

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1836 - L2 Version 4
Chandra X-Ray Center

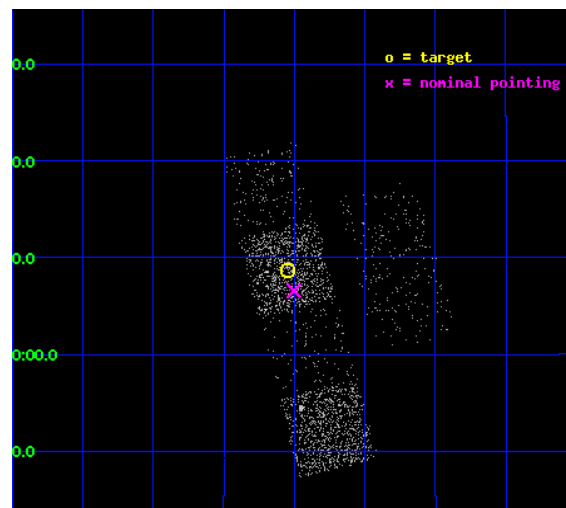
L2 Processing Date : Aug 31 2012

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1 Front

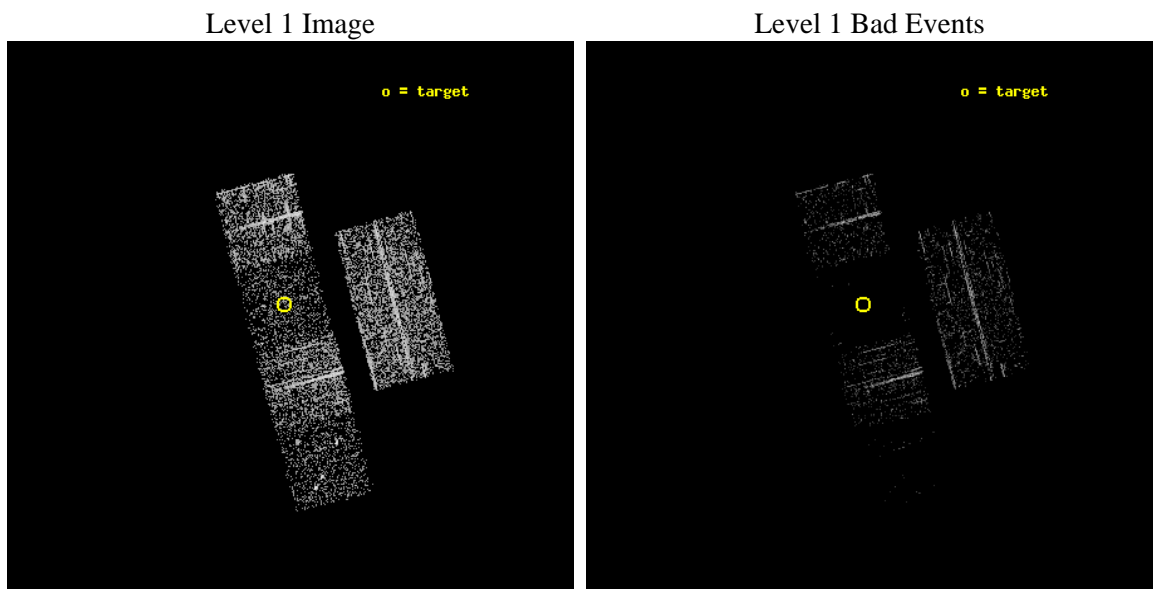
seq_num	100018	Sequence number
obs_id	1836	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.76233	Observer's specified target RA [deg]
dec_targ	10.14567	Observer's specified target Dec [deg]
ra_nom	182.75079657961	Nominal RA [deg]
dec_nom	10.109640996367	Nominal Dec [deg]
roll_nom	255.37752035902	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	2555	Number of level 2 events



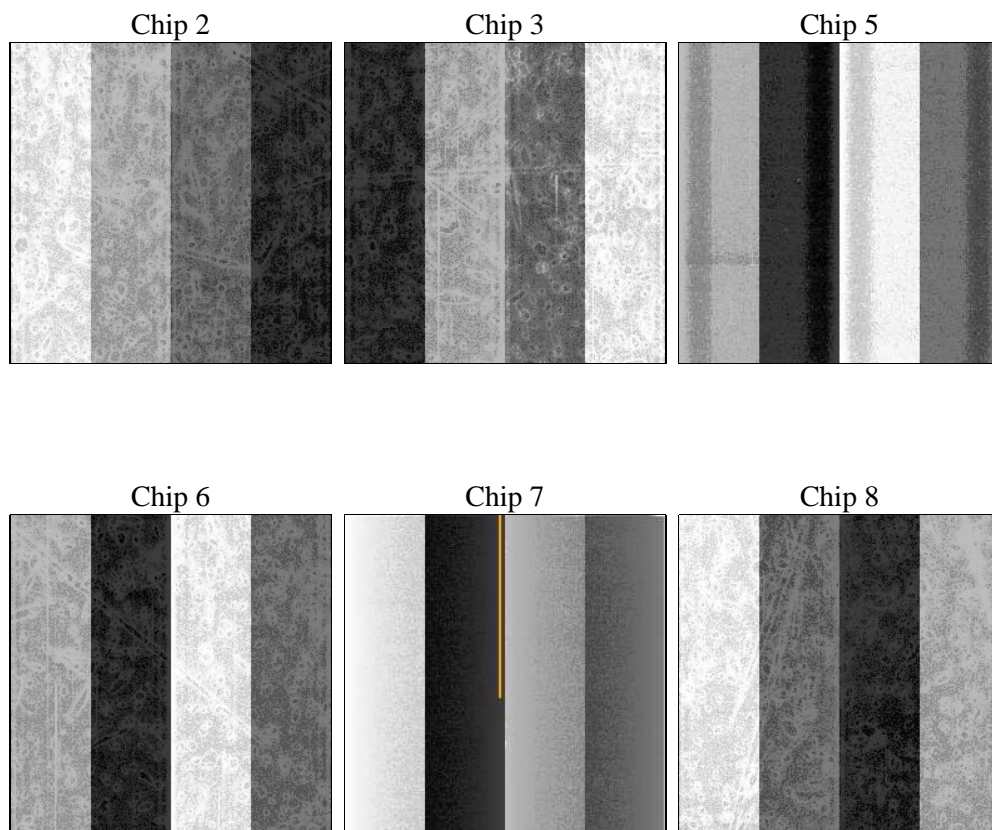
2 OBI

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	2012-08-31T12:14:06	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	24577	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5628	5189	1877	4717	1561	5605
rejected events	5434	5039	531	4533	433	4653
rejected %	96%	97%	28%	96%	27%	83%

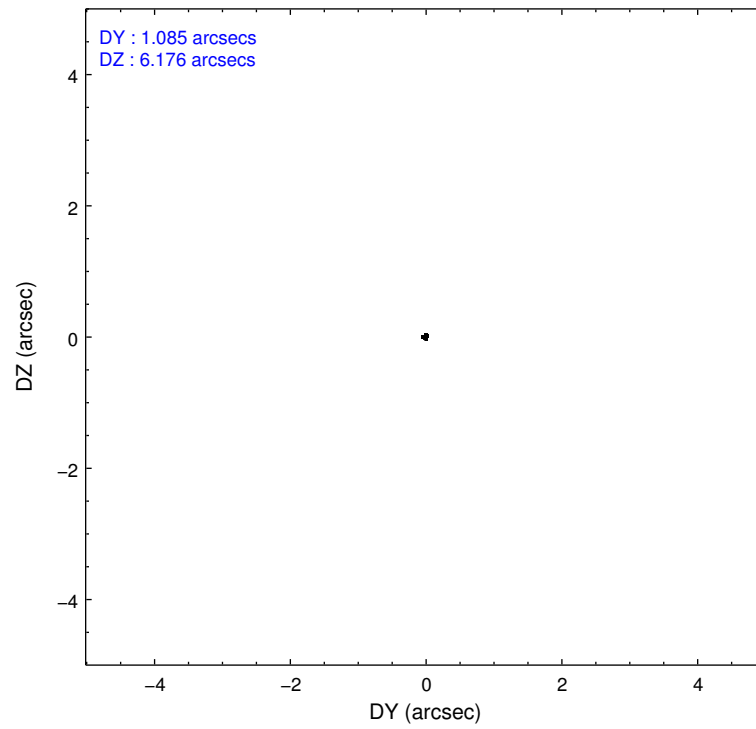
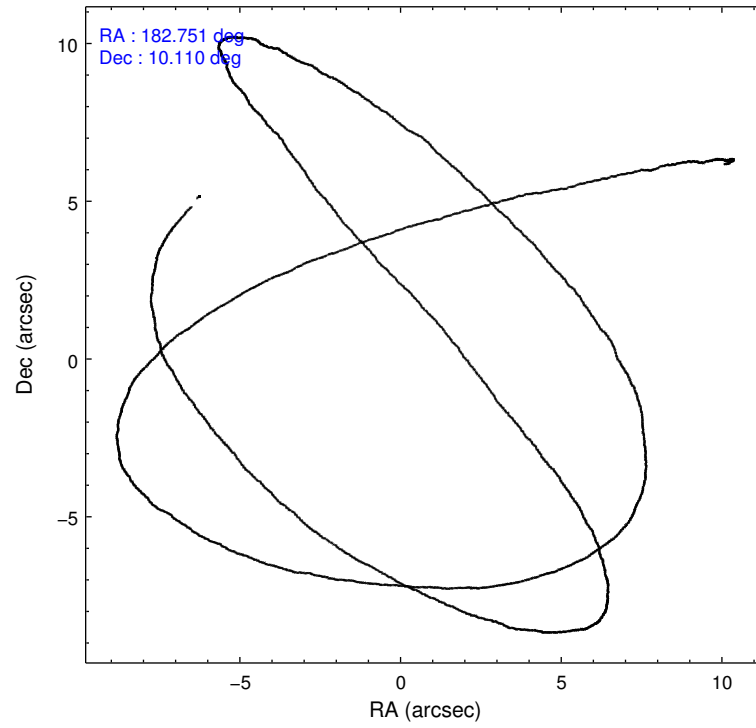
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	101	93	761	93	480	340
	1%	1%	40%	1%	30%	6%
grade 1 events	1	0	10	1	3	8
	0%	0%	0%	0%	0%	0%
grade 2 events	47	16	510	45	377	269
	0%	0%	27%	0%	24%	4%
grade 3 events	32	31	137	30	187	117
	0%	0%	7%	0%	11%	2%
grade 4 events	38	31	132	37	174	120
	0%	0%	7%	0%	11%	2%
grade 5 events	6	3	40	2	22	34
	0%	0%	2%	0%	1%	0%
grade 6 events	23	11	150	8	228	350
	0%	0%	7%	0%	14%	6%
grade 7 events	5380	5004	137	4501	90	4367
	95%	96%	7%	95%	5%	77%

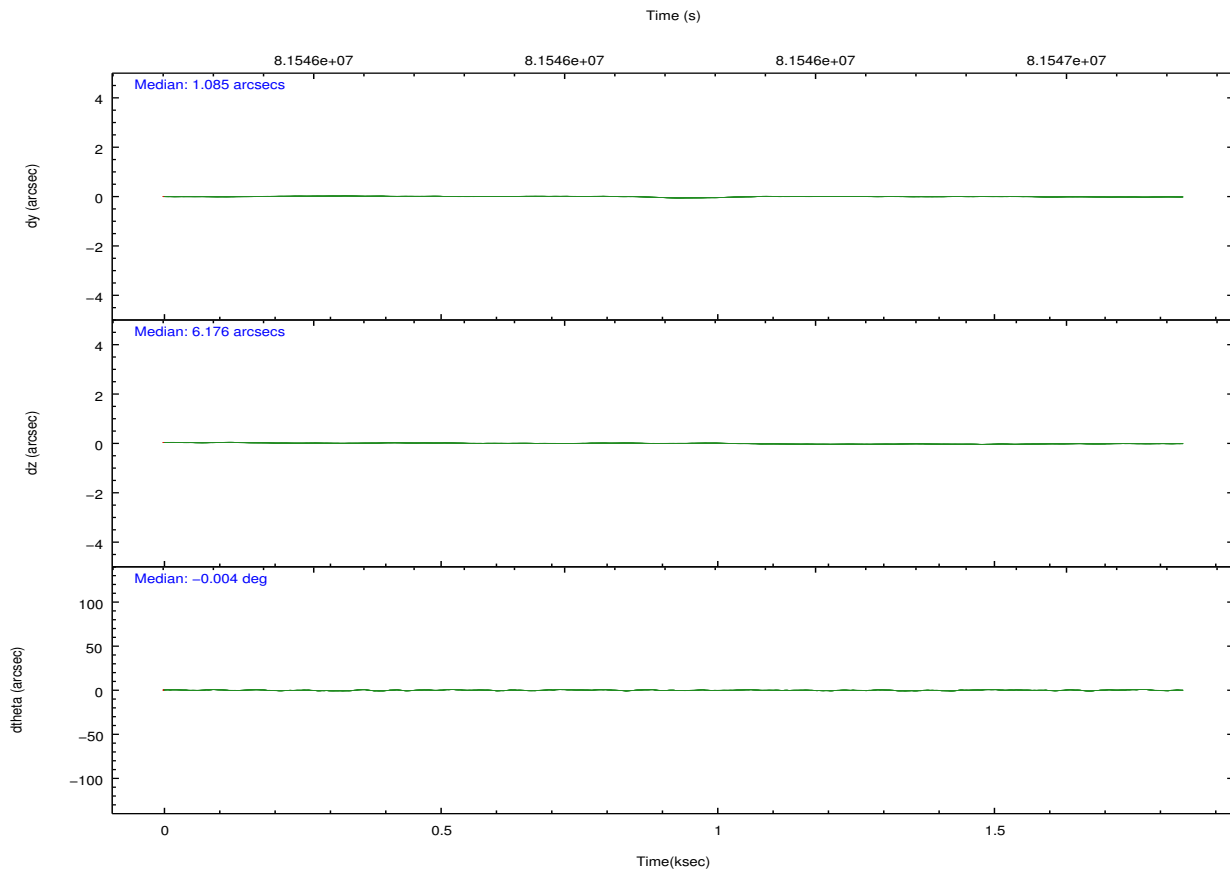
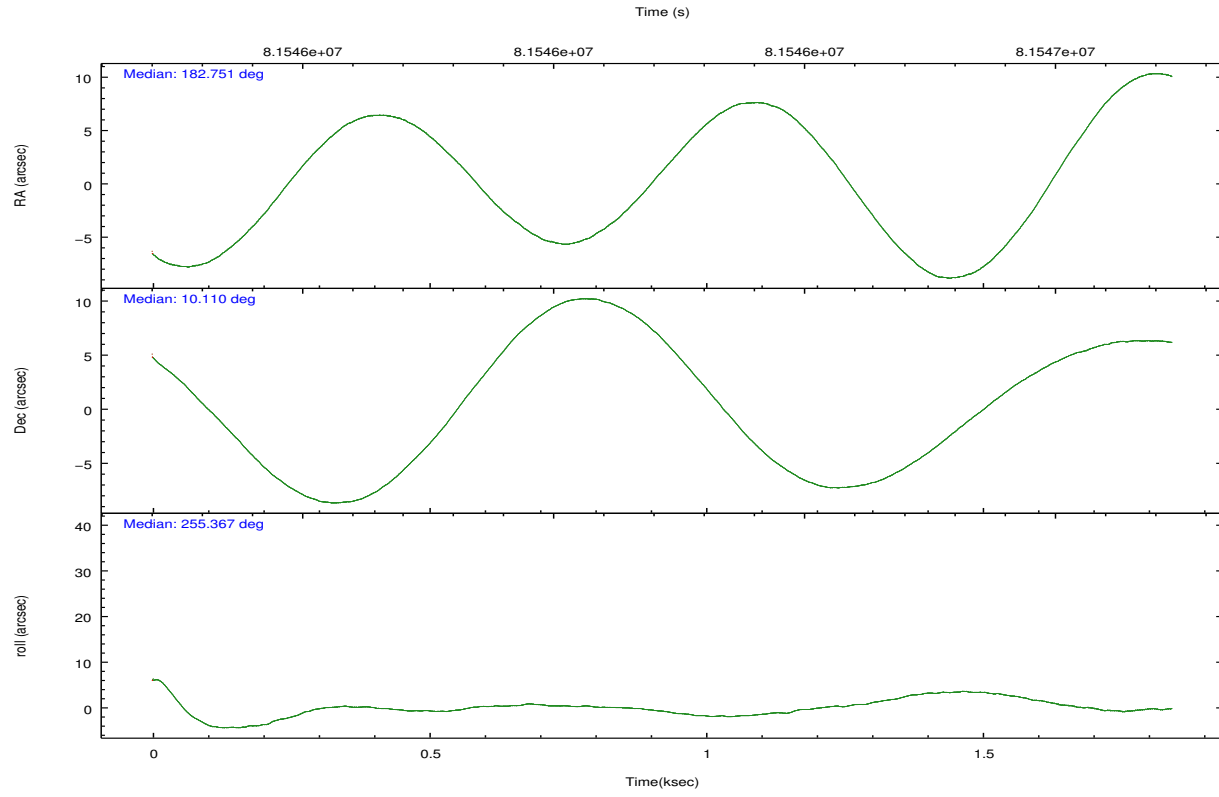
2.2 Compared Parameters

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	182.743311	182.7507965796126
[deg] Pointing Dec	10.136135	10.10964099636674
[deg] Pointing Roll	255.222243	255.377520359022
[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)	81545490.184000	81545114.441508
Observation start date	2000-08-01T19:30:26	2000-08-01T19:25:14
[s] Observation end time (MET)	81546490.184000	81547450.929095
Observation end date	2000-08-01T19:47:06	2000-08-01T20:04:10
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



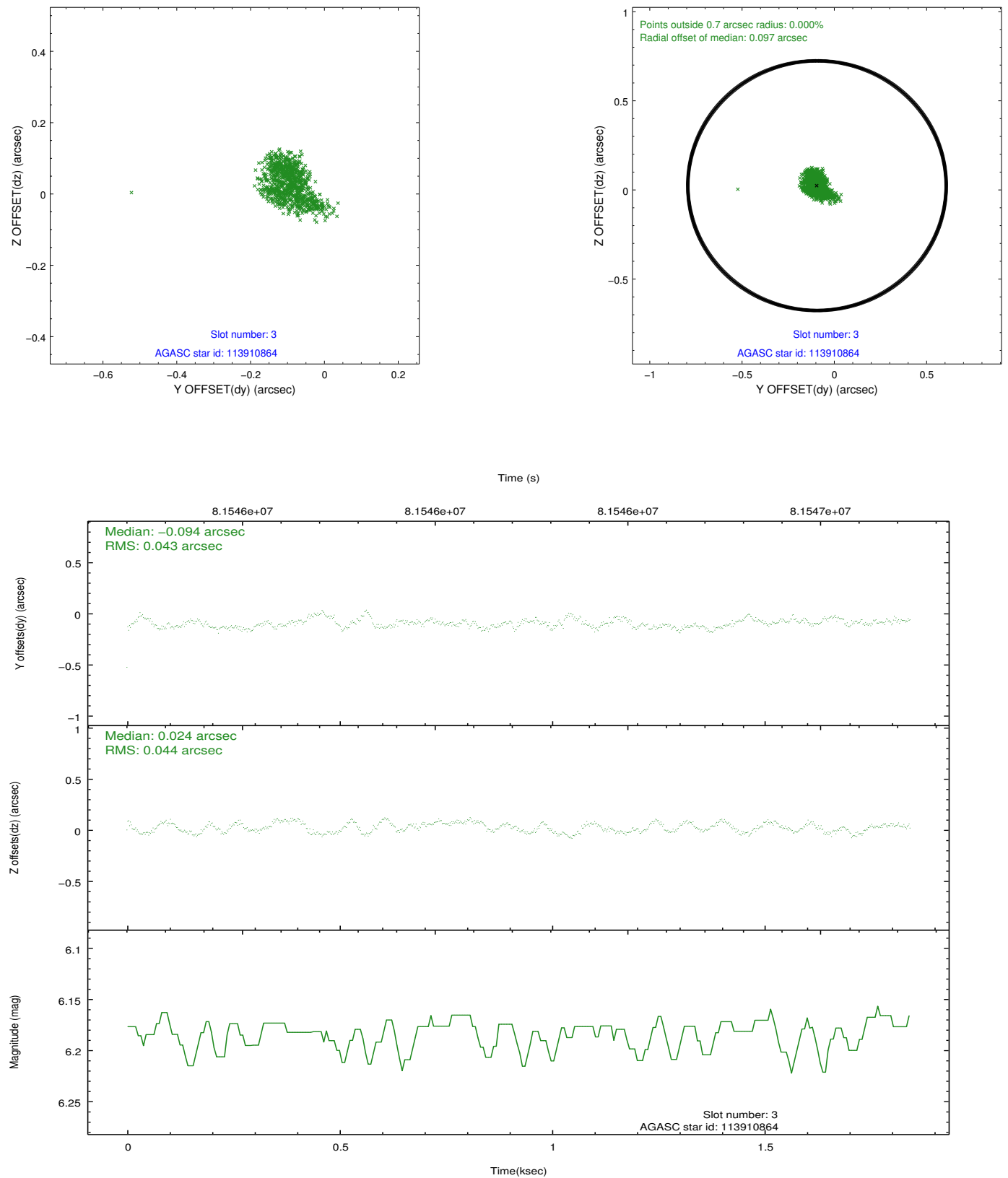


Slot Statistics

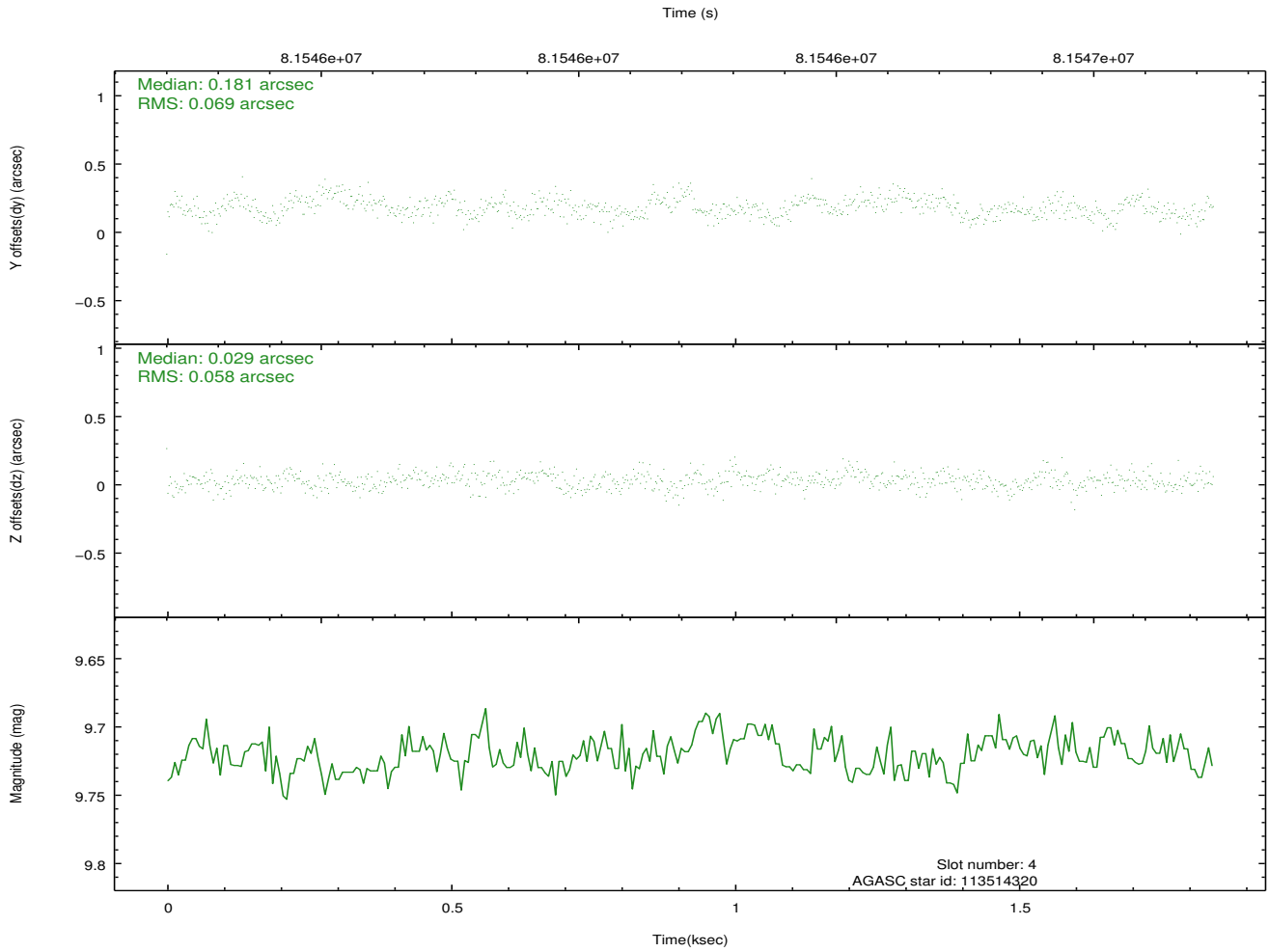
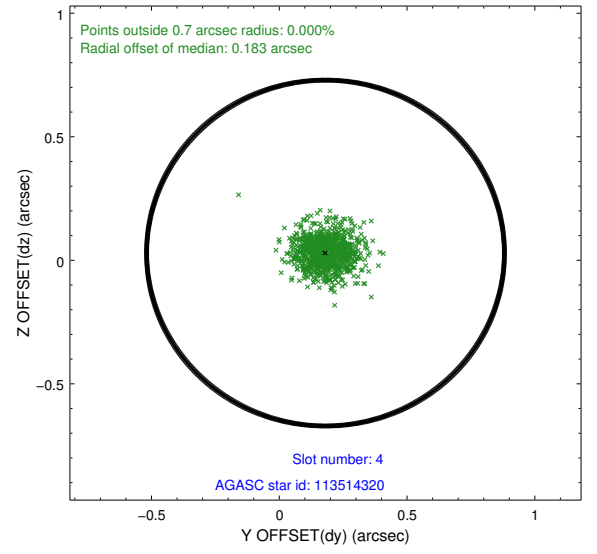
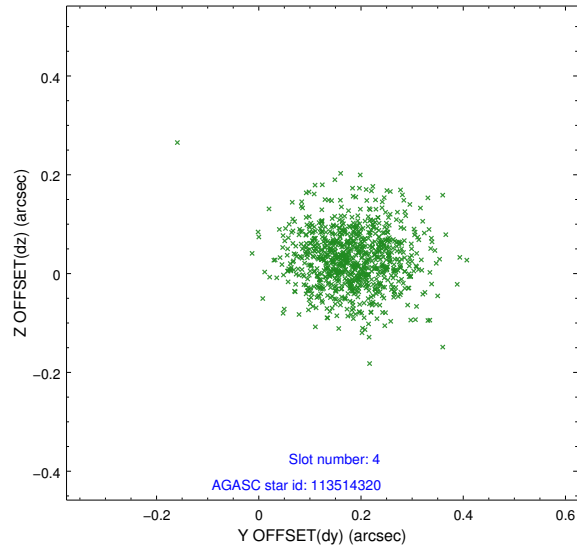
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	450	-0.045	-0.004	0.006	0.009	0.000000	0.000000	-753.71	-1727.27
1	FID	ACIS-S-4	7.21	450	0.009	0.023	0.005	0.009	0.000000	0.000000	2158.01	177.58
2	FID	ACIS-S-5	7.23	450	0.006	-0.010	0.006	0.011	0.000000	0.000000	-1801.91	175.25
3	GUIDE	113910864	6.18	900	-0.094	0.024	0.065	0.100	183.358076	10.262342	-996.71	1988.17
4	GUIDE	113514320	9.72	900	0.181	0.029	0.093	0.159	183.030216	9.556614	1756.44	1518.58
5	GUIDE	113909720	7.53	900	-0.013	-0.050	0.071	0.120	183.372953	10.041634	-240.22	2245.10
6	GUIDE	113905264	10.20	900	-0.052	-0.120	0.100	0.169	182.445692	10.343633	-453.43	-1208.46
7	GUIDE	113906616	7.92	897	-0.022	0.111	0.067	0.105	183.239714	10.037718	-107.71	1789.50

2.4 Star Slots

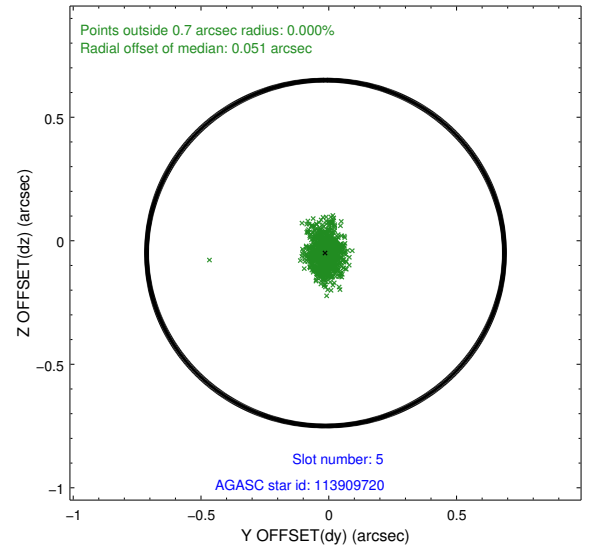
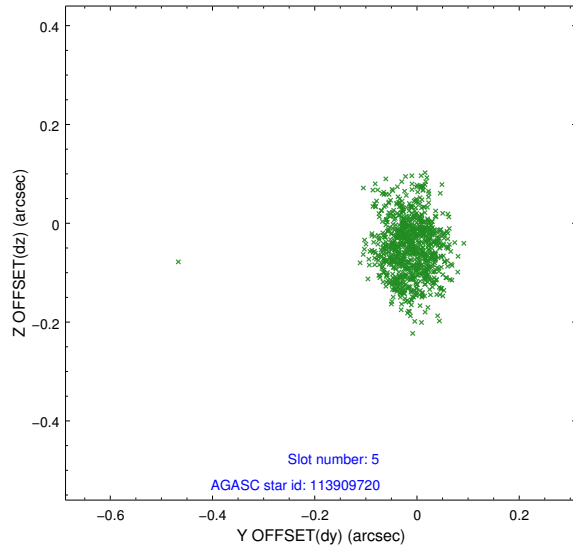
2.4.1 Slot 3



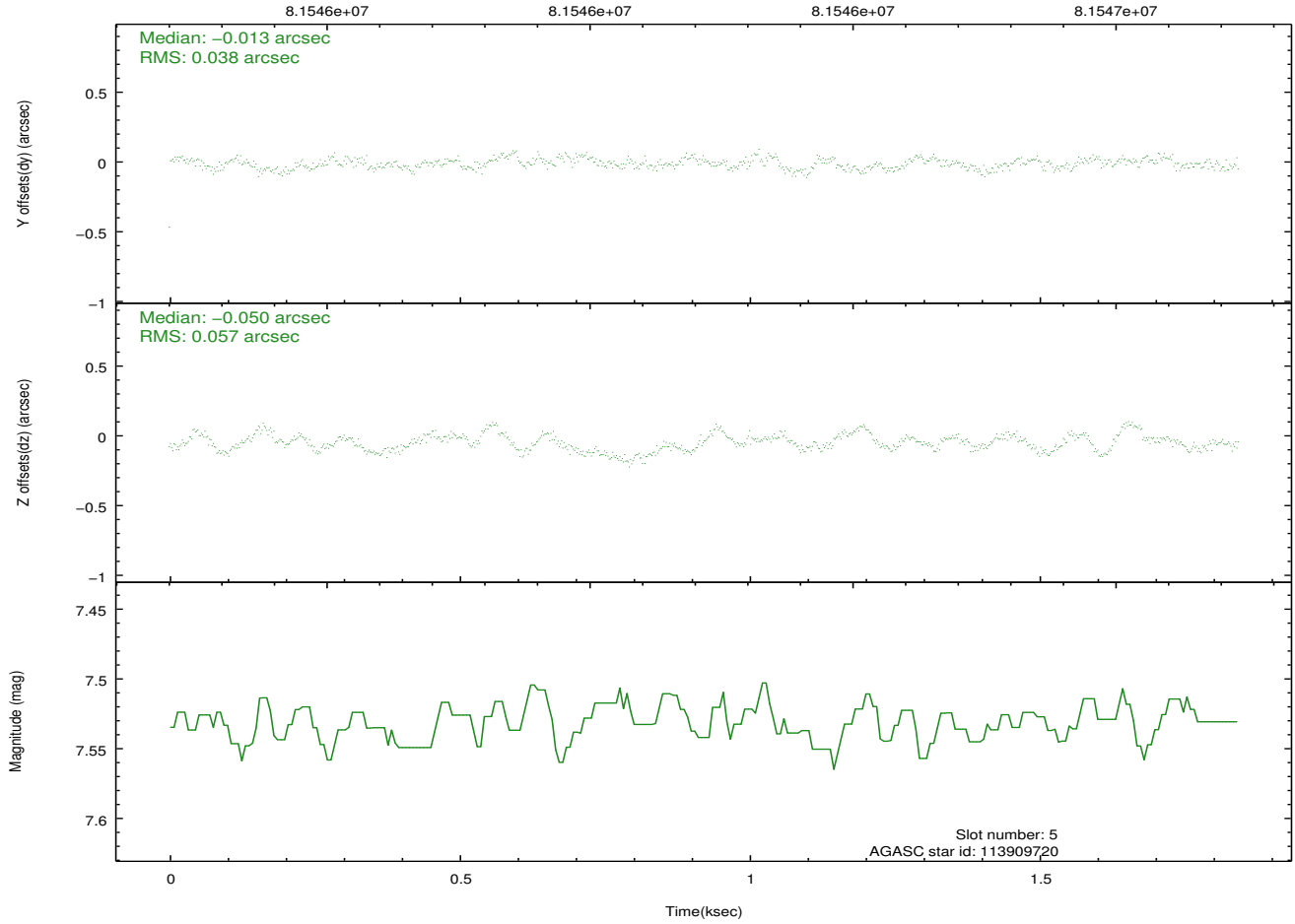
2.4.2 Slot 4



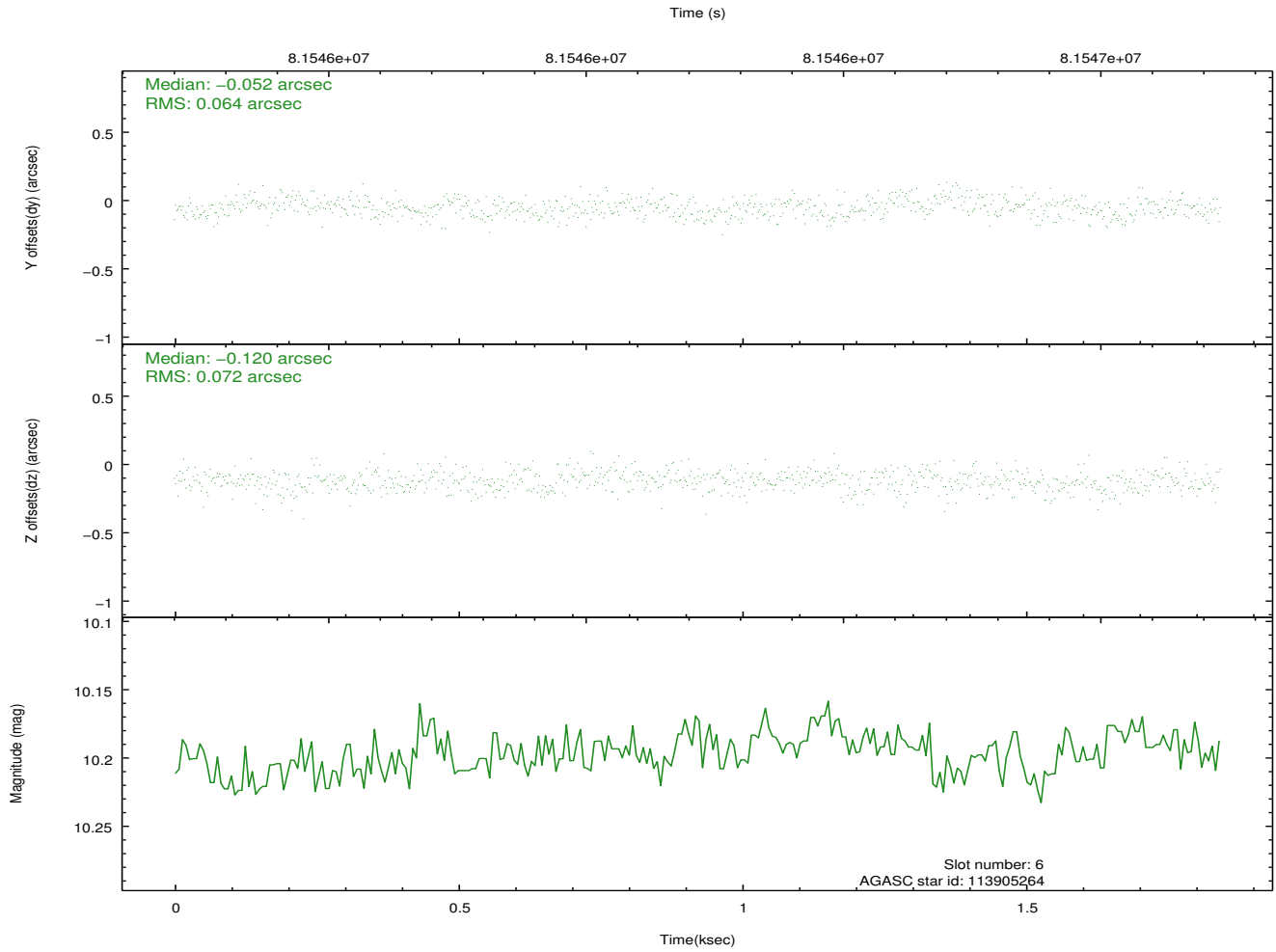
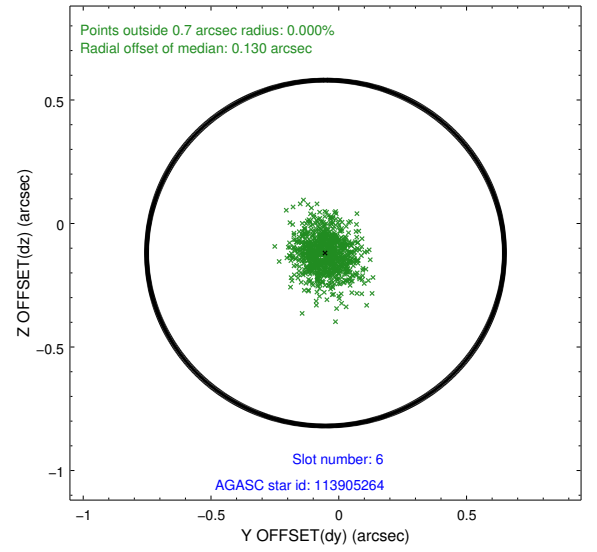
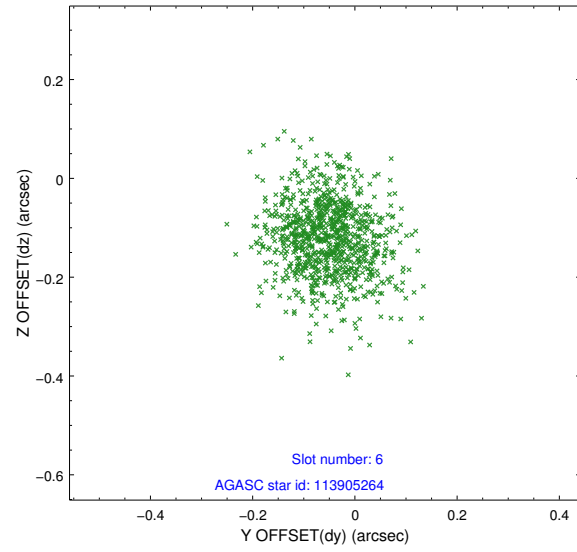
2.4.3 Slot 5



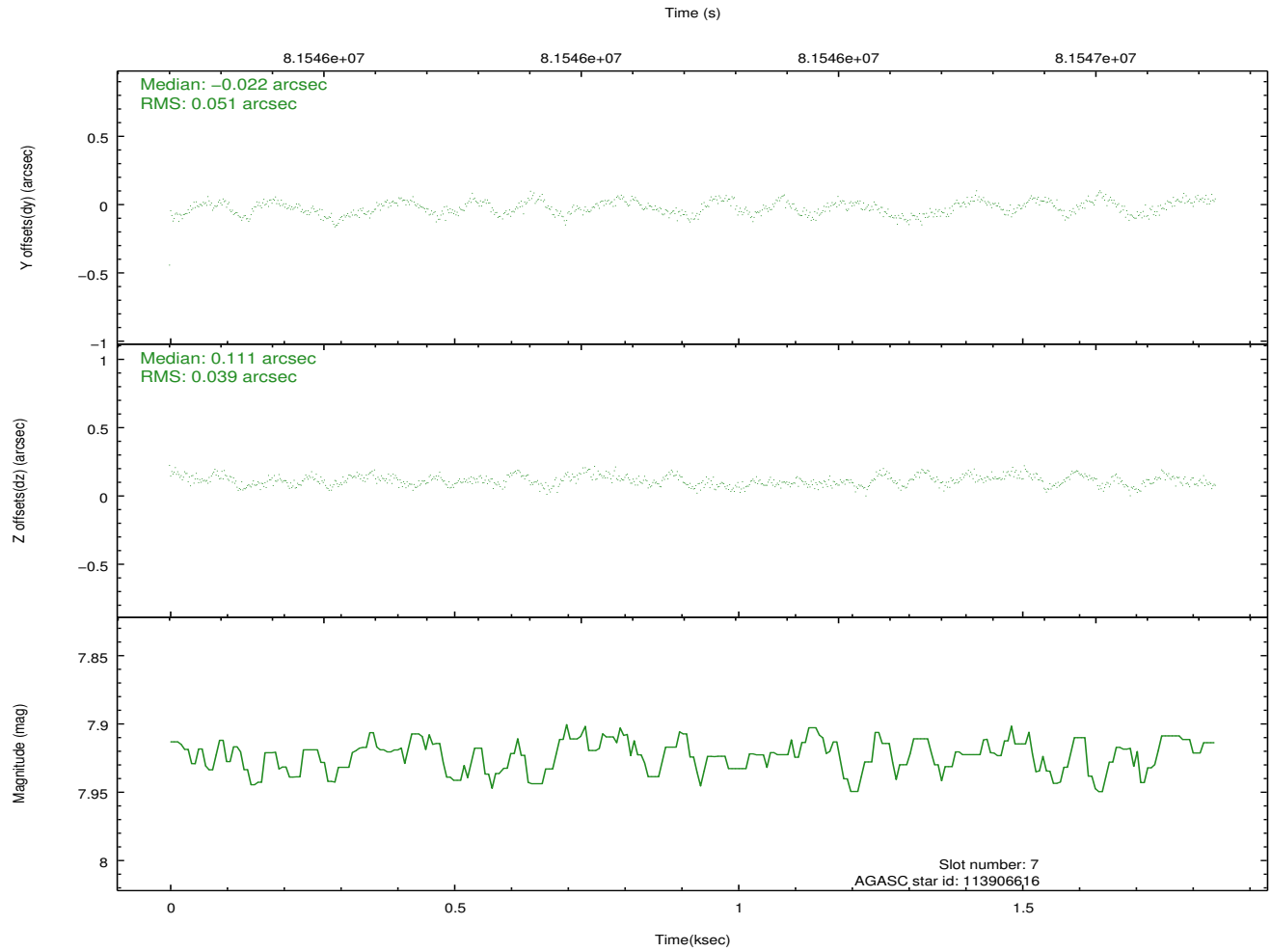
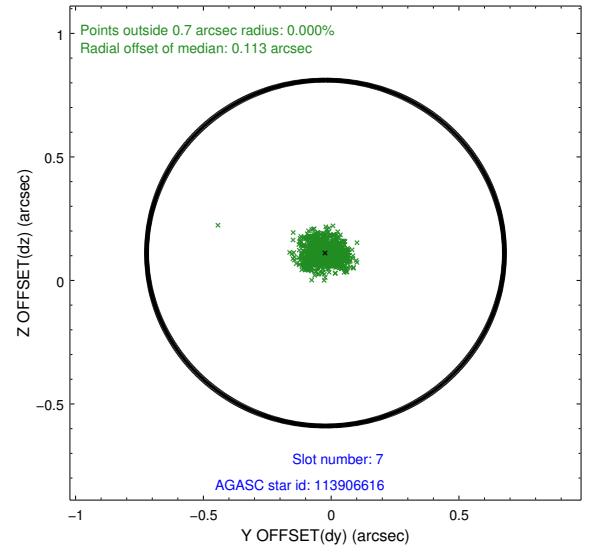
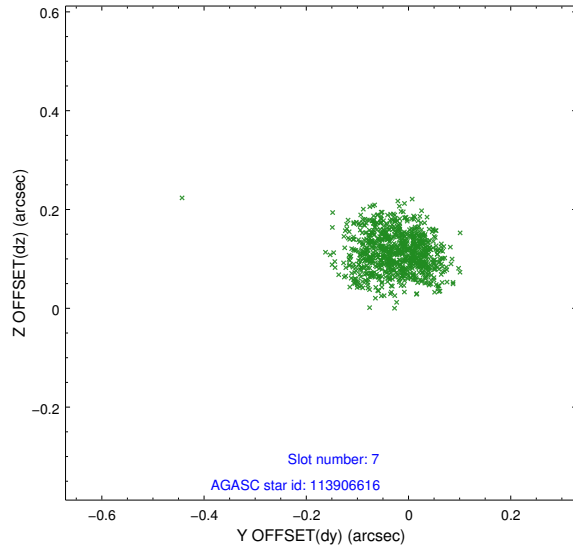
Time (s)



2.4.4 Slot 6

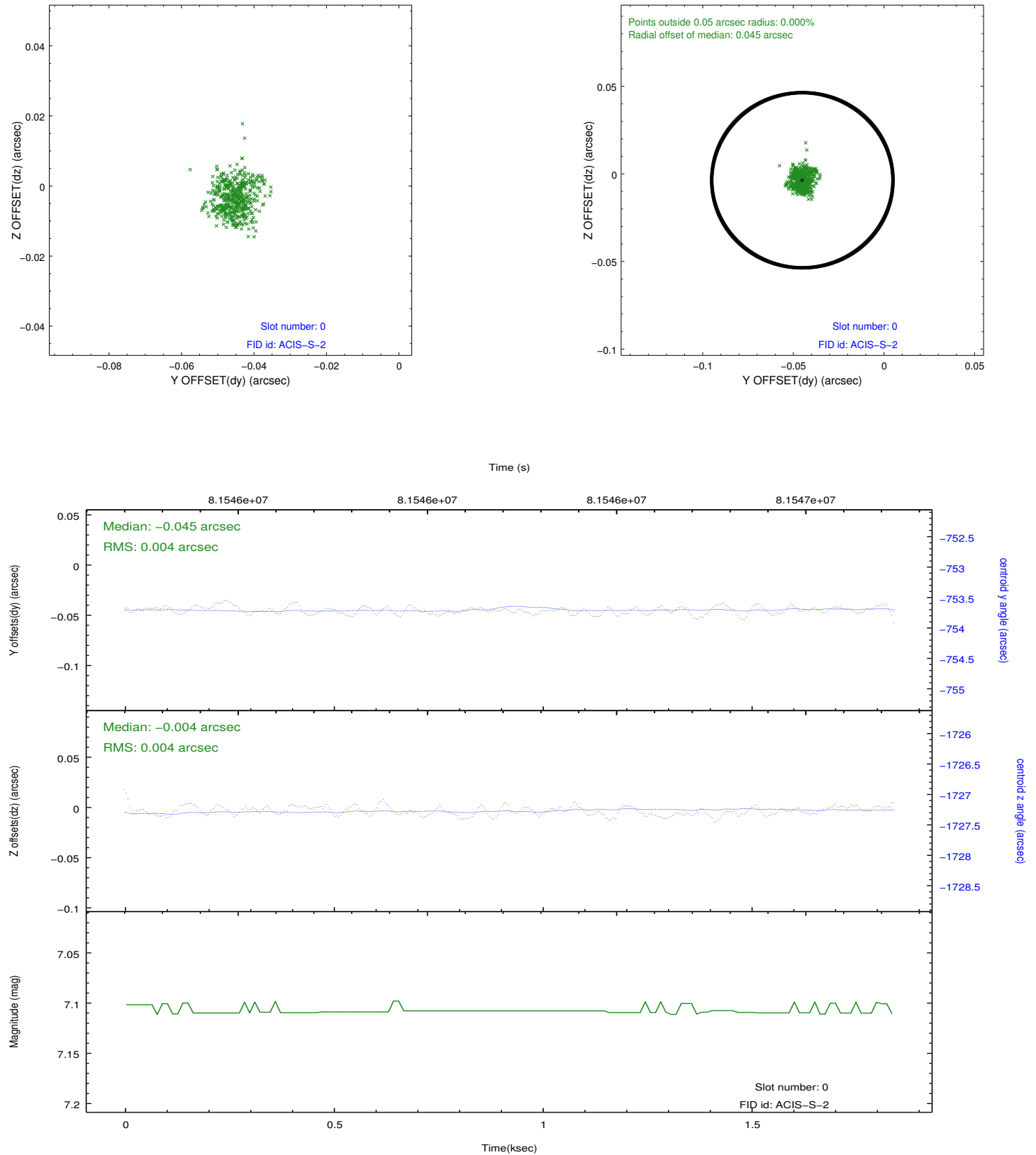


2.4.5 Slot 7

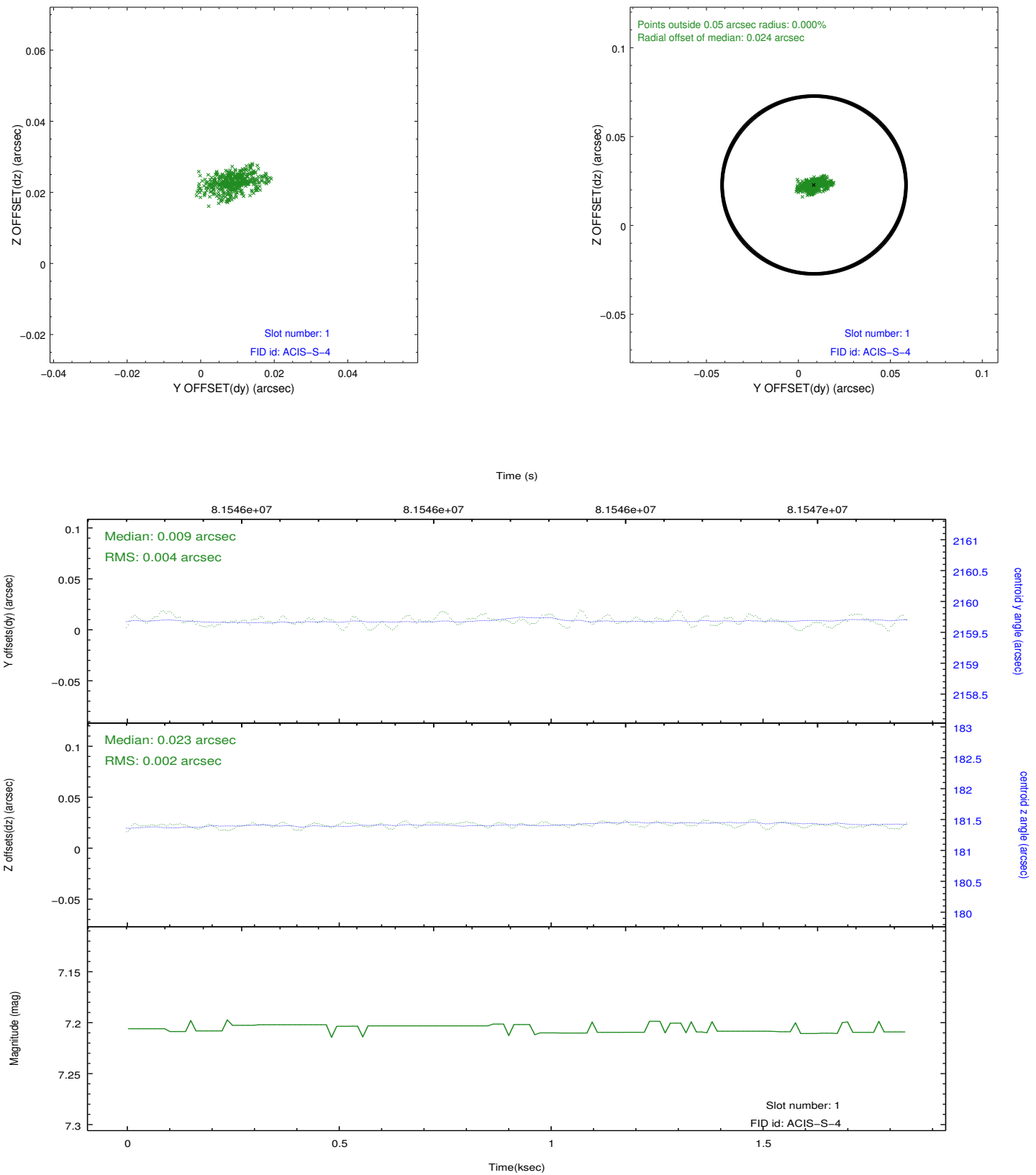


2.5 FID Slots

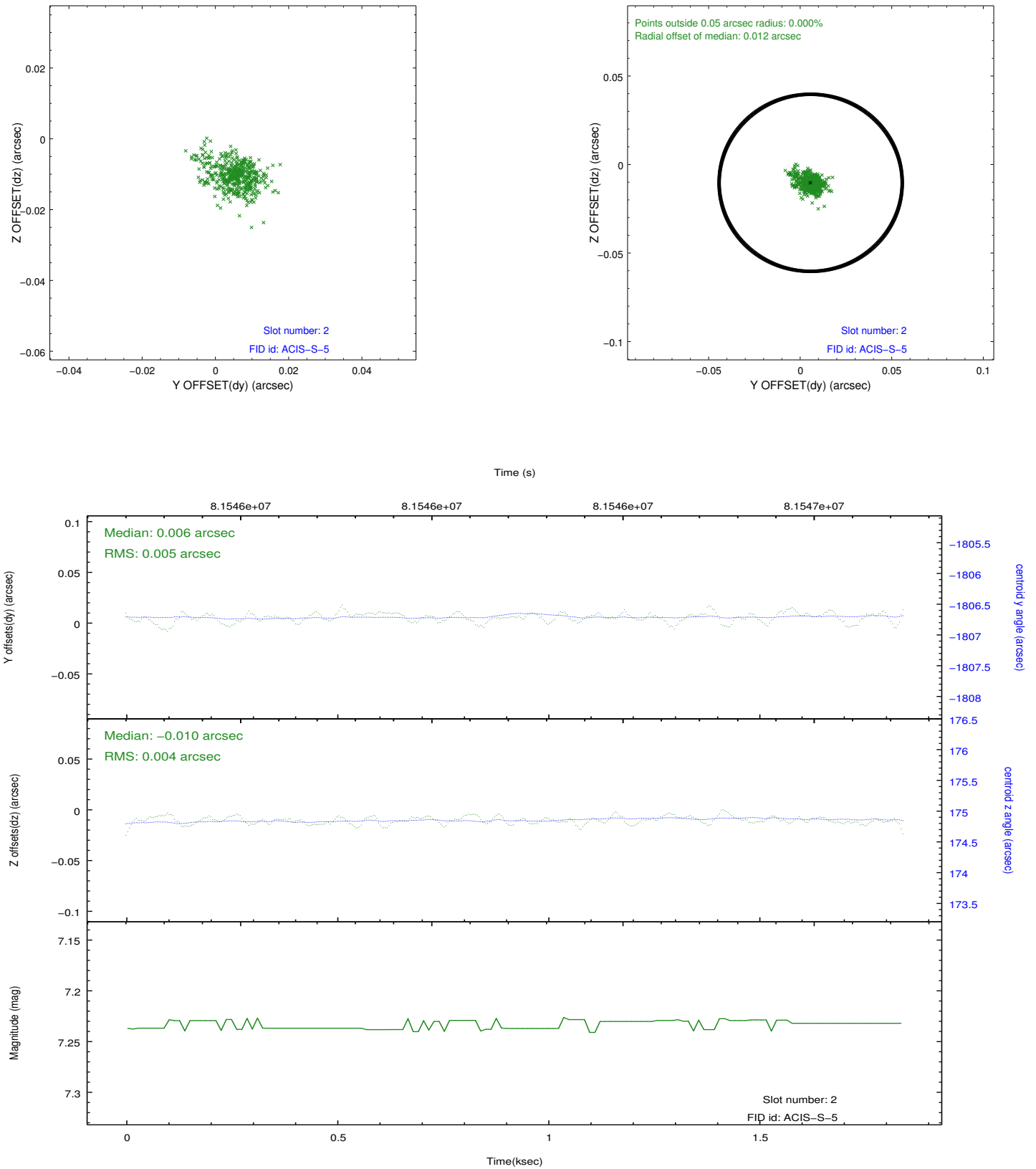
2.5.1 Slot 0



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