

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1753 - L2 Version 4
Chandra X-Ray Center

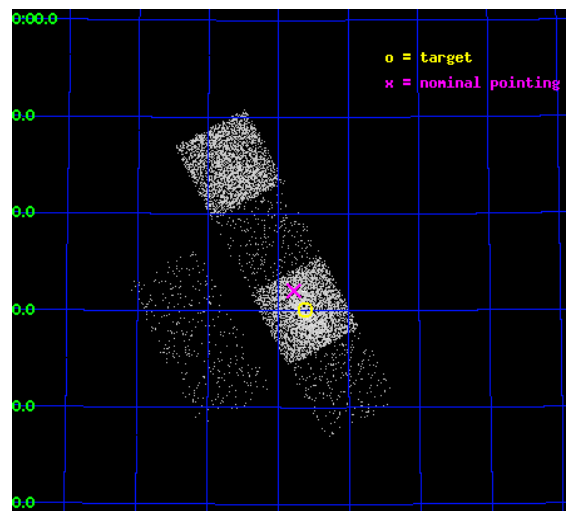
L2 Processing Date : Aug 30 2012

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1 Front

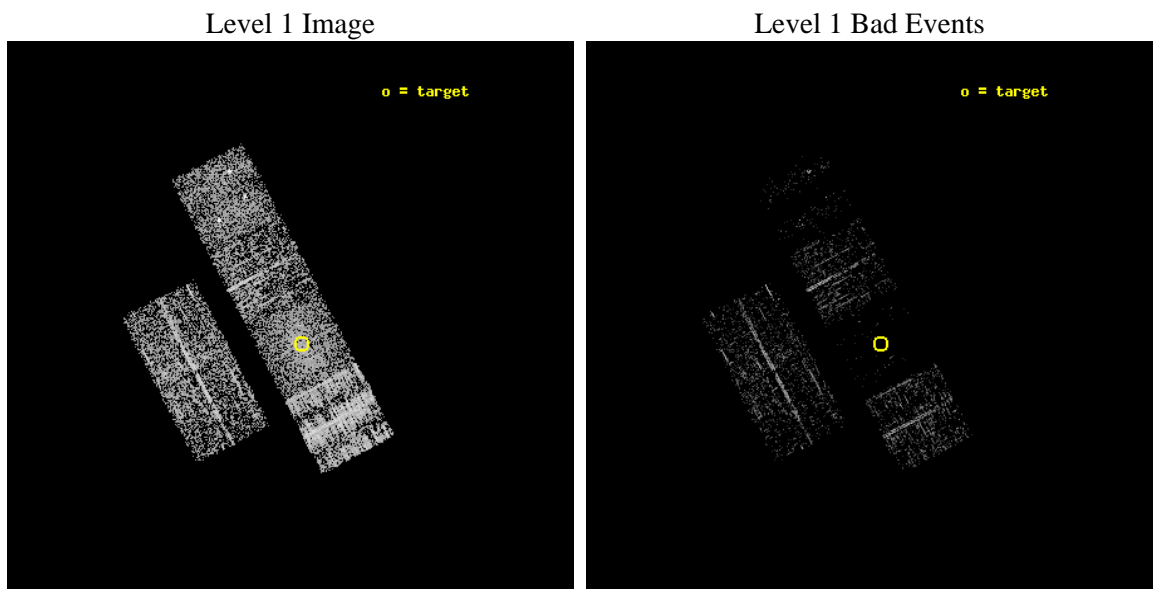
seq_num	100002	Sequence number
obs_id	1753	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.15592	Observer's specified target RA [deg]
dec_targ	60.50241	Observer's specified target Dec [deg]
ra_nom	66.194743212697	Nominal RA [deg]
dec_nom	60.53448563085	Nominal Dec [deg]
roll_nom	62.34728852625	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	8812	Number of level 2 events



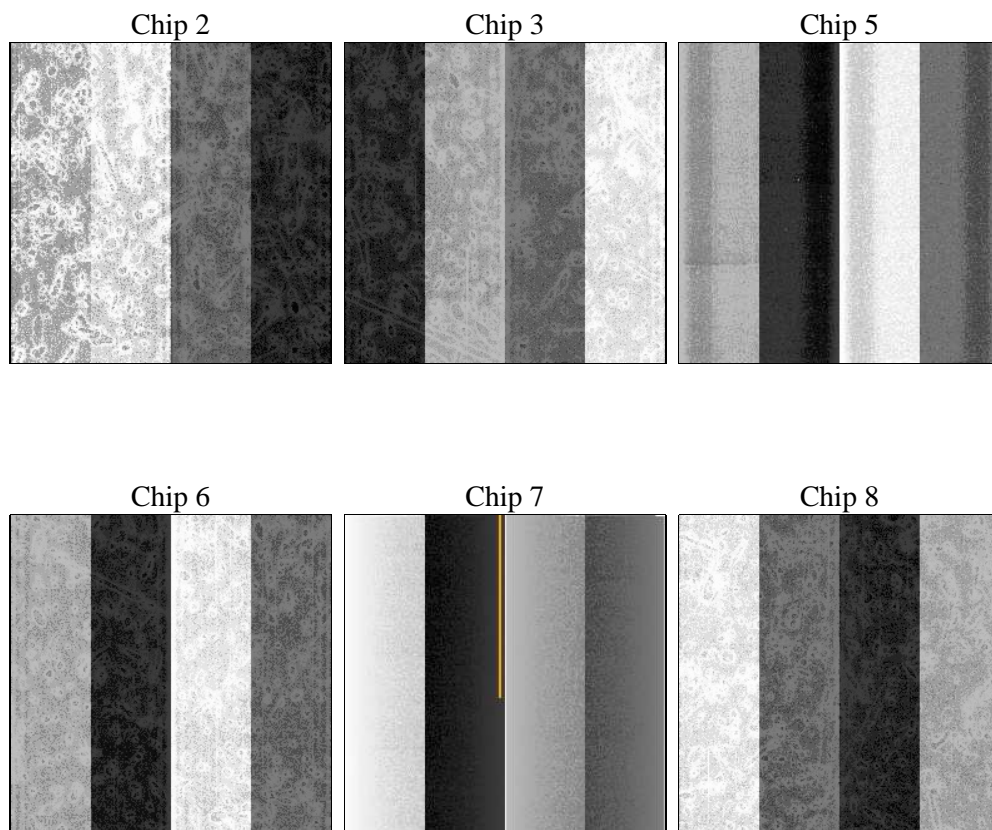
2 OBI

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	1196.8000010997	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1196.8000010997	Sum of GTIs [s]
date	2012-08-30T04:09:09	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	43281	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6557	5393	5810	5839	5899	13783
rejected events	6065	5188	1768	5375	1286	7161
rejected %	92%	96%	30%	92%	21%	51%

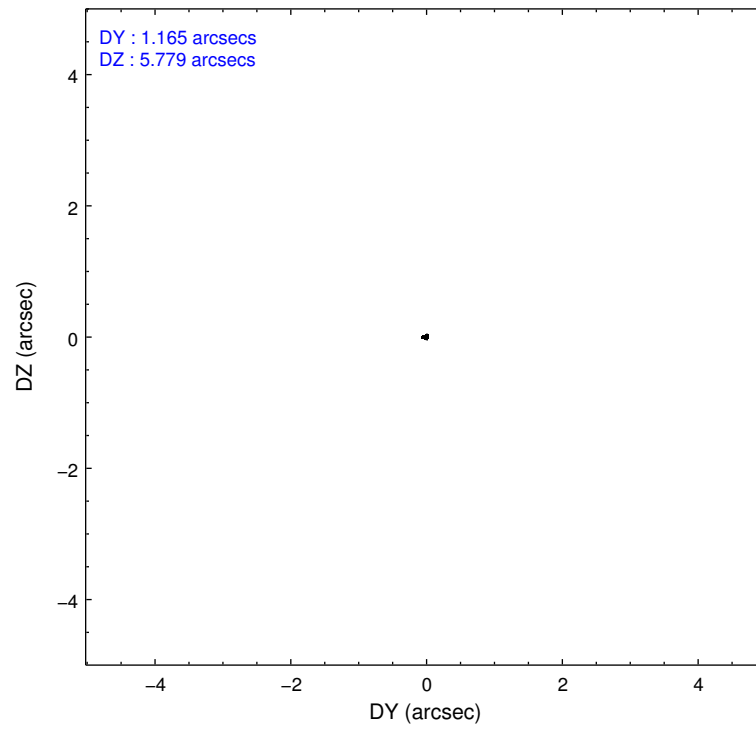
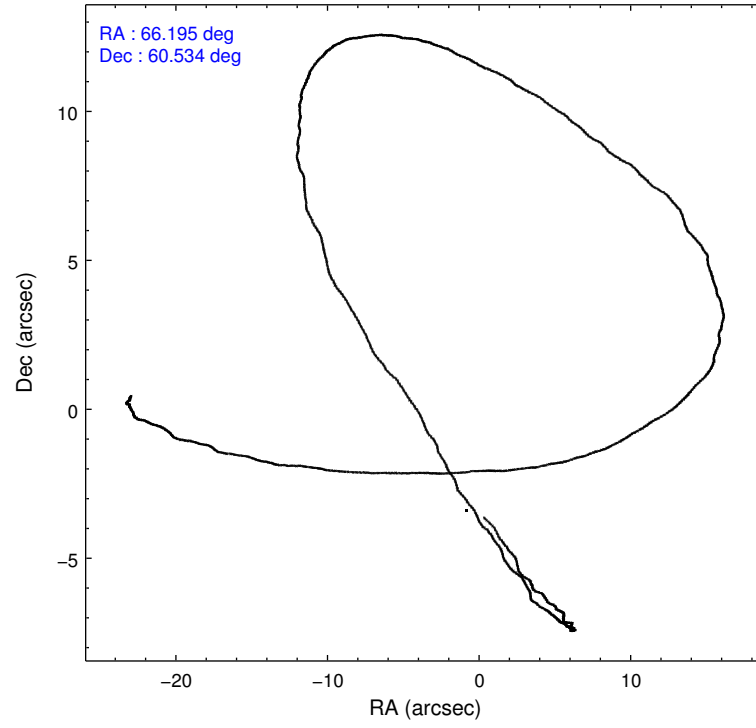
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	358	159	1996	384	1992	3337
	5%	2%	34%	6%	33%	24%
grade 1 events	3	2	16	2	6	22
	0%	0%	0%	0%	0%	0%
grade 2 events	117	34	1410	96	1401	668
	1%	0%	24%	1%	23%	4%
grade 3 events	47	23	483	42	646	1759
	0%	0%	8%	0%	10%	12%
grade 4 events	54	22	426	41	662	1594
	0%	0%	7%	0%	11%	11%
grade 5 events	7	6	136	4	78	72
	0%	0%	2%	0%	1%	0%
grade 6 events	30	18	538	13	886	997
	0%	0%	9%	0%	15%	7%
grade 7 events	5941	5129	805	5257	228	5334
	90%	95%	13%	90%	3%	38%

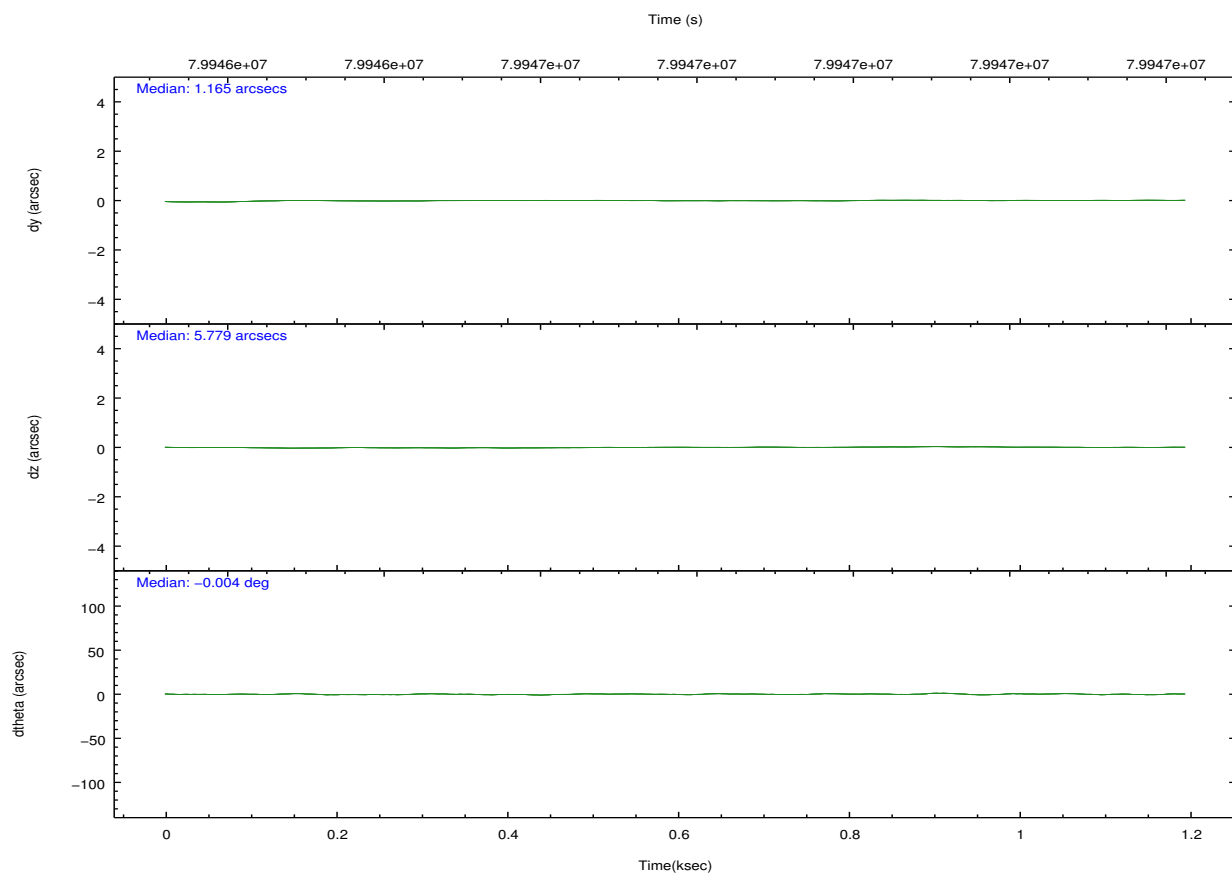
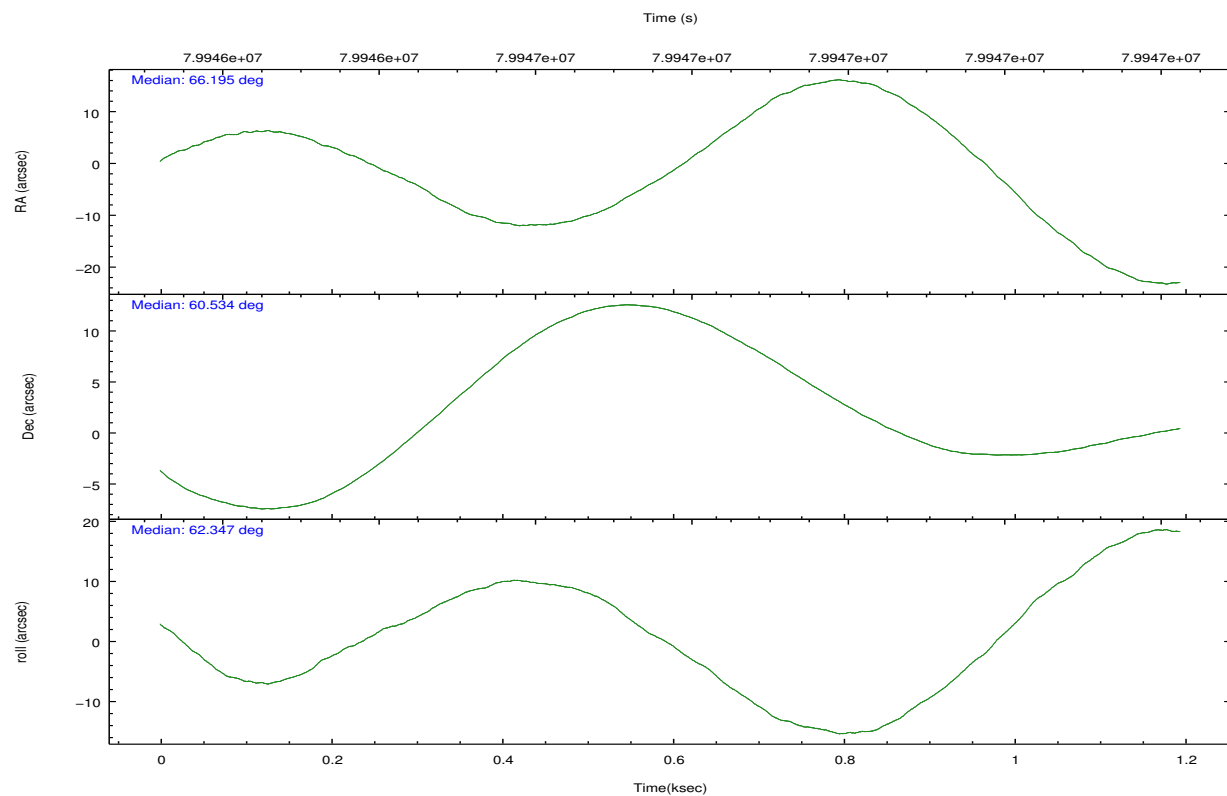
2.2 Compared Parameters

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	66.197334	66.19474321269729
[deg] Pointing Dec	60.507480	60.5344856308497
[deg] Pointing Roll	62.188398	62.3472885262501
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	79946369.184000	79945992.919607
Observation start date	2000-07-14T07:18:25	2000-07-14T07:13:12
[s] Observation end time (MET)	79947369.184000	79947502.744663
Observation end date	2000-07-14T07:35:05	2000-07-14T07:38:22
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

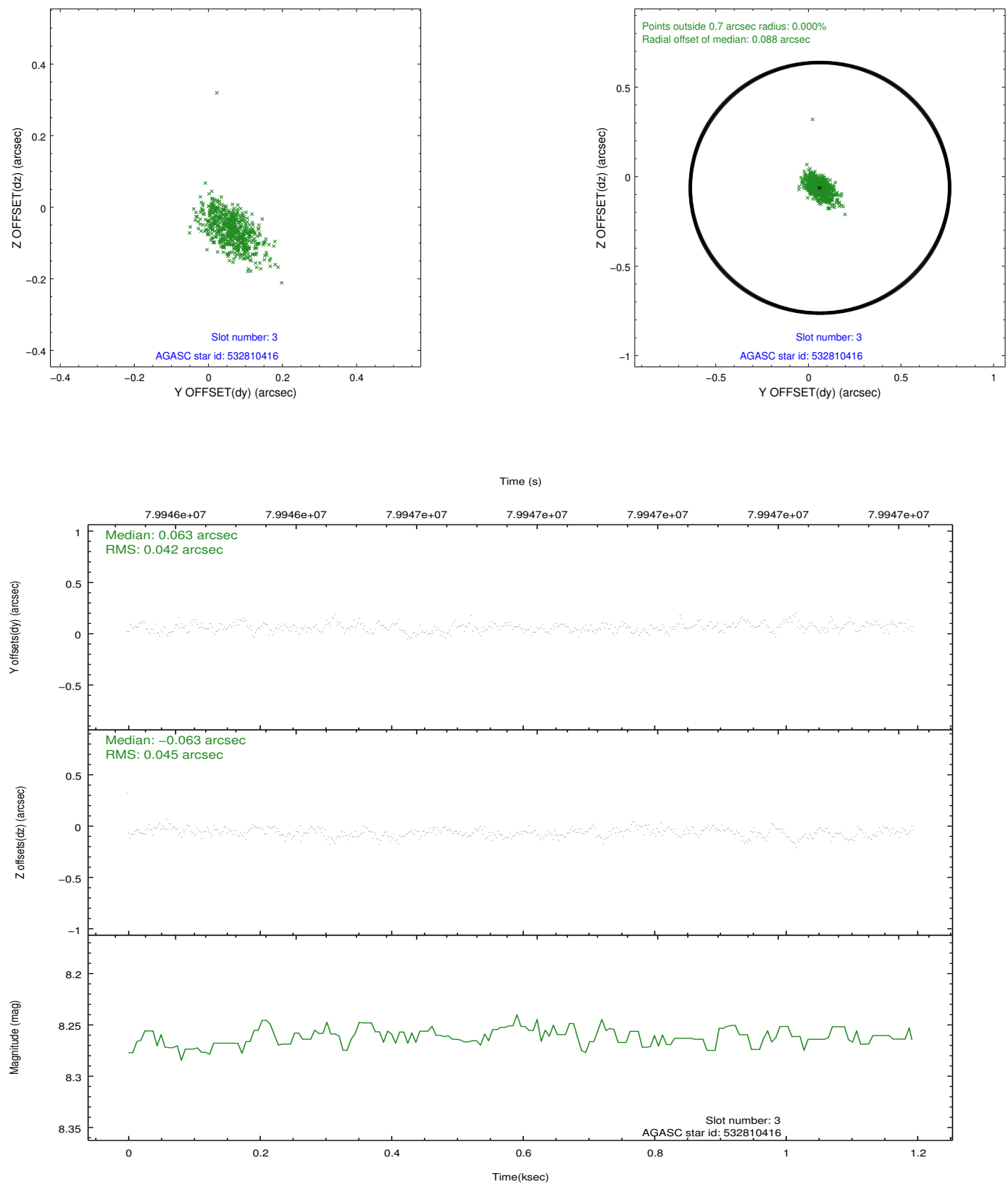




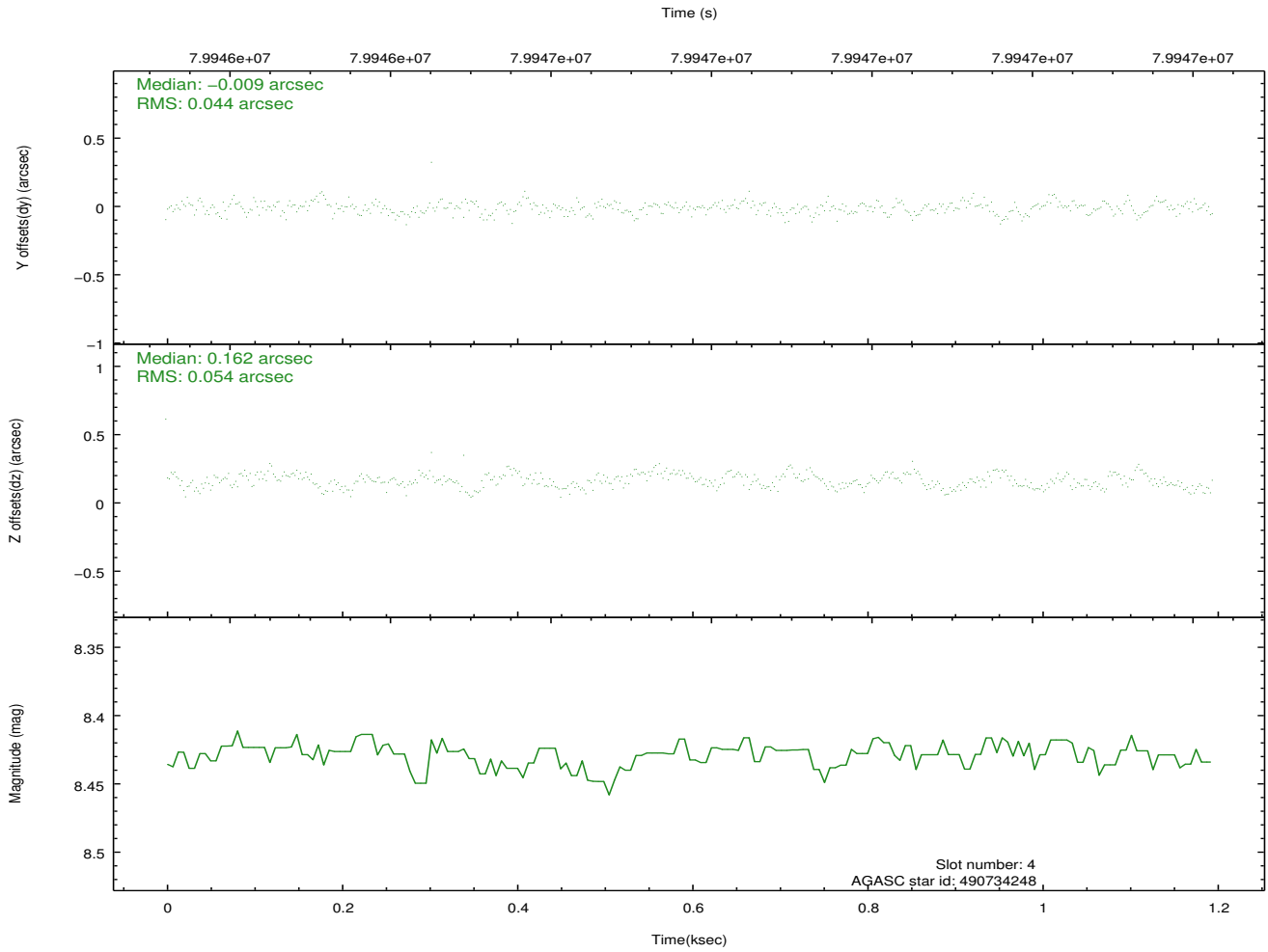
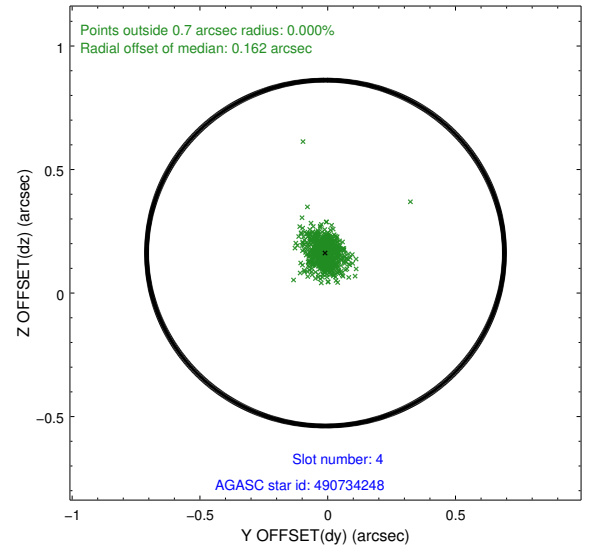
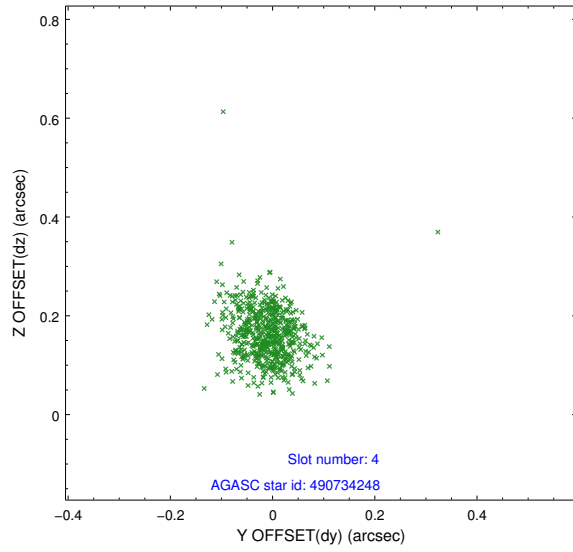
Slot Statistics

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	292	-0.039	0.014	0.007	0.010	0.000000	0.000000	-753.78	-1726.90
1	FID	ACIS-S-4	7.21	292	-0.016	0.015	0.007	0.014	0.000000	0.000000	2157.00	175.85
2	FID	ACIS-S-5	7.23	292	0.023	-0.020	0.007	0.012	0.000000	0.000000	-1799.38	175.80
3	GUIDE	532810416	8.26	584	0.063	-0.063	0.062	0.107	65.589506	60.260431	-1287.97	546.85
4	GUIDE	490734248	8.43	584	-0.009	0.162	0.068	0.116	66.707404	59.622979	-2381.63	-2304.86
5	GUIDE	532808864	8.83	584	0.137	-0.101	0.074	0.122	65.742578	60.215294	-1310.63	225.24
6	GUIDE	532808776	9.05	584	-0.108	0.048	0.085	0.136	66.101653	61.223764	2201.78	1349.79
7	GUIDE	532813176	9.33	583	-0.089	-0.049	0.078	0.140	66.050304	61.096768	1761.58	1218.00

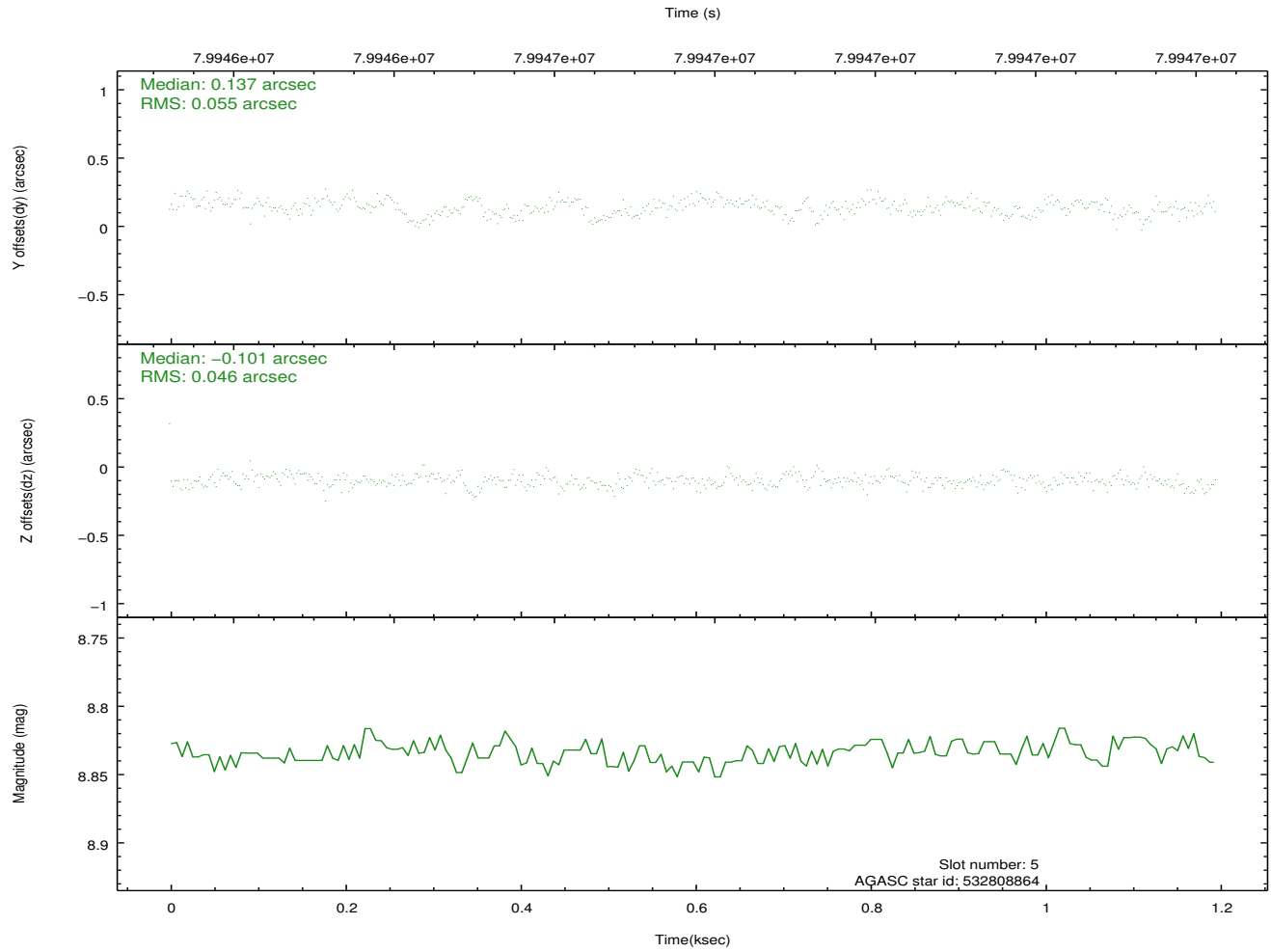
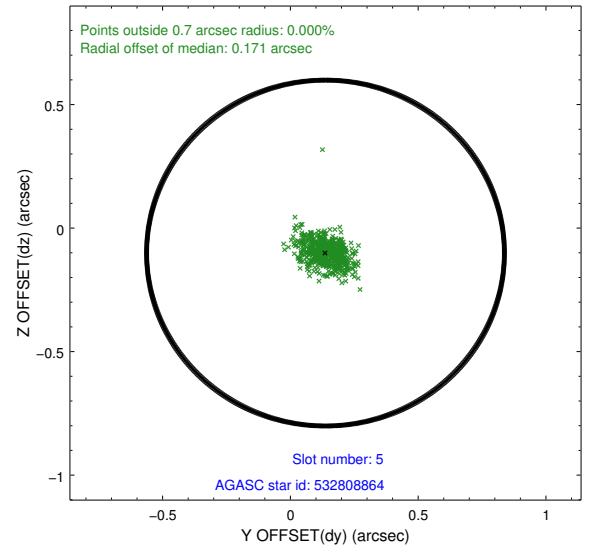
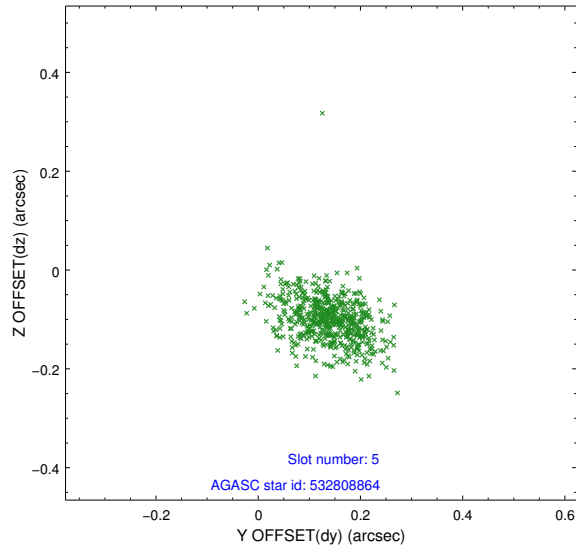
2.4.1 Slot 3



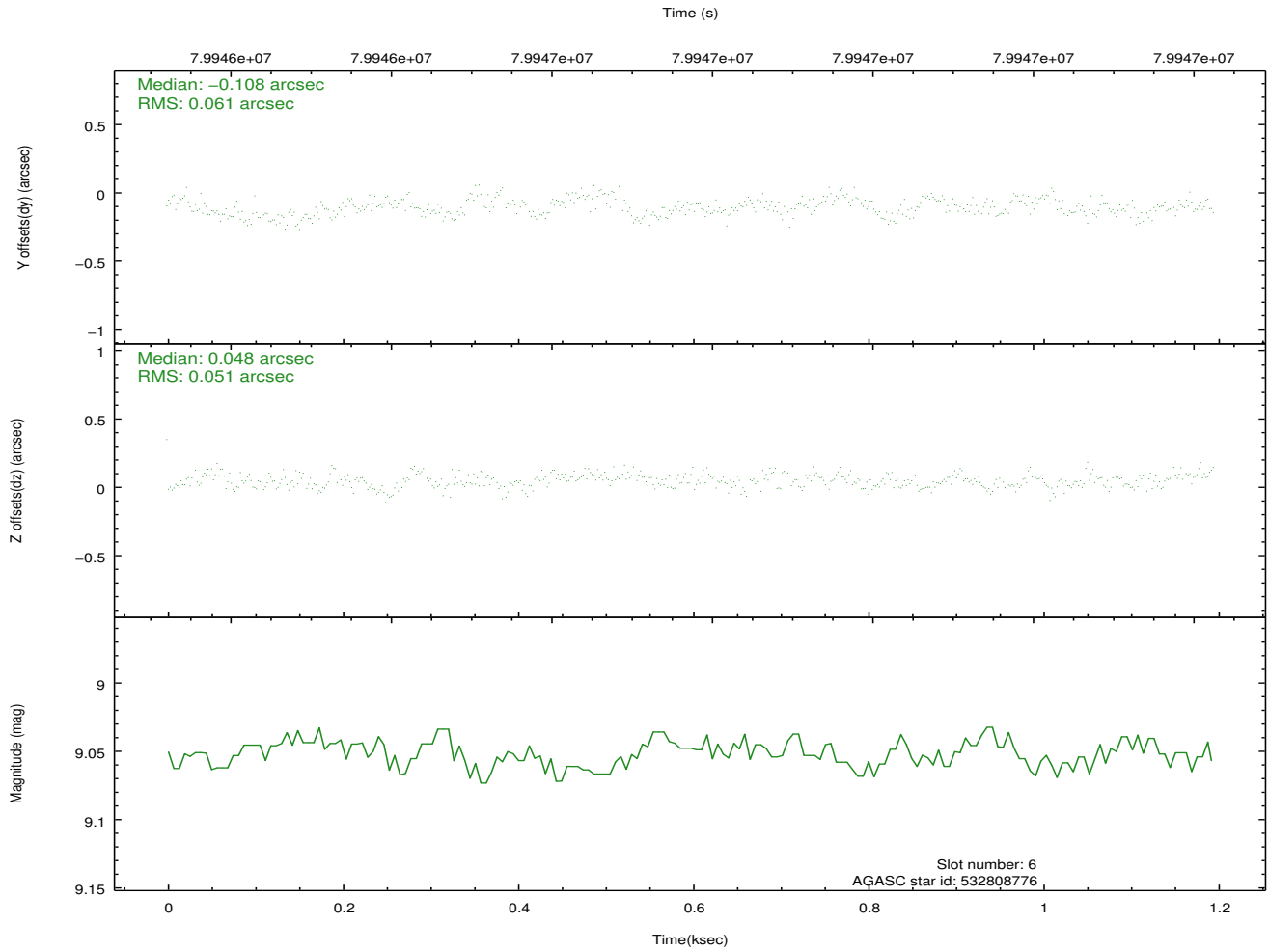
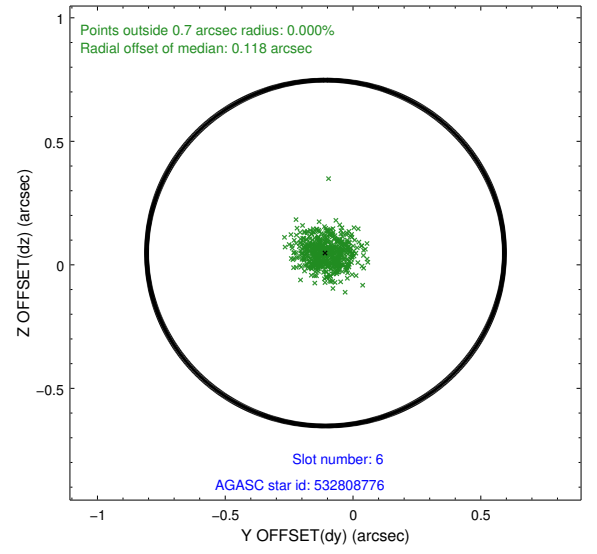
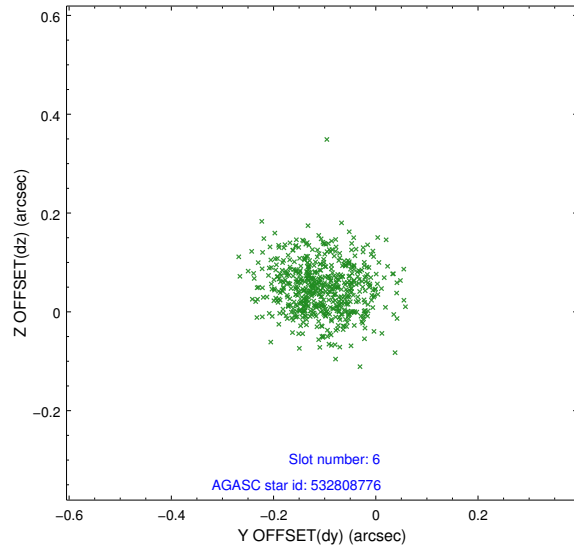
2.4.2 Slot 4



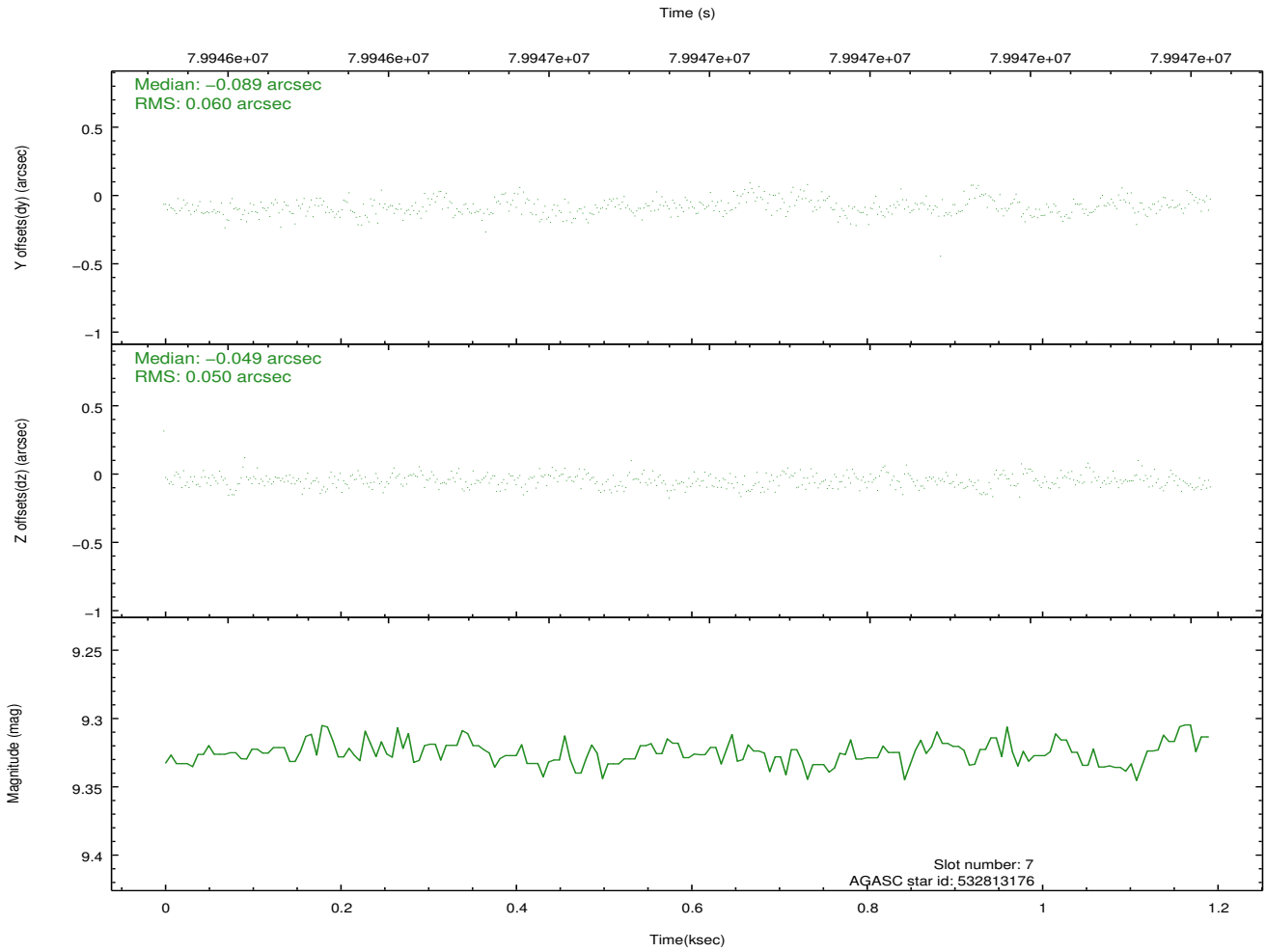
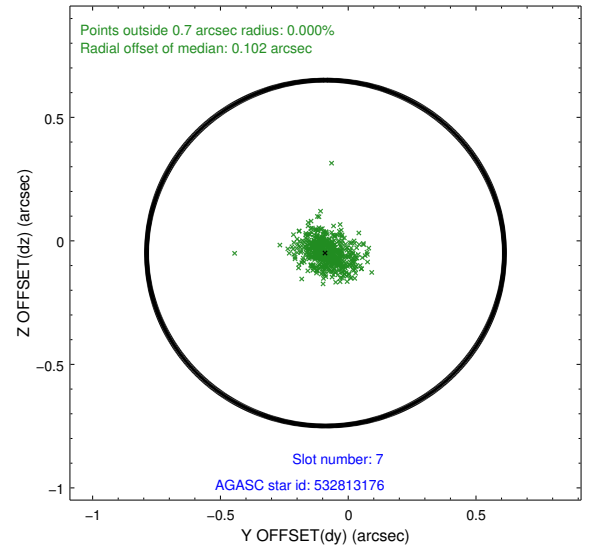
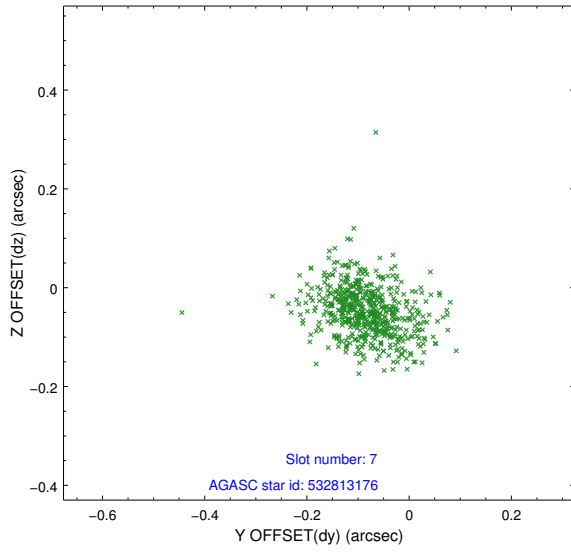
2.4.3 Slot 5



2.4.4 Slot 6

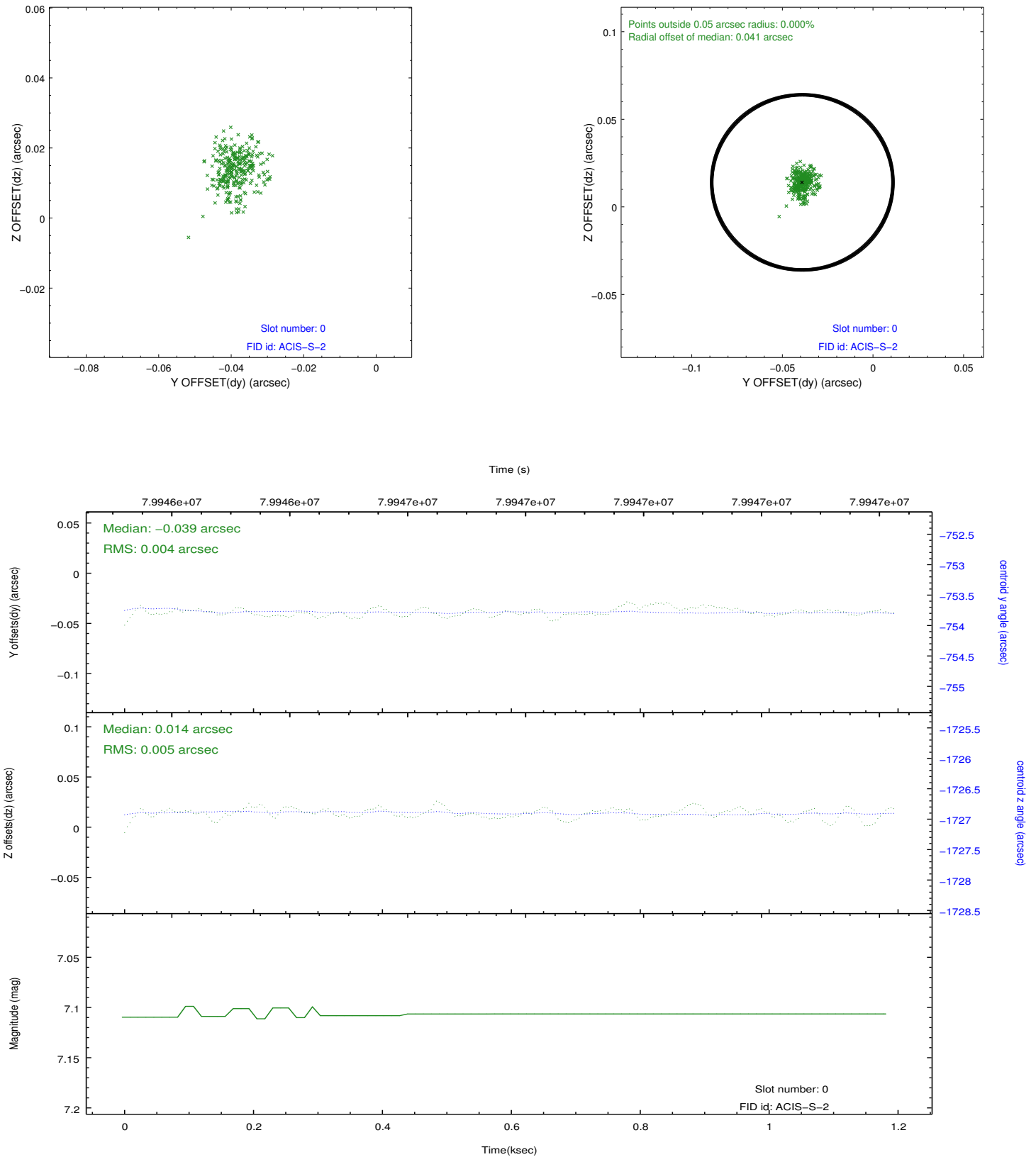


2.4.5 Slot 7

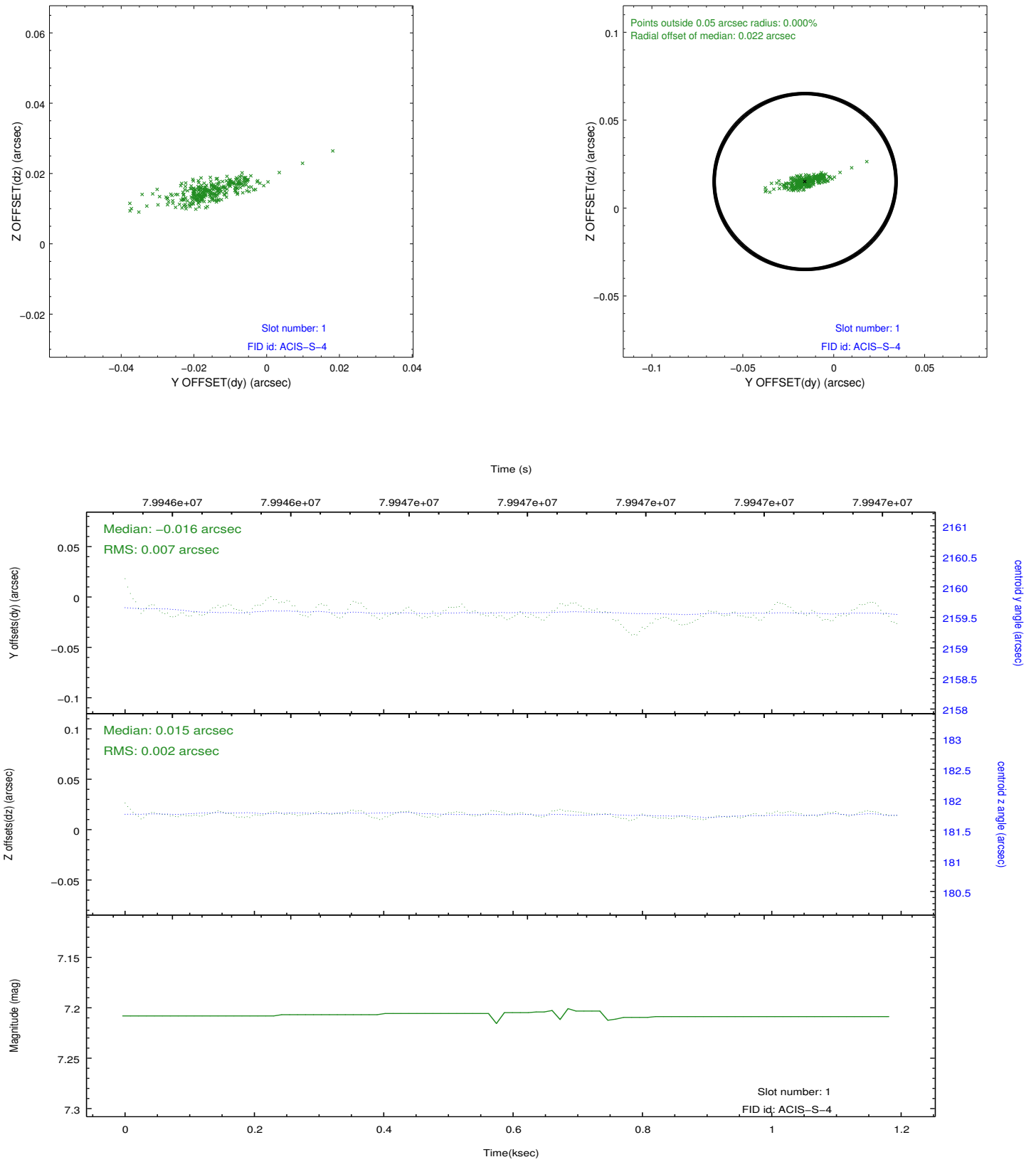


2.5 FID Slots

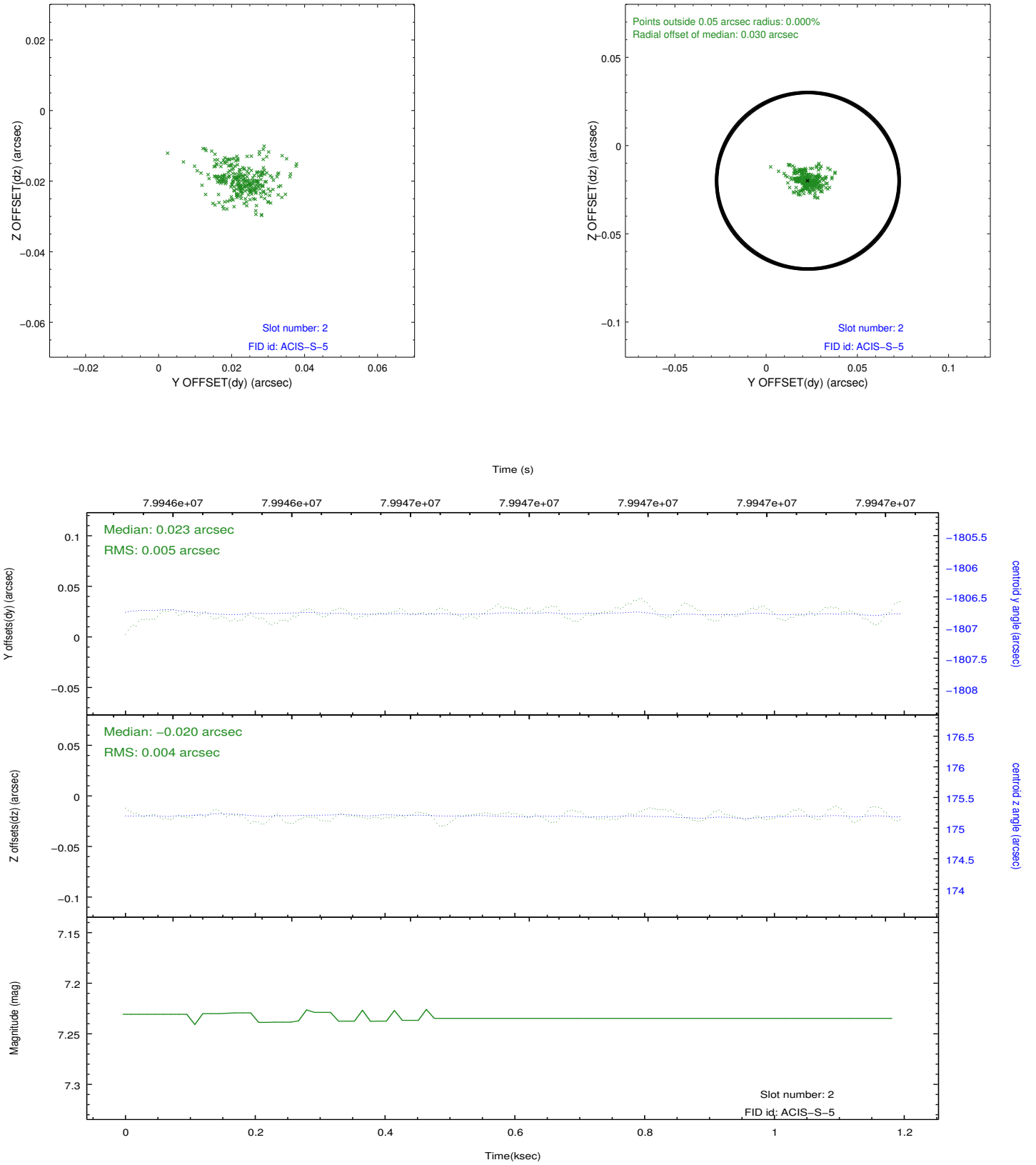
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.196

A.2 Comments