

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1834 - L2 Version 4
Chandra X-Ray Center

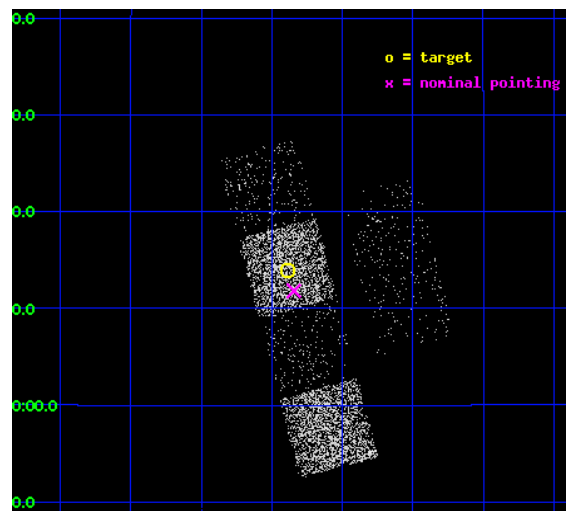
L2 Processing Date : Aug 31 2012

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

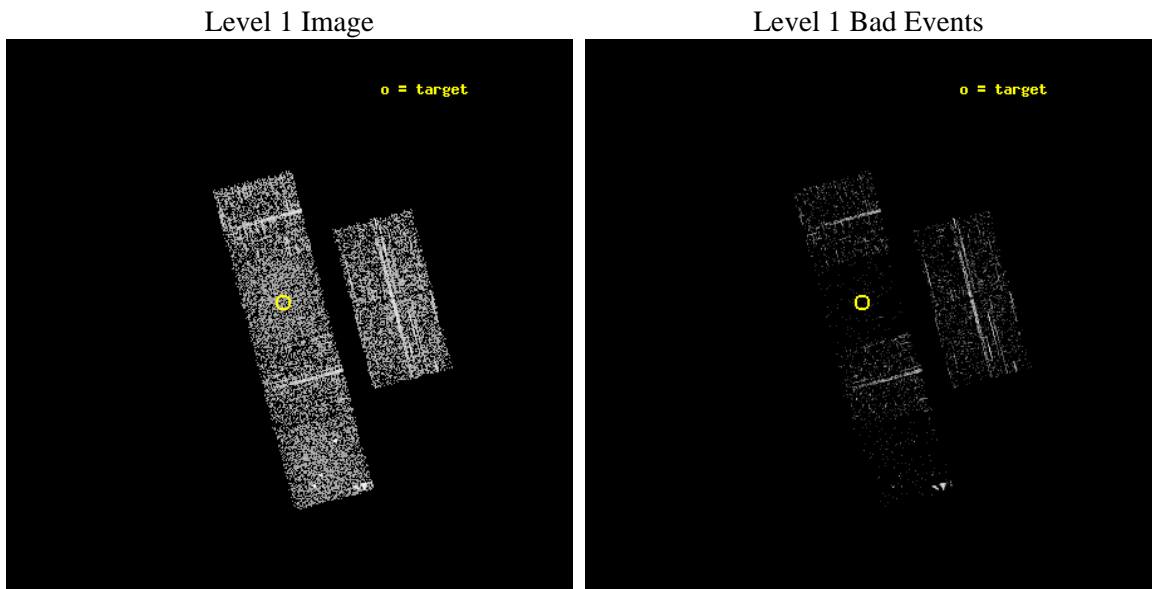
seq_num	100018	Sequence number
obs_id	1834	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	Comet c/LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.72264	Observer's specified target RA [deg]
dec_targ	10.23282	Observer's specified target Dec [deg]
ra_nom	182.71085498187	Nominal RA [deg]
dec_nom	10.196931421818	Nominal Dec [deg]
roll_nom	255.4399239109	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	5801	Number of level 2 events



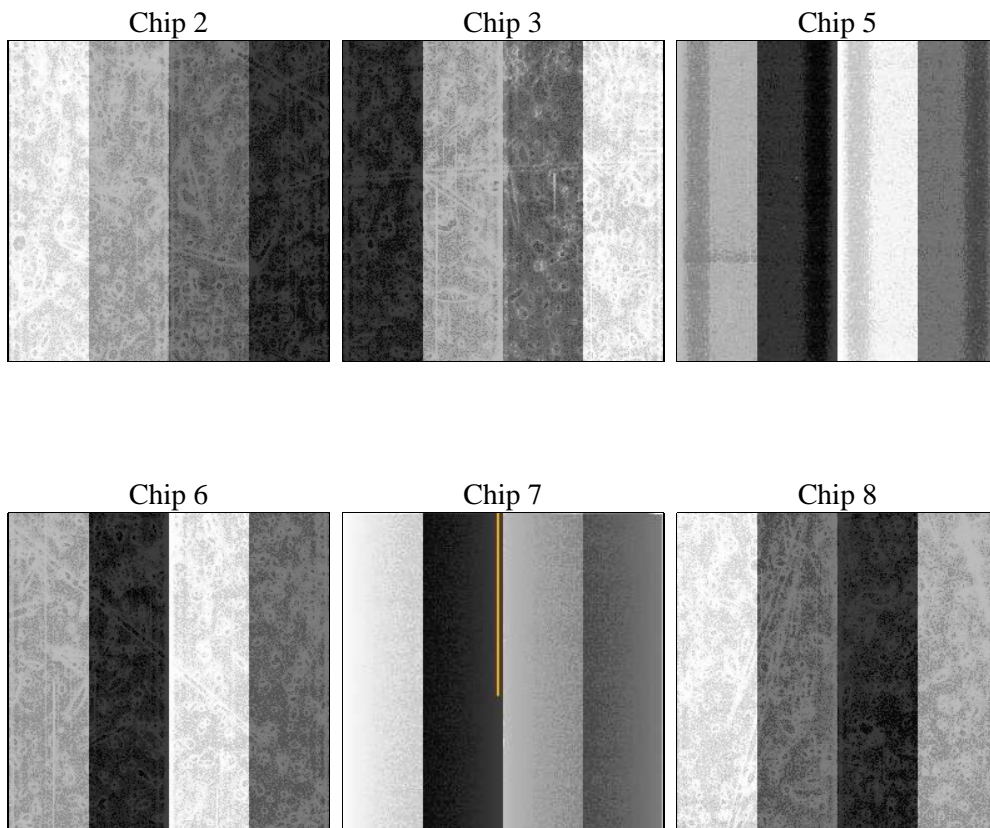
2 OBI

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	1196.8000010997	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1196.8000010997	Sum of GTIs [s]
date	2012-08-31T12:13:23	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	31139	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6124	5507	4807	4818	3838	6045
rejected events	5922	5327	1818	4548	1235	4831
rejected %	96%	96%	37%	94%	32%	79%

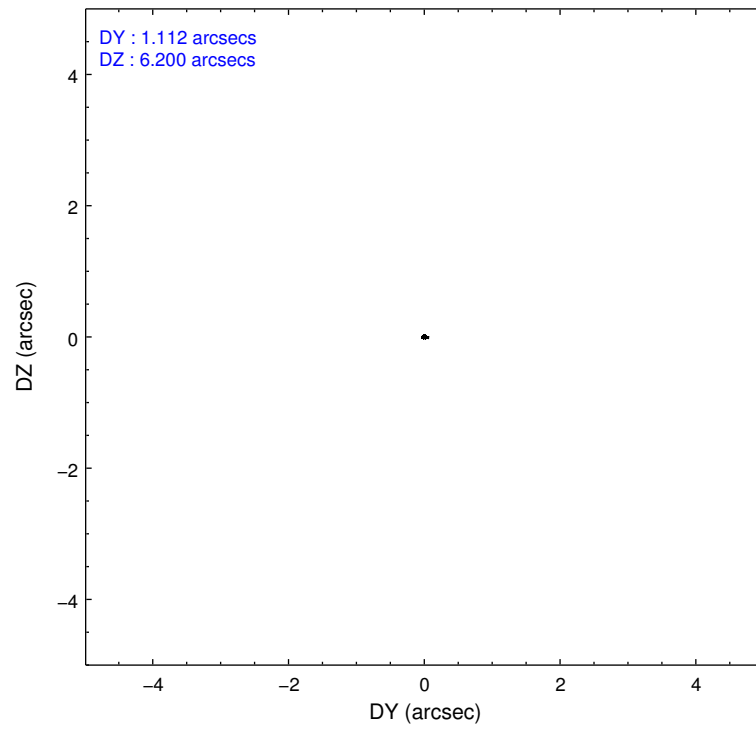
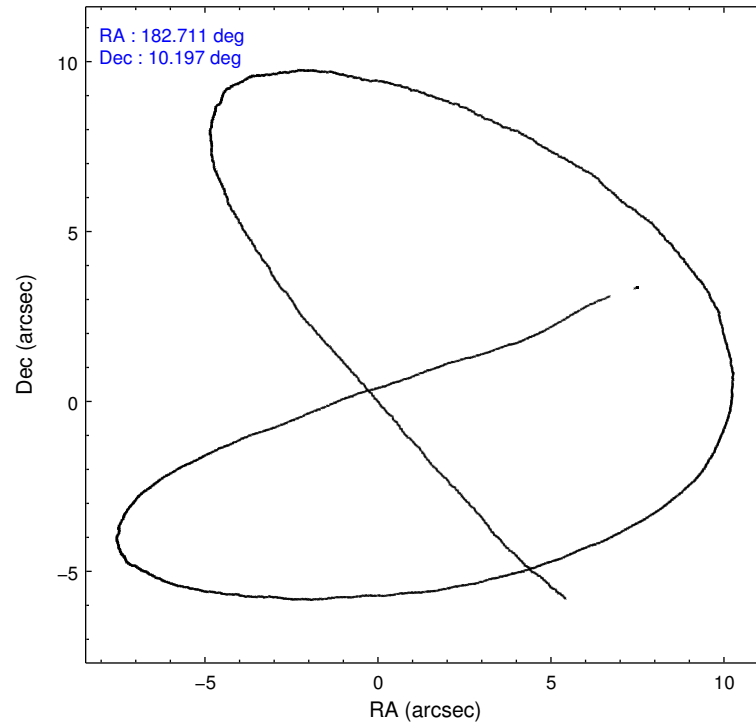
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	132	123	1779	241	1212	480
	2%	2%	37%	5%	31%	7%
grade 1 events	0	2	32	4	1	2
	0%	0%	0%	0%	0%	0%
grade 2 events	38	29	1158	41	986	256
	0%	0%	24%	0%	25%	4%
grade 3 events	33	31	338	29	398	215
	0%	0%	7%	0%	10%	3%
grade 4 events	35	23	332	21	414	163
	0%	0%	6%	0%	10%	2%
grade 5 events	3	2	90	4	48	24
	0%	0%	1%	0%	1%	0%
grade 6 events	25	9	483	16	714	348
	0%	0%	10%	0%	18%	5%
grade 7 events	5858	5288	595	4462	65	4557
	95%	96%	12%	92%	1%	75%

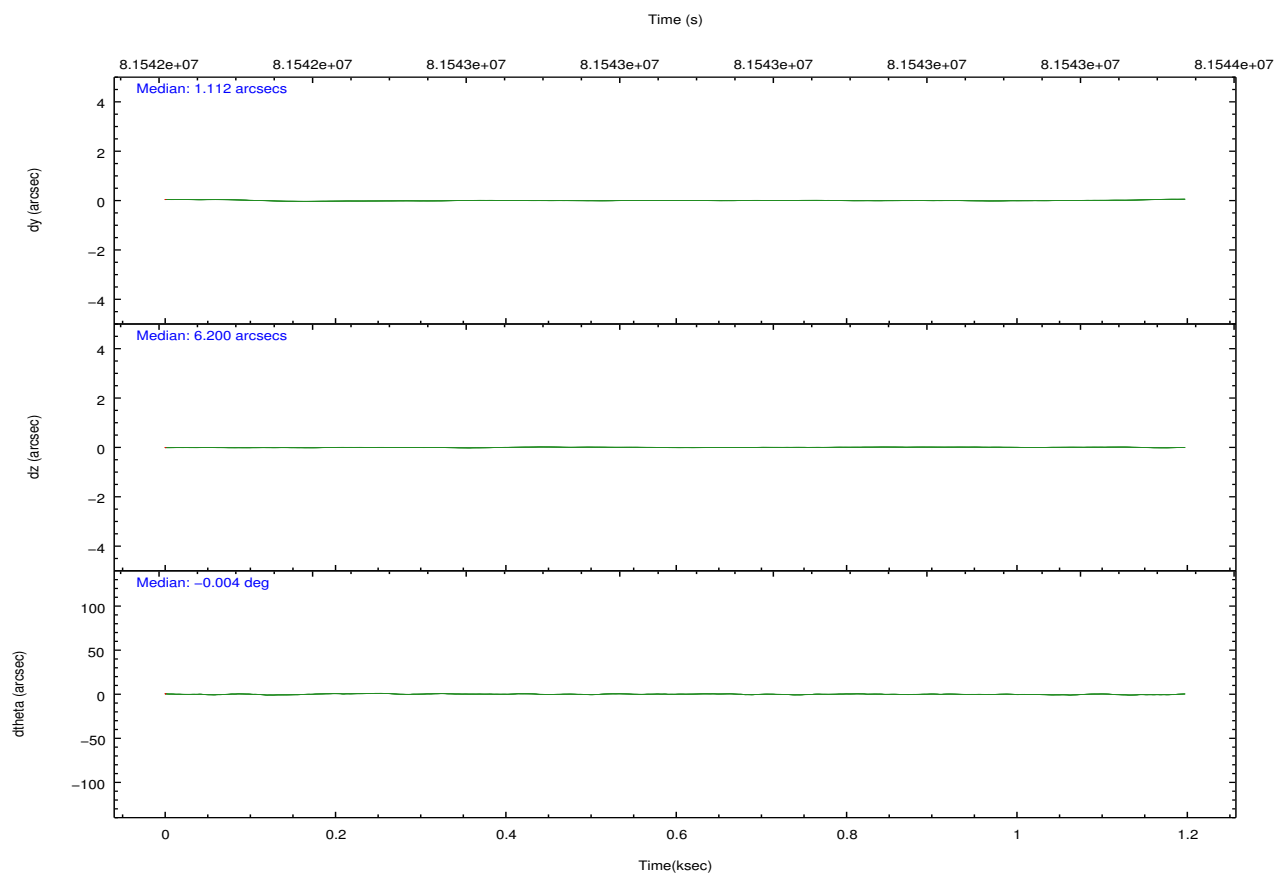
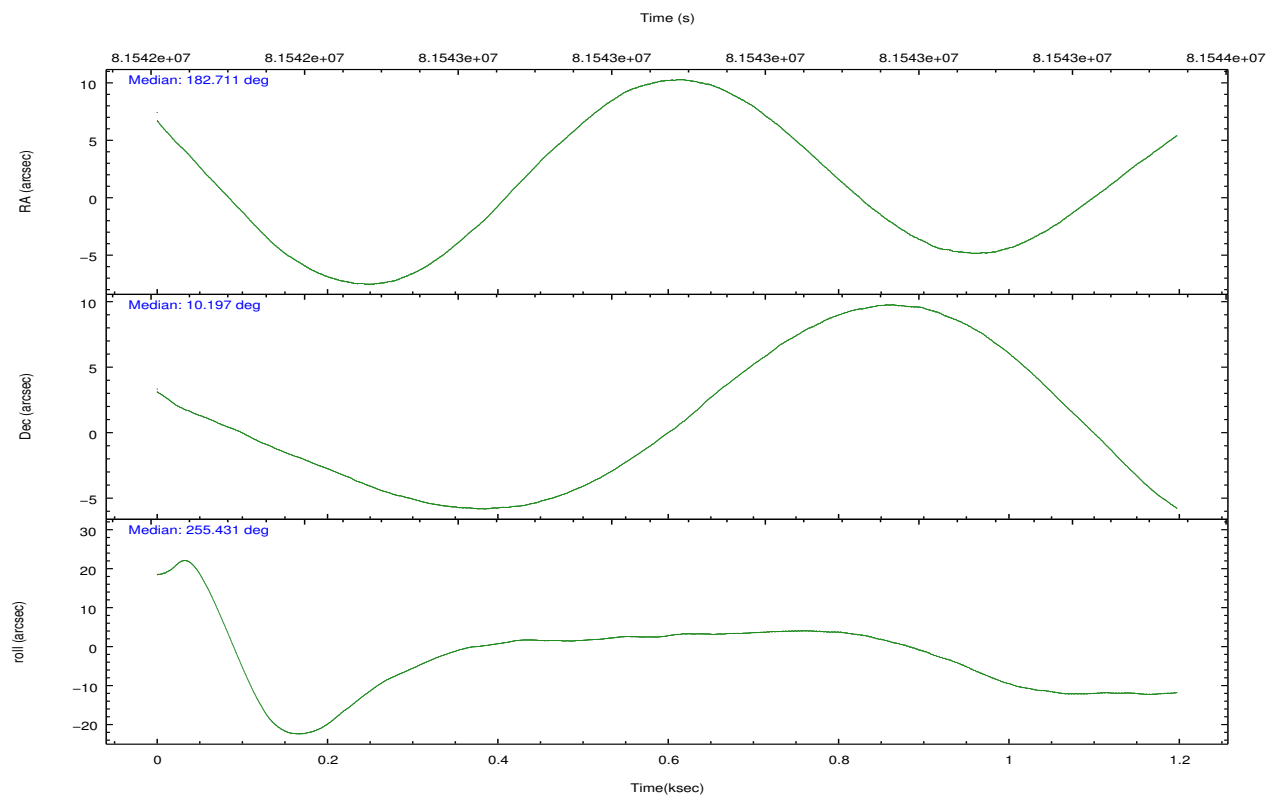
2.2 Compared Parameters

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	182.703633	182.7108549818695
[deg] Pointing Dec	10.223258	10.19693142181839
[deg] Pointing Roll	255.284451	255.4399239108967
[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)	81542200.184000	81542094.27889501
Observation start date	2000-08-01T18:35:36	2000-08-01T18:34:54
[s] Observation end time (MET)	81543470.184000	81543604.10395201
Observation end date	2000-08-01T18:56:46	2000-08-01T19:00:04
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



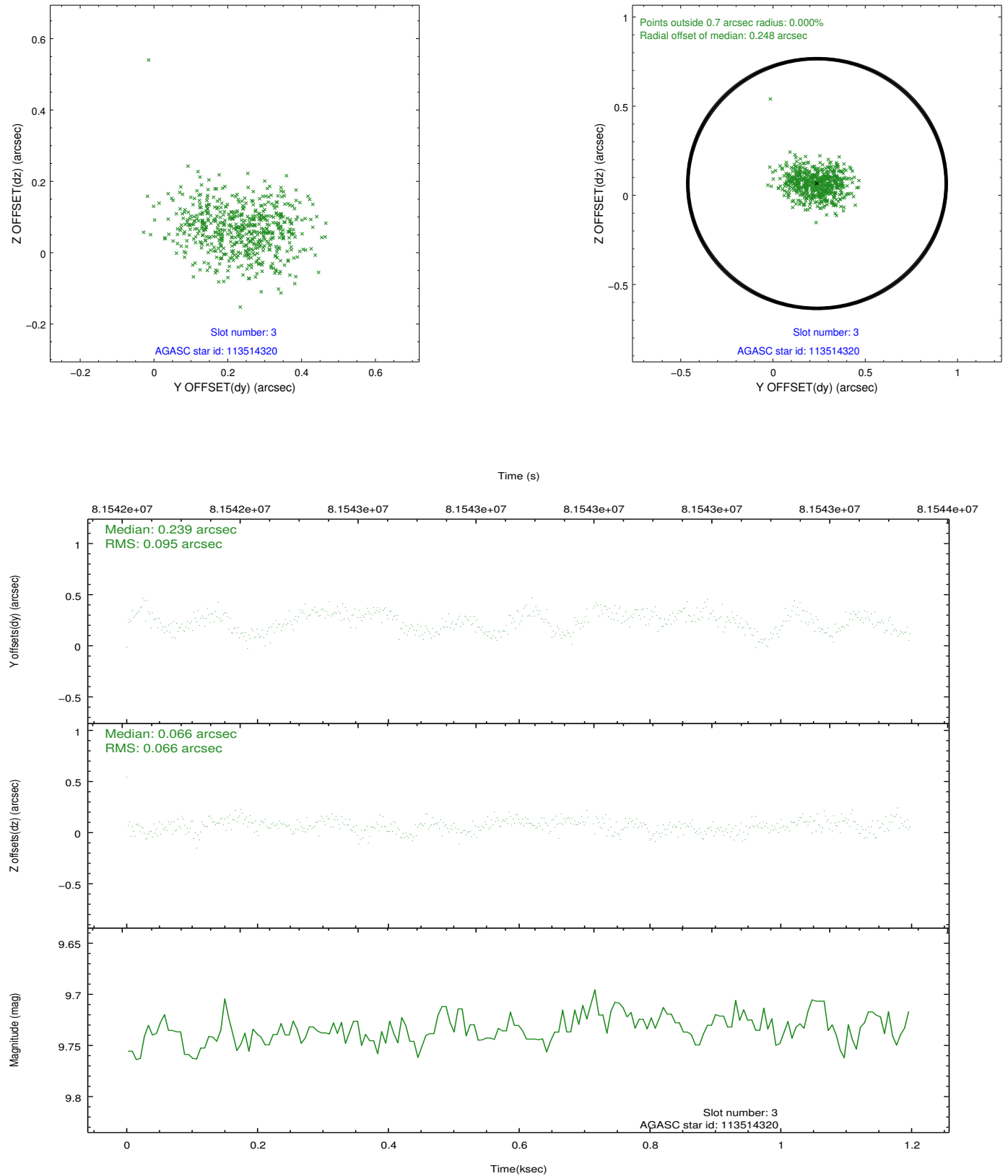


Slot Statistics

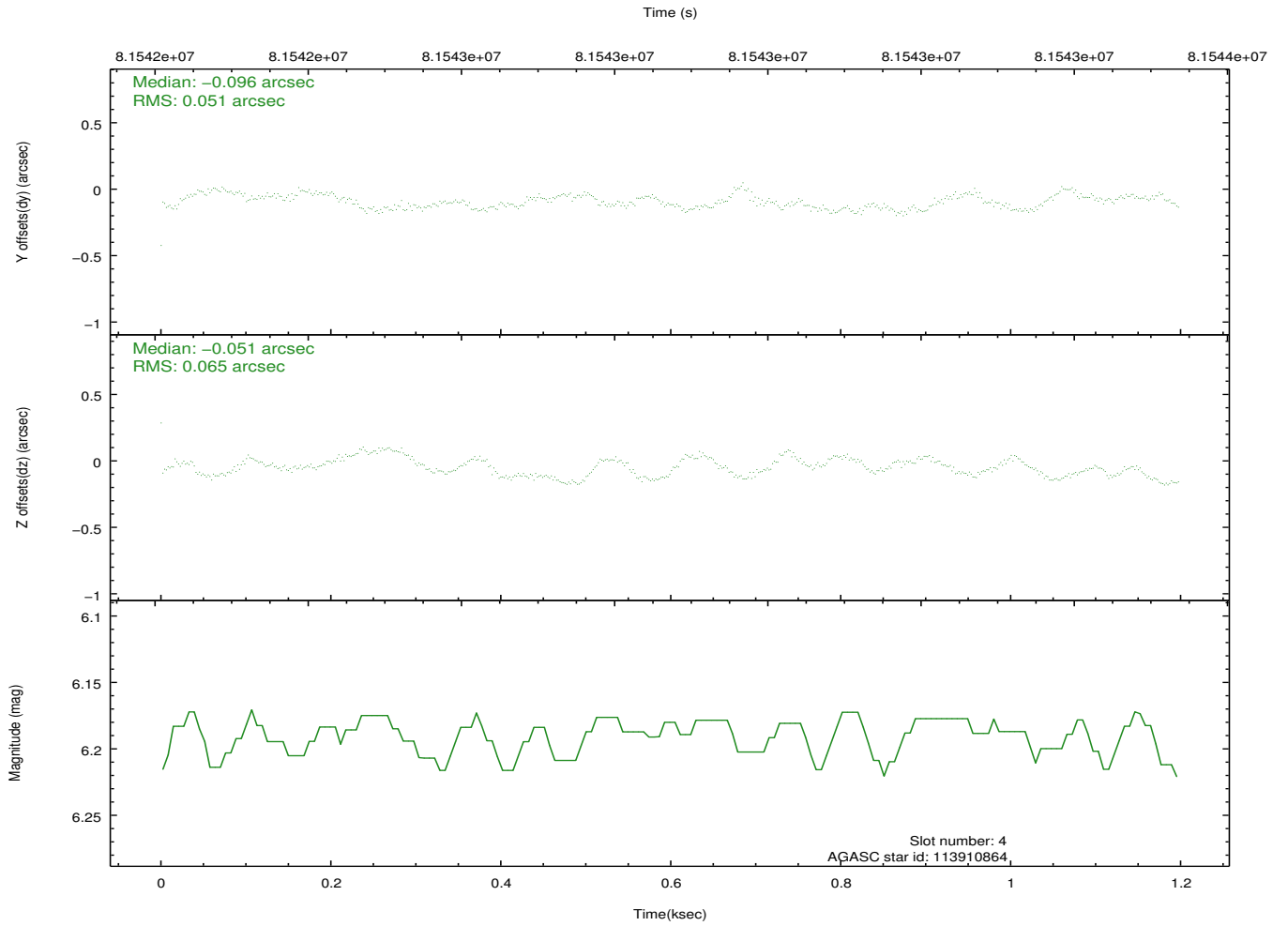
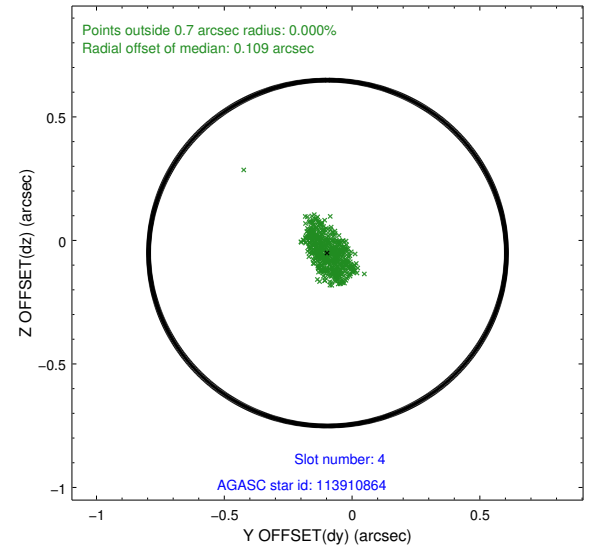
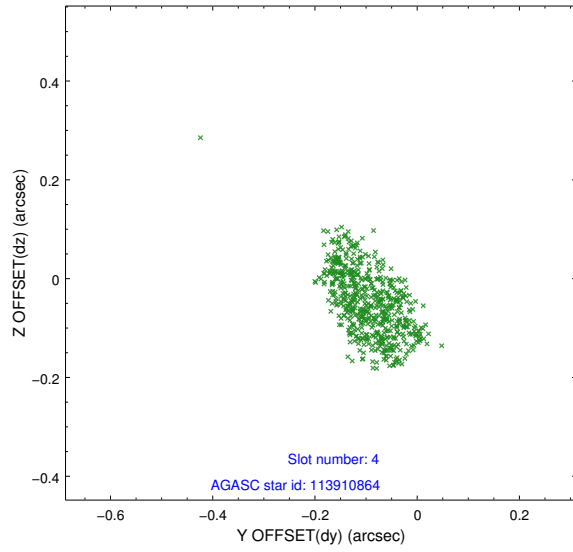
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	293	-0.044	-0.006	0.008	0.012	0.000000	0.000000	-753.74	-1727.30
1	FID	ACIS-S-4	7.21	293	0.010	0.023	0.005	0.008	0.000000	0.000000	2157.08	175.49
2	FID	ACIS-S-5	7.24	293	0.004	-0.009	0.007	0.013	0.000000	0.000000	-1799.38	175.42
3	GUIDE	113514320	9.74	582	0.239	0.066	0.123	0.198	183.030216	9.556614	2026.79	1731.85
4	GUIDE	113910864	6.19	585	-0.096	-0.051	0.088	0.132	183.358076	10.262342	-723.58	2209.16
5	GUIDE	113905264	10.20	567	-0.003	-0.168	0.108	0.182	182.445692	10.343633	-187.96	-989.40
6	GUIDE	113910808	10.20	585	-0.118	0.128	0.173	0.258	183.289541	10.594003	-1819.49	1664.46
7	GUIDE	113906616	7.92	584	-0.017	0.021	0.072	0.118	183.239714	10.037718	159.19	2010.86

2.4 Star Slots

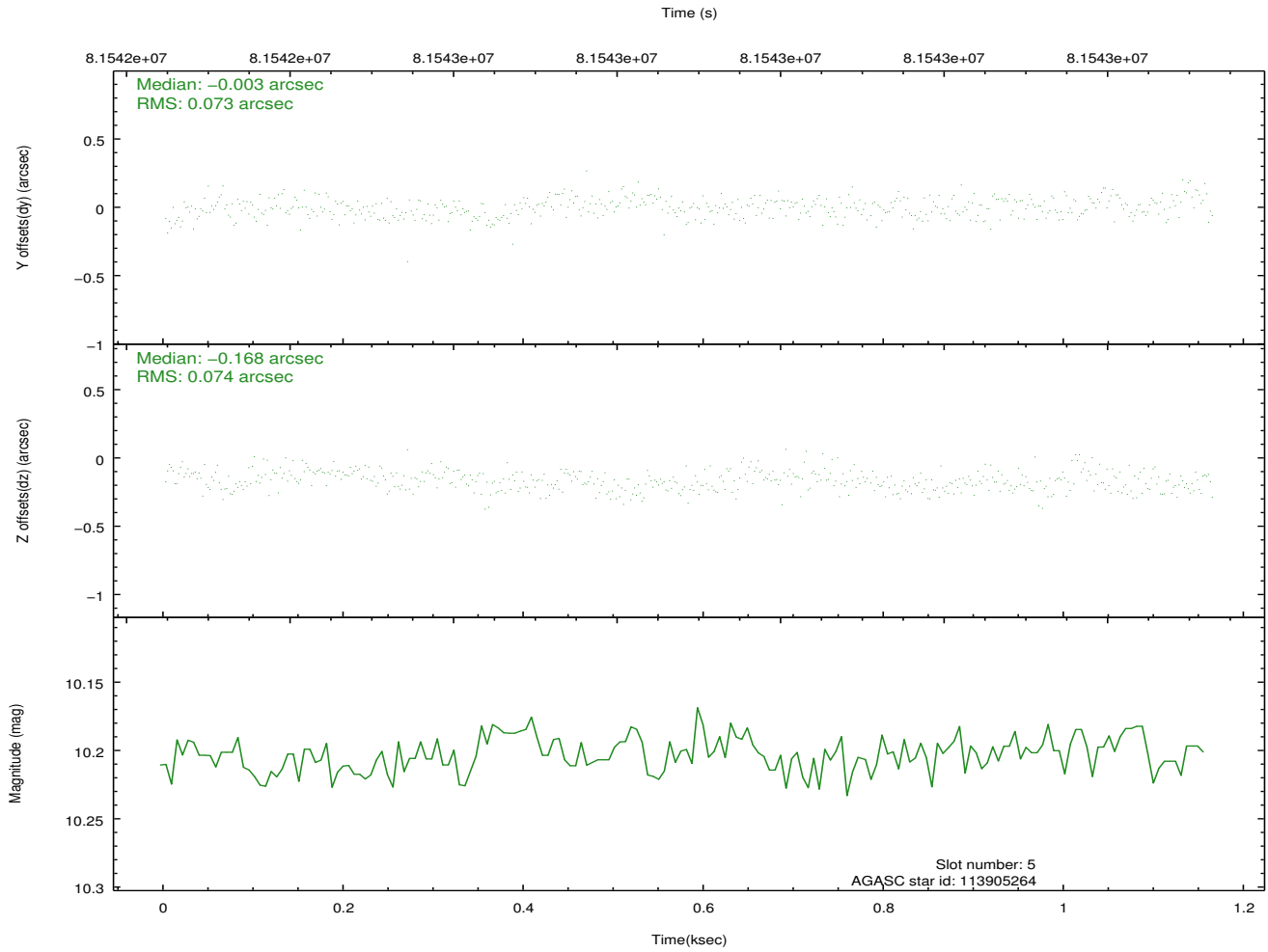
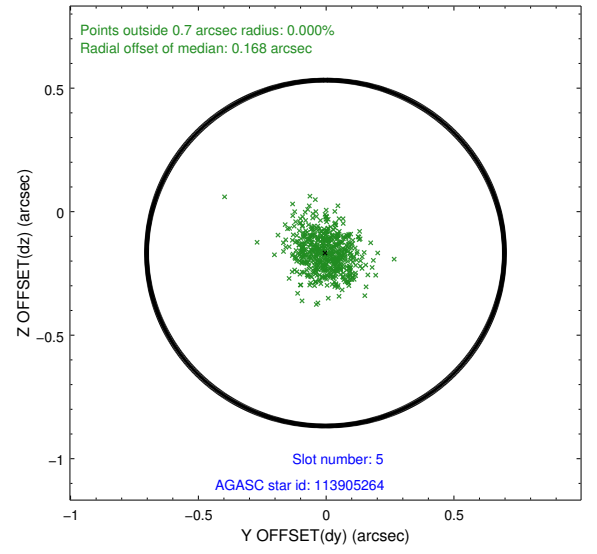
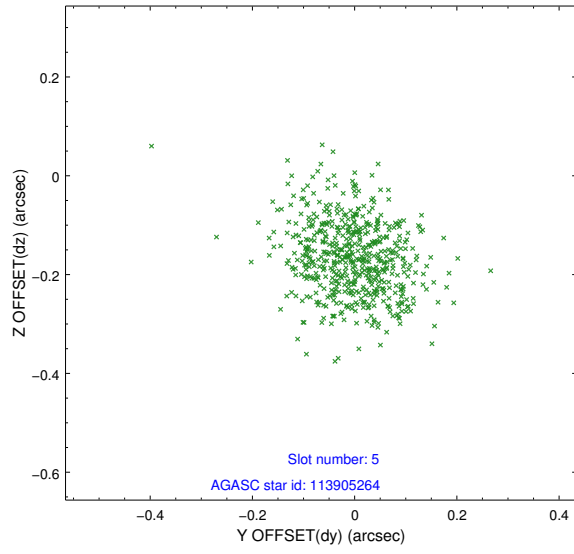
2.4.1 Slot 3



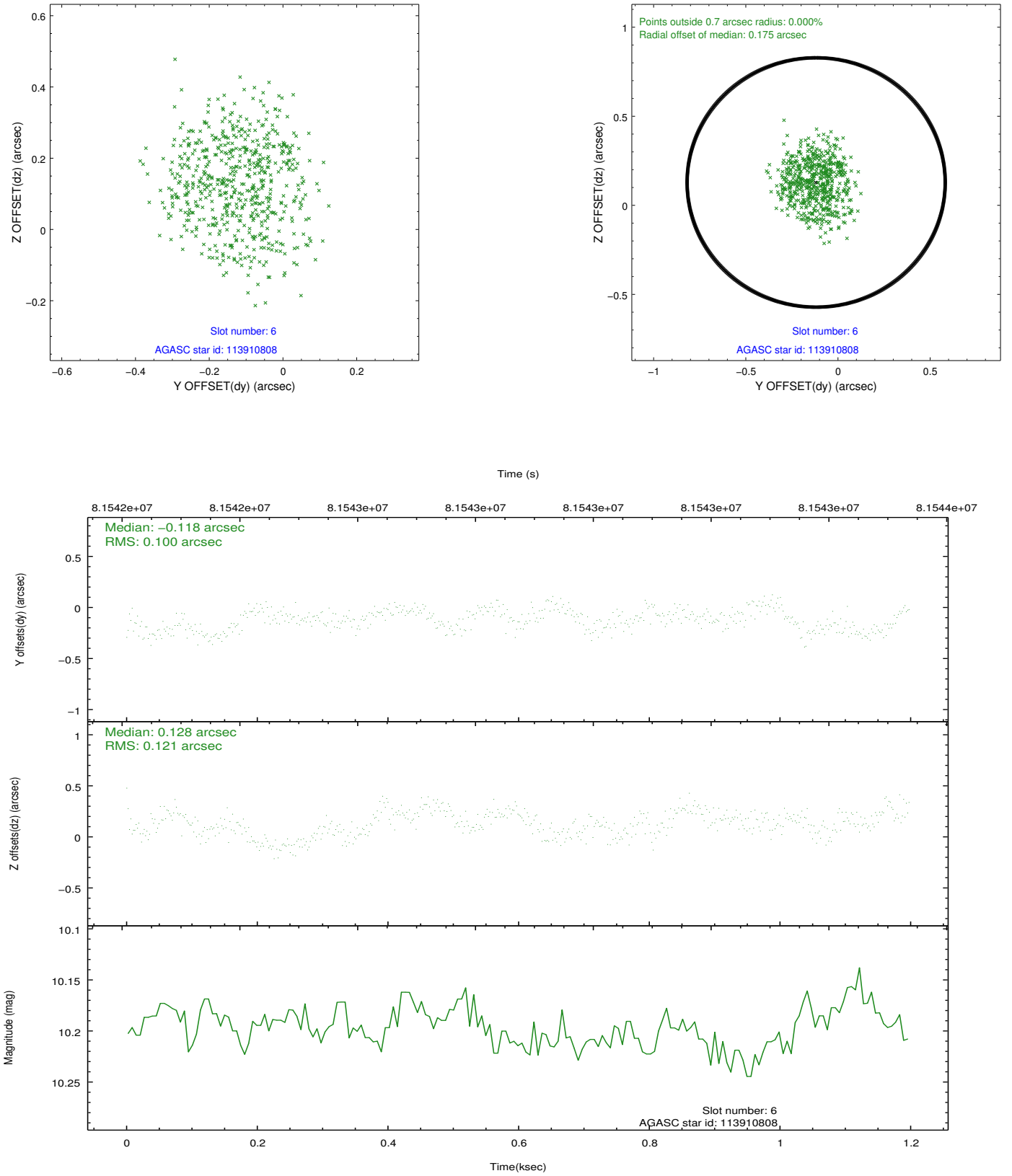
2.4.2 Slot 4



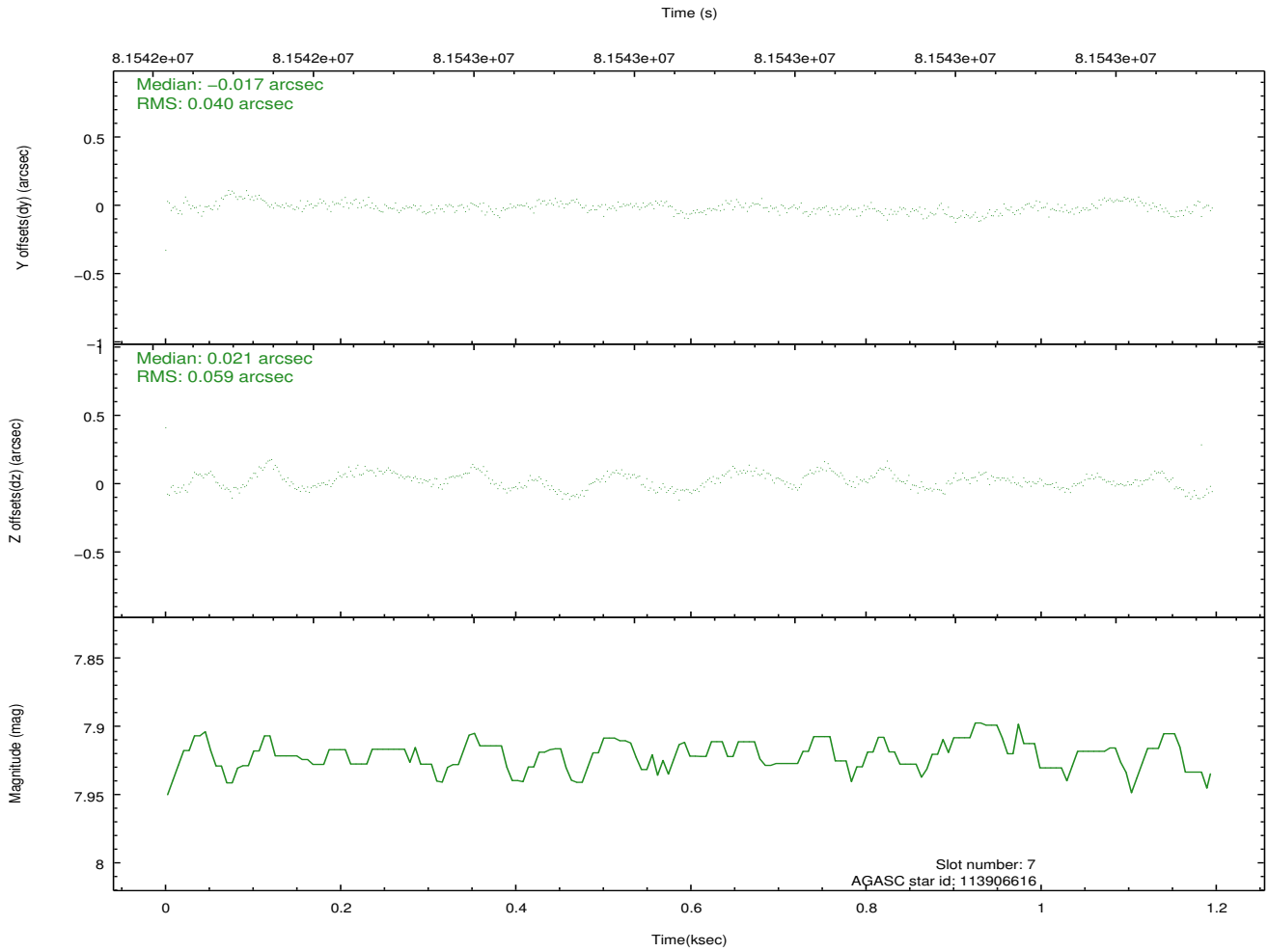
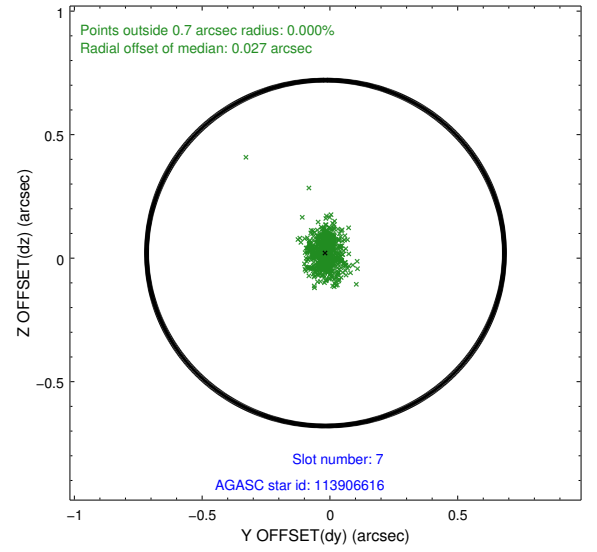
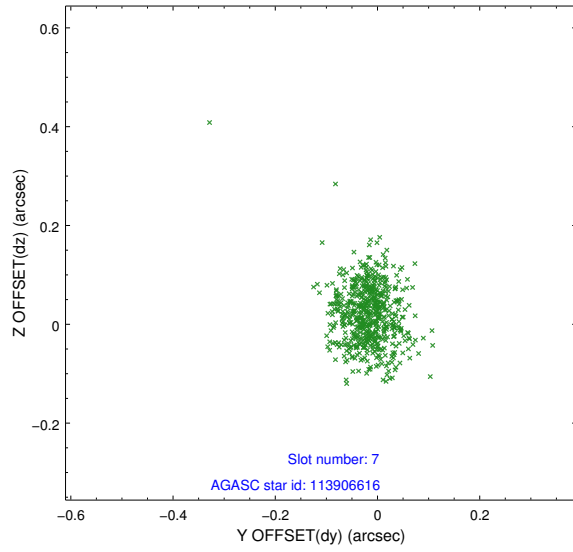
2.4.3 Slot 5



2.4.4 Slot 6

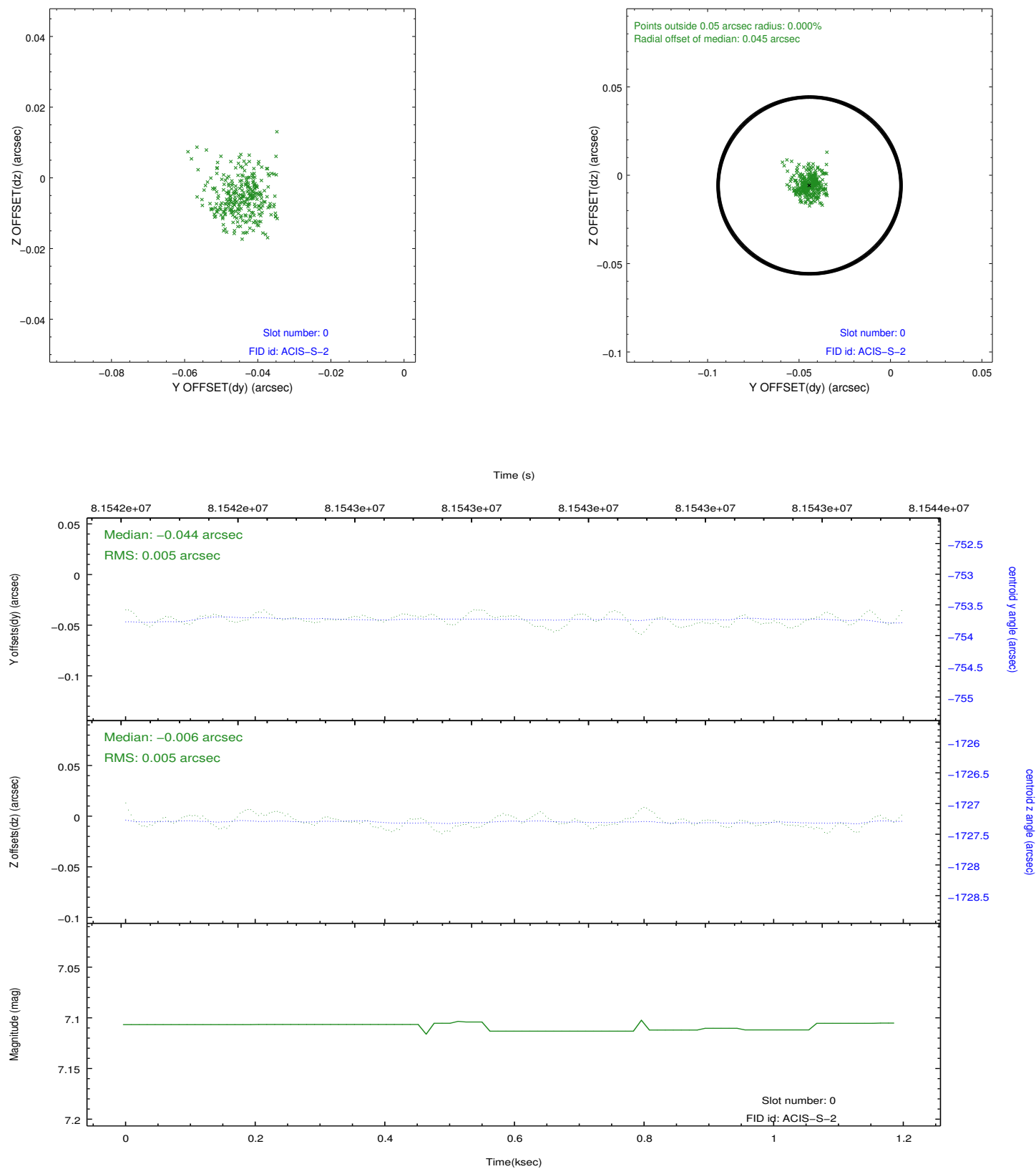


2.4.5 Slot 7

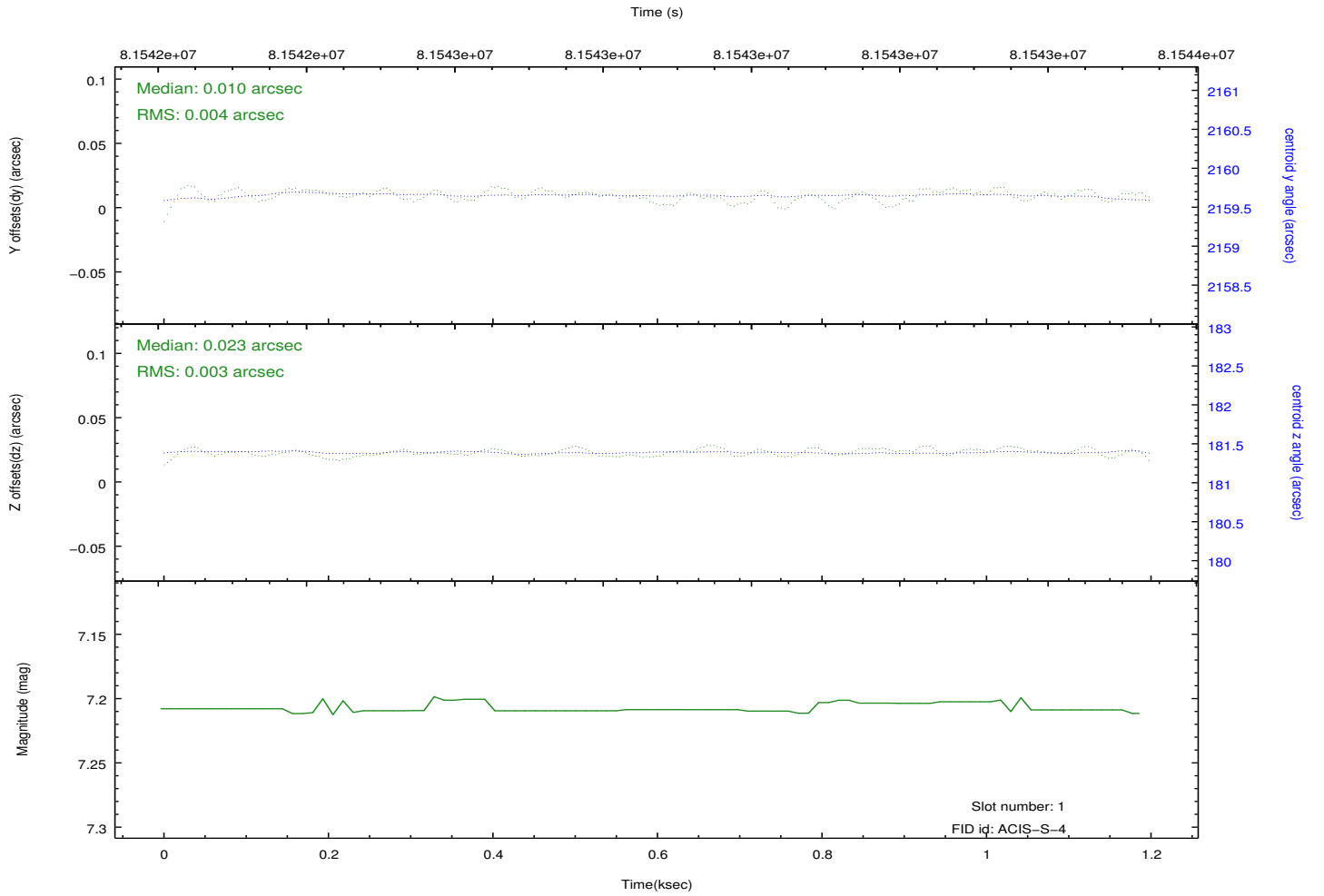
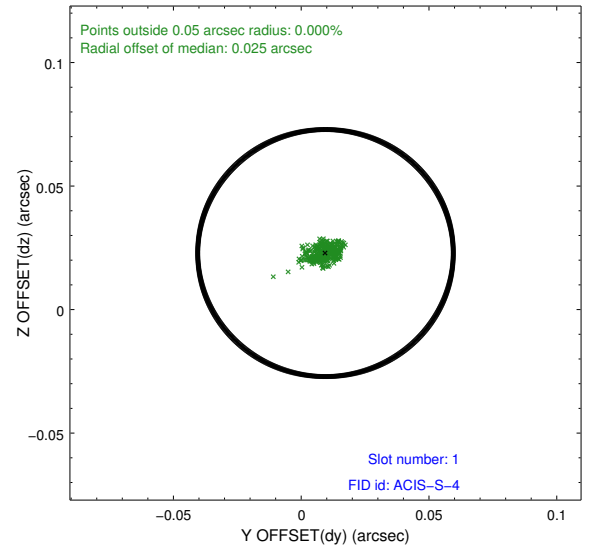
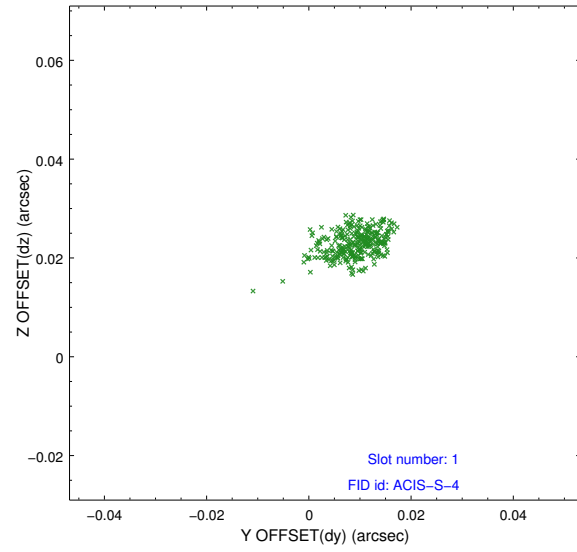


2.5 FID Slots

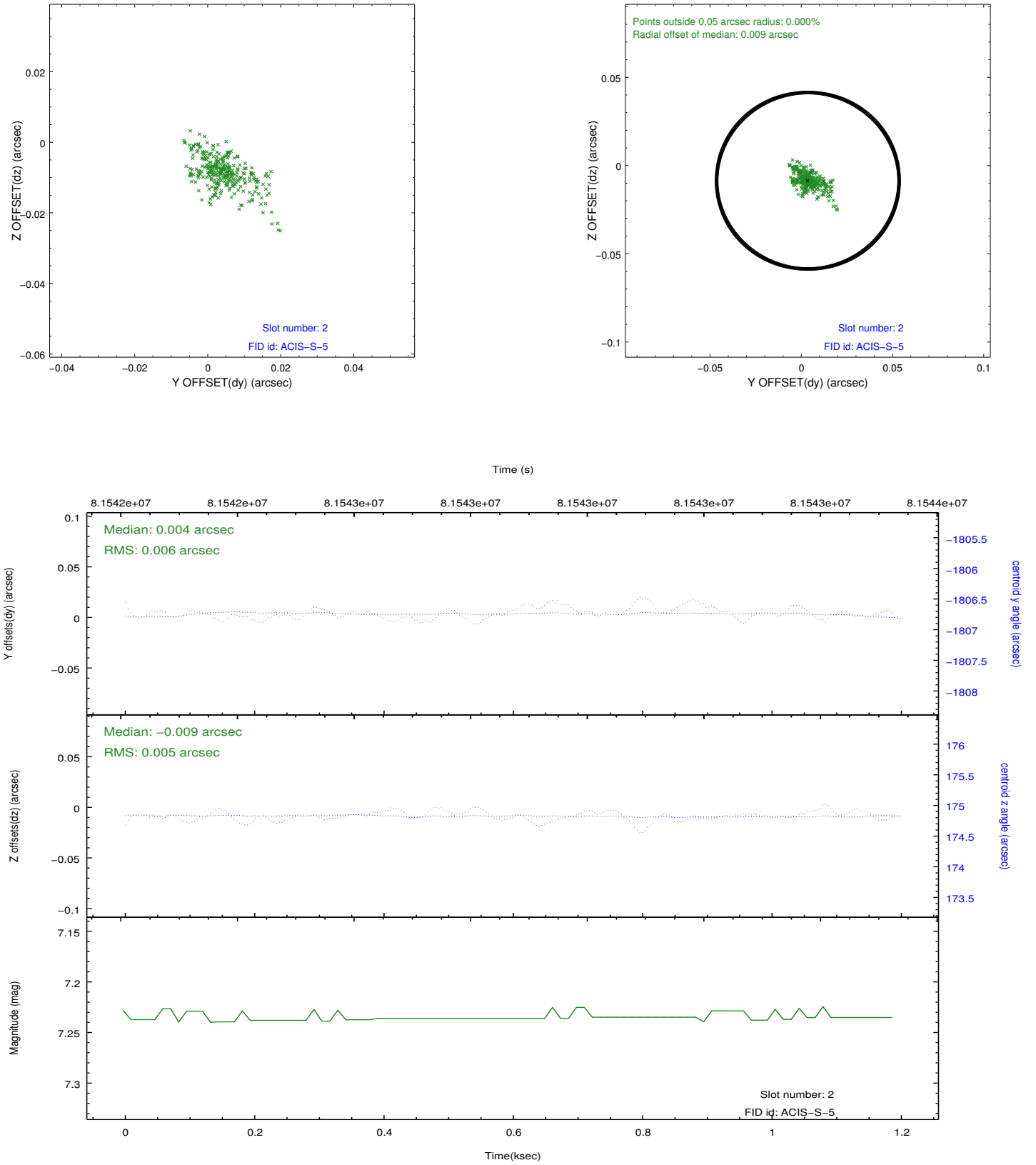
2.5.1 Slot 0



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	1.196

A.2 Comments