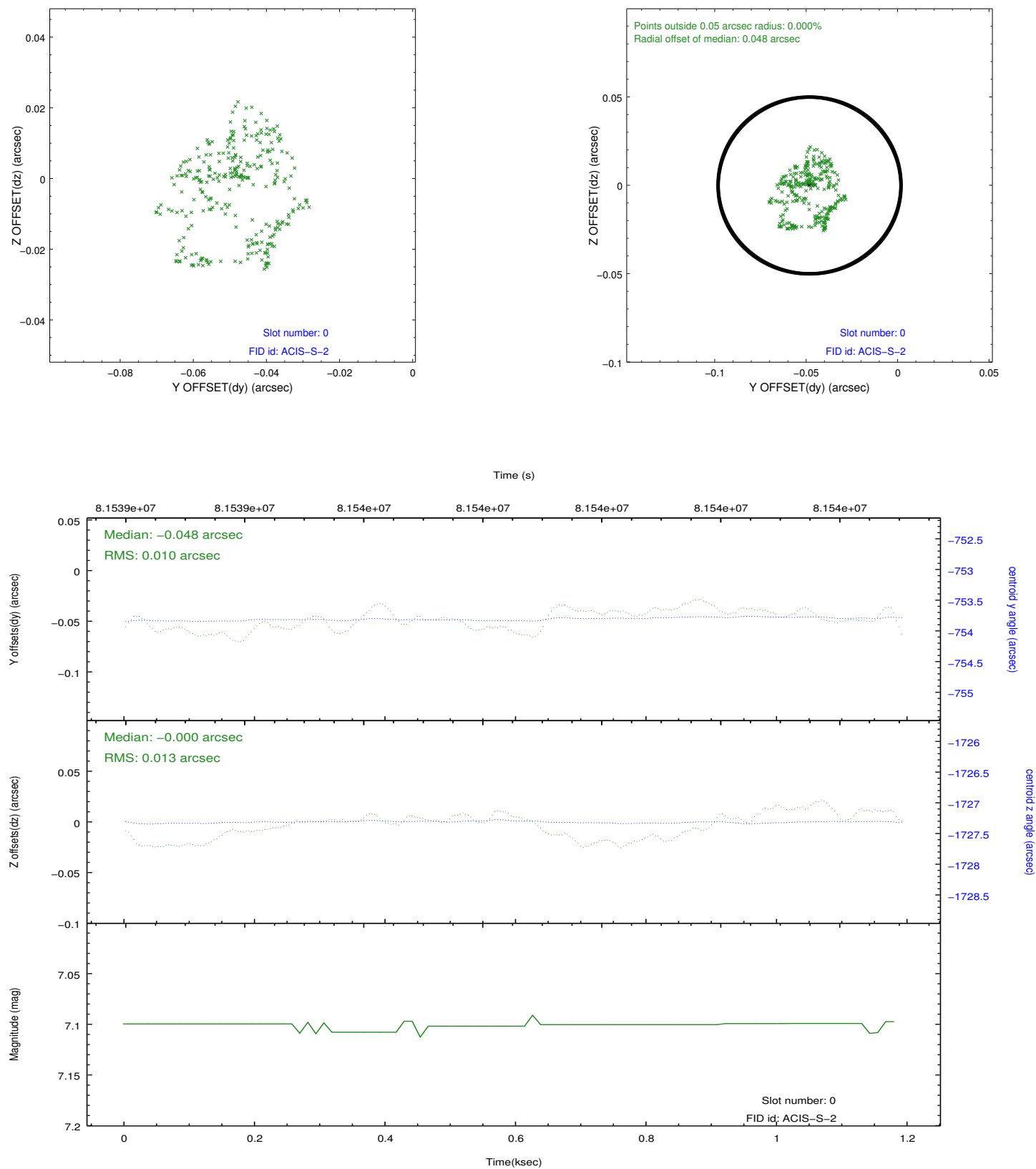


2.4.5 Slot 7

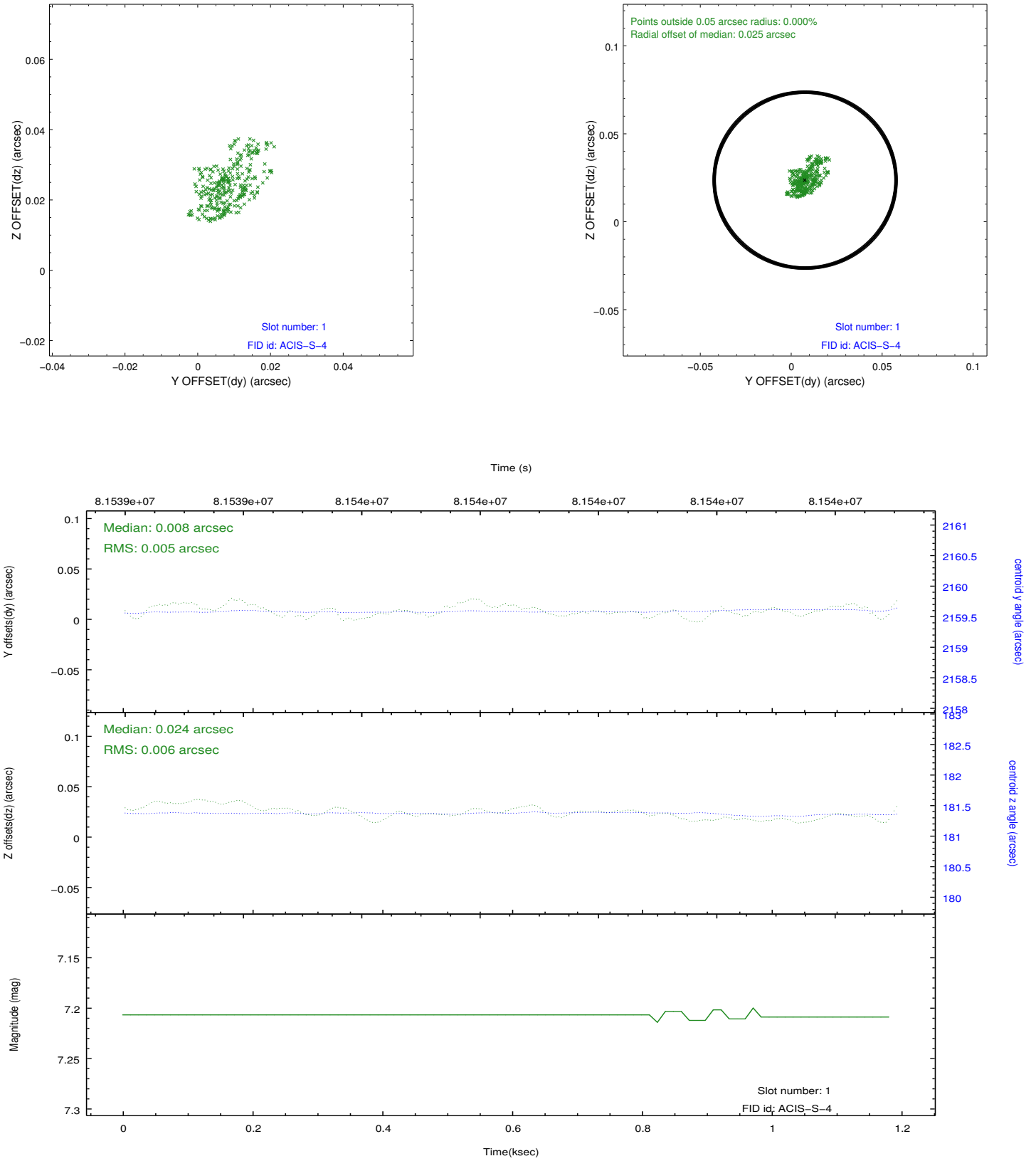


2.5 FID Slots

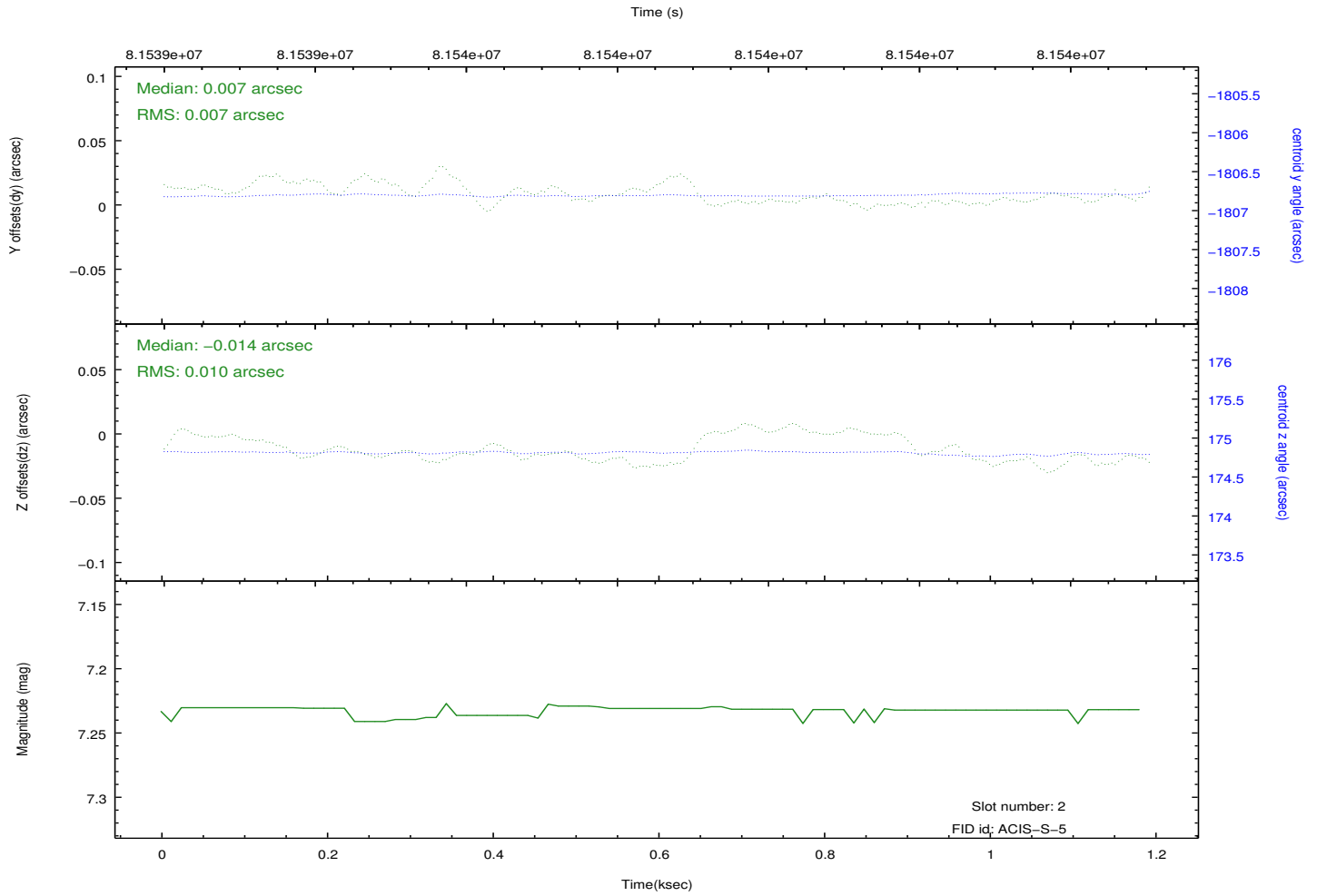
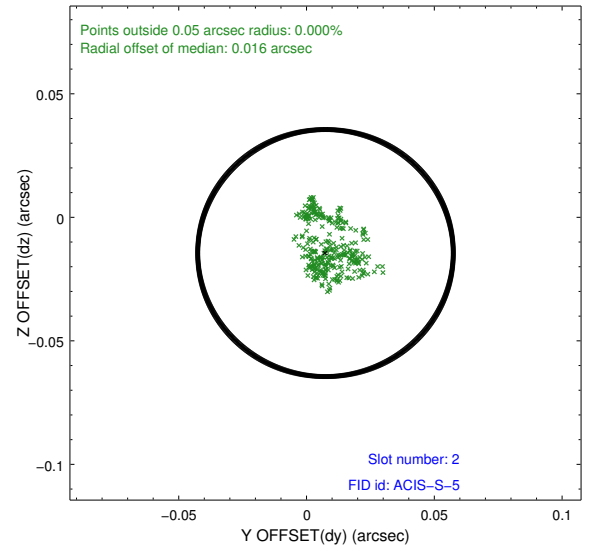
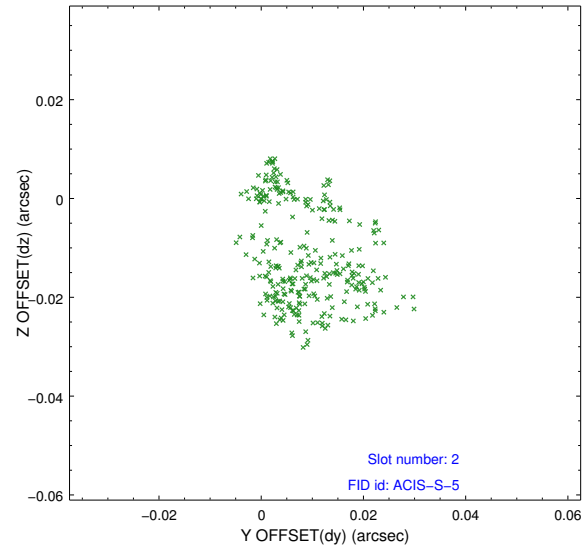
2.5.1 Slot 0



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	1.19

A.2 Comments