

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 584 - L2 Version 4
Chandra X-Ray Center

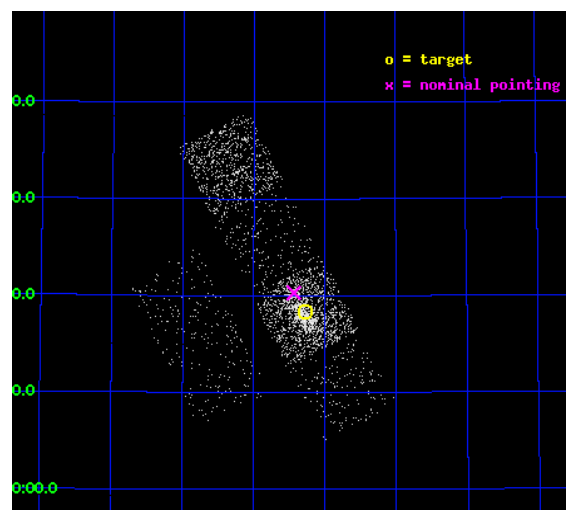
L2 Processing Date : Aug 30 2012

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1 Front

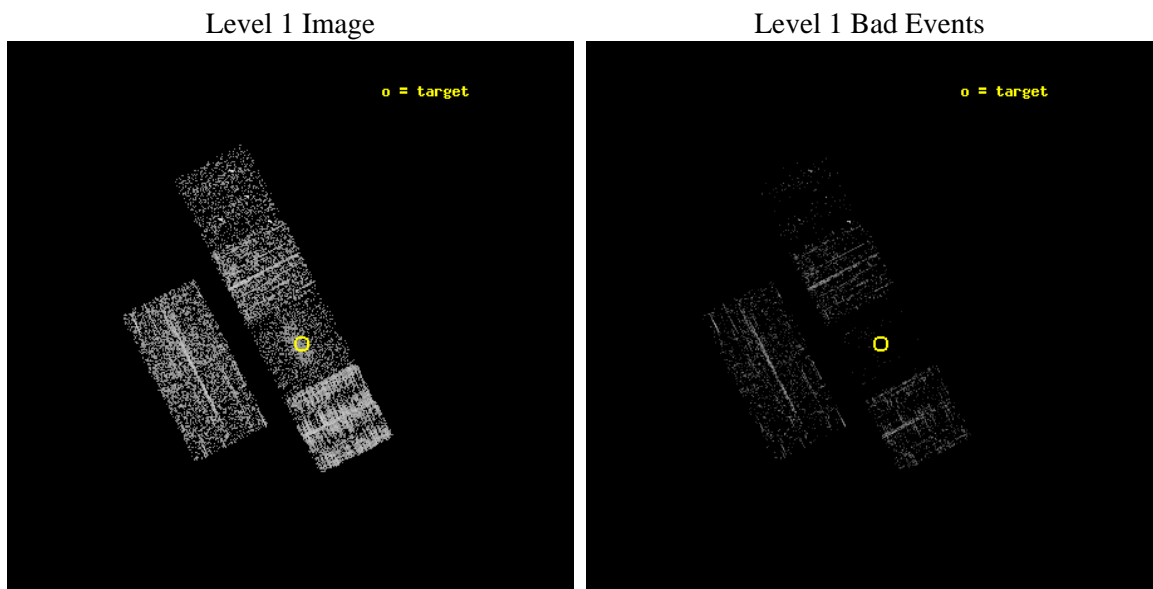
seq_num	100002	Sequence number
obs_id	584	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.57078	Observer's specified target RA [deg]
dec_targ	60.30574	Observer's specified target Dec [deg]
ra_nom	65.608526296149	Nominal RA [deg]
dec_nom	60.338298828423	Nominal Dec [deg]
roll_nom	62.9976126872	Nominal Roll [deg]
revision	4	Processing version of data
ontime	959.54434998333	Sum of GTIs [s]
livetime	947.3940216556	Livetime [s]
ontime2	959.58538998663	Sum of GTIs [s]
ontime3	959.42122998834	Sum of GTIs [s]
ontime5	959.50330998003	Sum of GTIs [s]
ontime6	959.46226999164	Sum of GTIs [s]
ontime7	959.54434998333	Sum of GTIs [s]
ontime8	959.38018998504	Sum of GTIs [s]
l2events	2839	Number of level 2 events



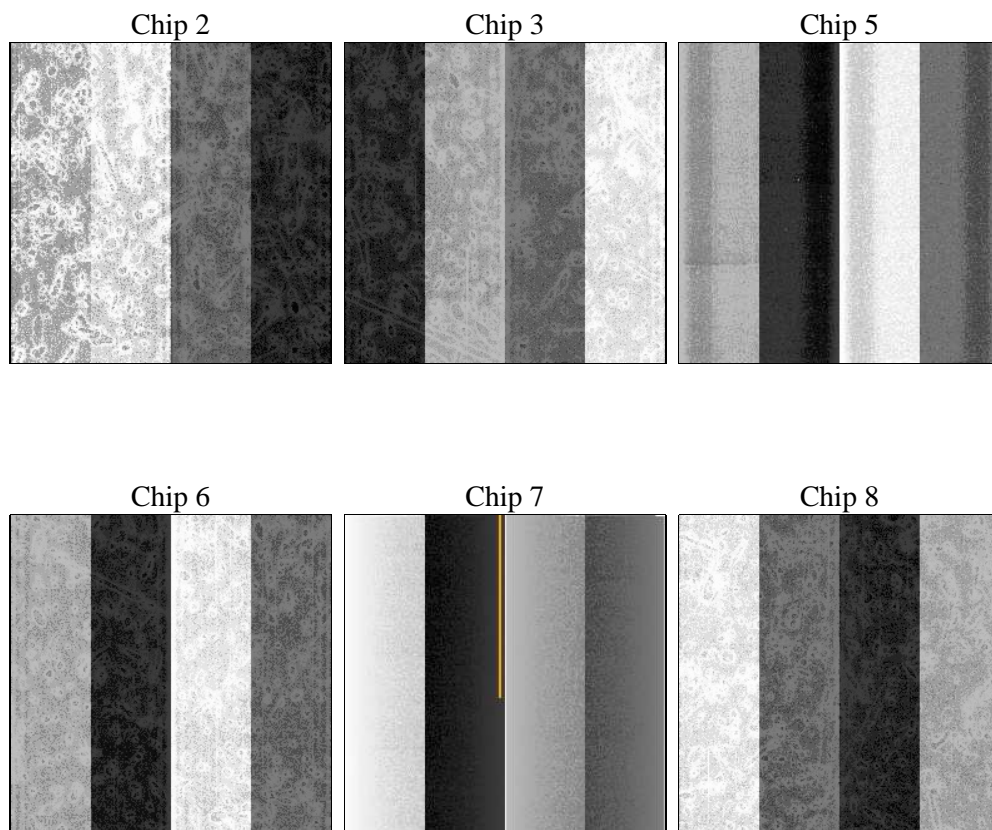
2 OBI

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	959.54434998333	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	959.58538998663	Sum of GTIs [s]
date	2012-08-30T04:05:59	Date and time of file creation	ontime3	959.42122998834	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	959.50330998003	Sum of GTIs [s]
			ontime6	959.46226999164	Sum of GTIs [s]
			ontime7	959.54434998333	Sum of GTIs [s]
			ontime8	959.38018998504	Sum of GTIs [s]
			l1events	28797	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5149	4057	2190	5028	1993	10380
rejected events	4739	3897	844	4696	432	4827
rejected %	92%	96%	38%	93%	21%	46%

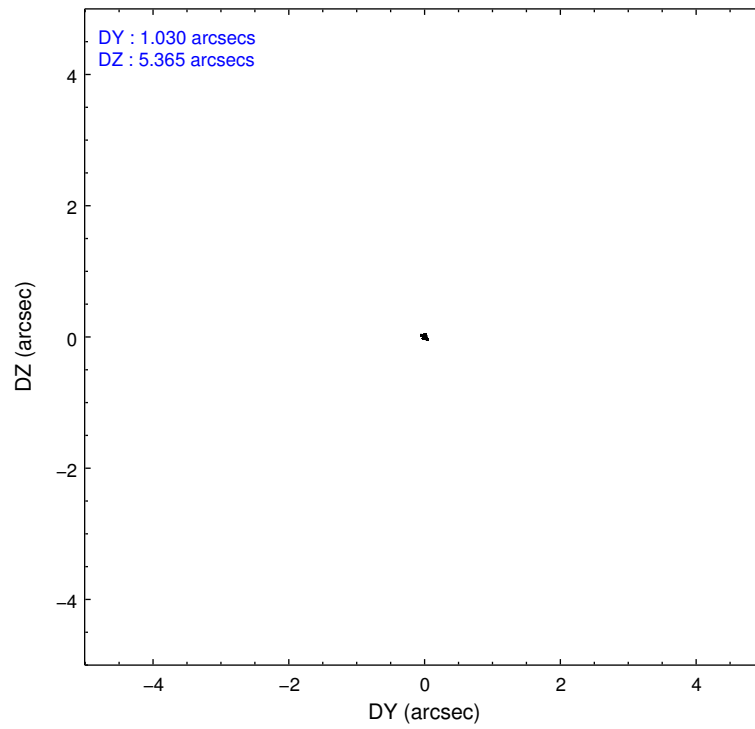
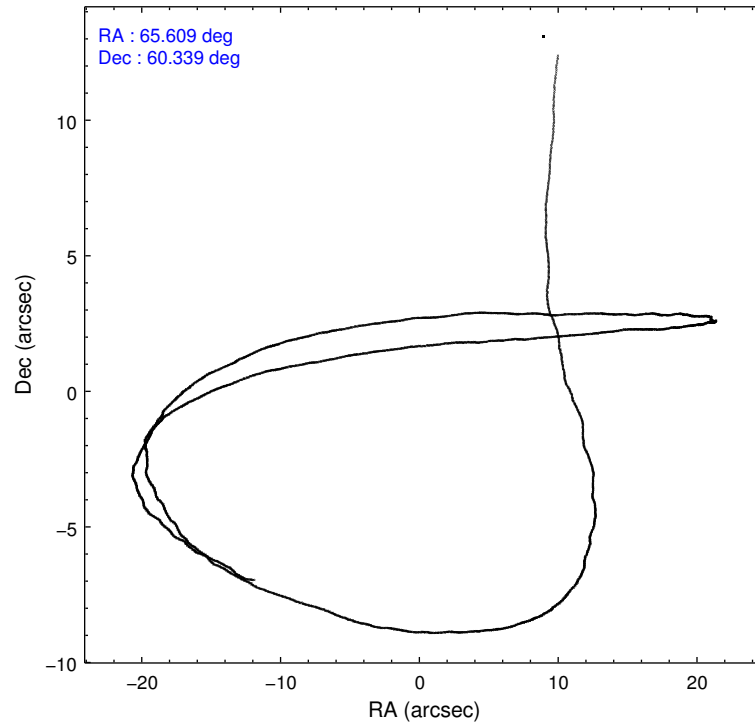
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	247	91	702	243	720	2211
	4%	2%	32%	4%	36%	21%
grade 1 events	5	1	70	4	3	21
	0%	0%	3%	0%	0%	0%
grade 2 events	90	20	459	77	466	561
	1%	0%	20%	1%	23%	5%
grade 3 events	31	31	140	28	192	1326
	0%	0%	6%	0%	9%	12%
grade 4 events	53	23	119	29	223	1164
	1%	0%	5%	0%	11%	11%
grade 5 events	4	4	116	2	42	77
	0%	0%	5%	0%	2%	0%
grade 6 events	21	15	90	8	173	905
	0%	0%	4%	0%	8%	8%
grade 7 events	4698	3872	494	4637	174	4115
	91%	95%	22%	92%	8%	39%

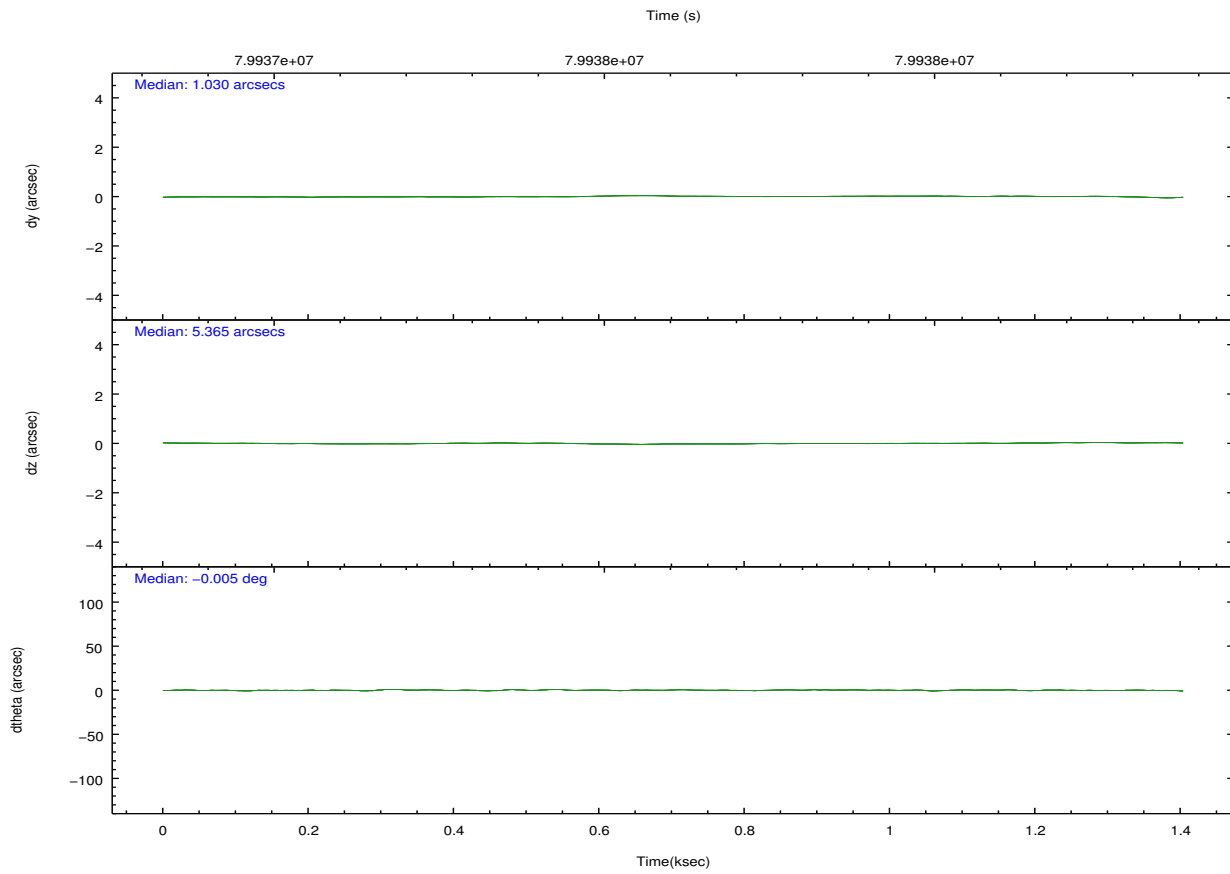
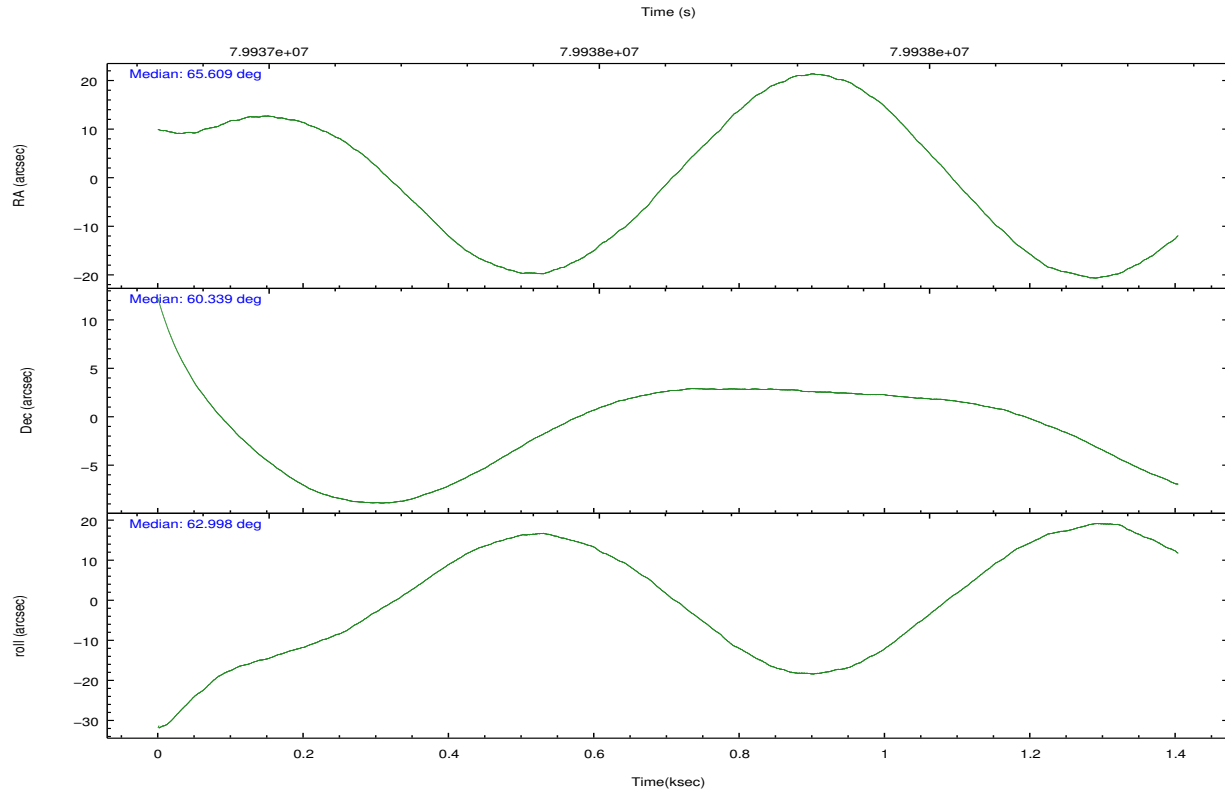
2.2 Compared Parameters

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	65.611838	65.60852629614877
[deg] Pointing Dec	60.311045	60.33829882842279
[deg] Pointing Roll	62.824579	62.9976126871998
[s] Window start time (MET)	79920064.184000	79920064.184000
[s] Window stop time (MET)	80092864.184000	80092864.184000
[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)	79937309.184000	79936223.644246
Observation start date	2000-07-14T04:47:25	2000-07-14T04:30:23
[s] Observation end time (MET)	79938309.184000	79938442.769328
Observation end date	2000-07-14T05:04:05	2000-07-14T05:07:22
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



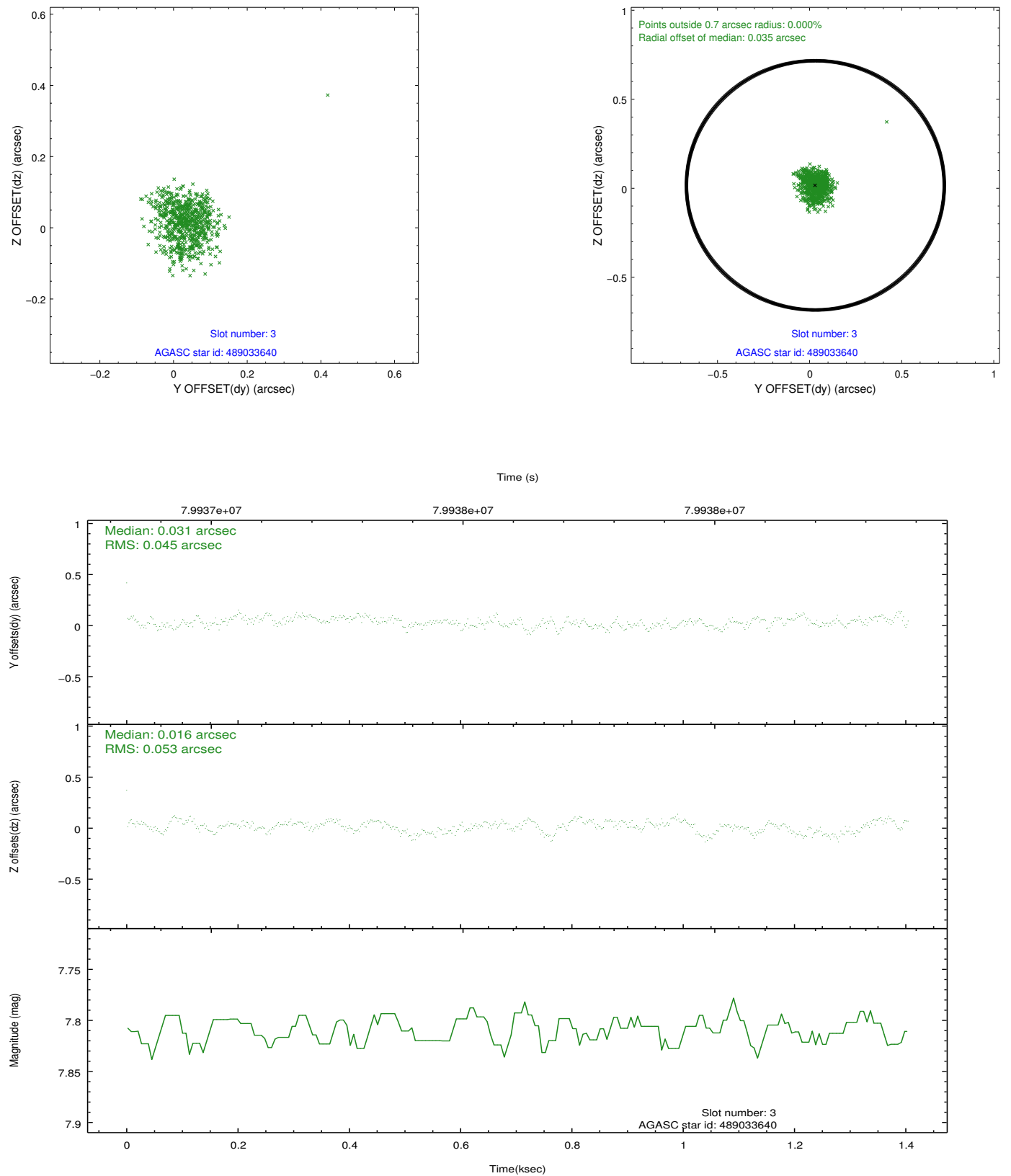


Slot Statistics

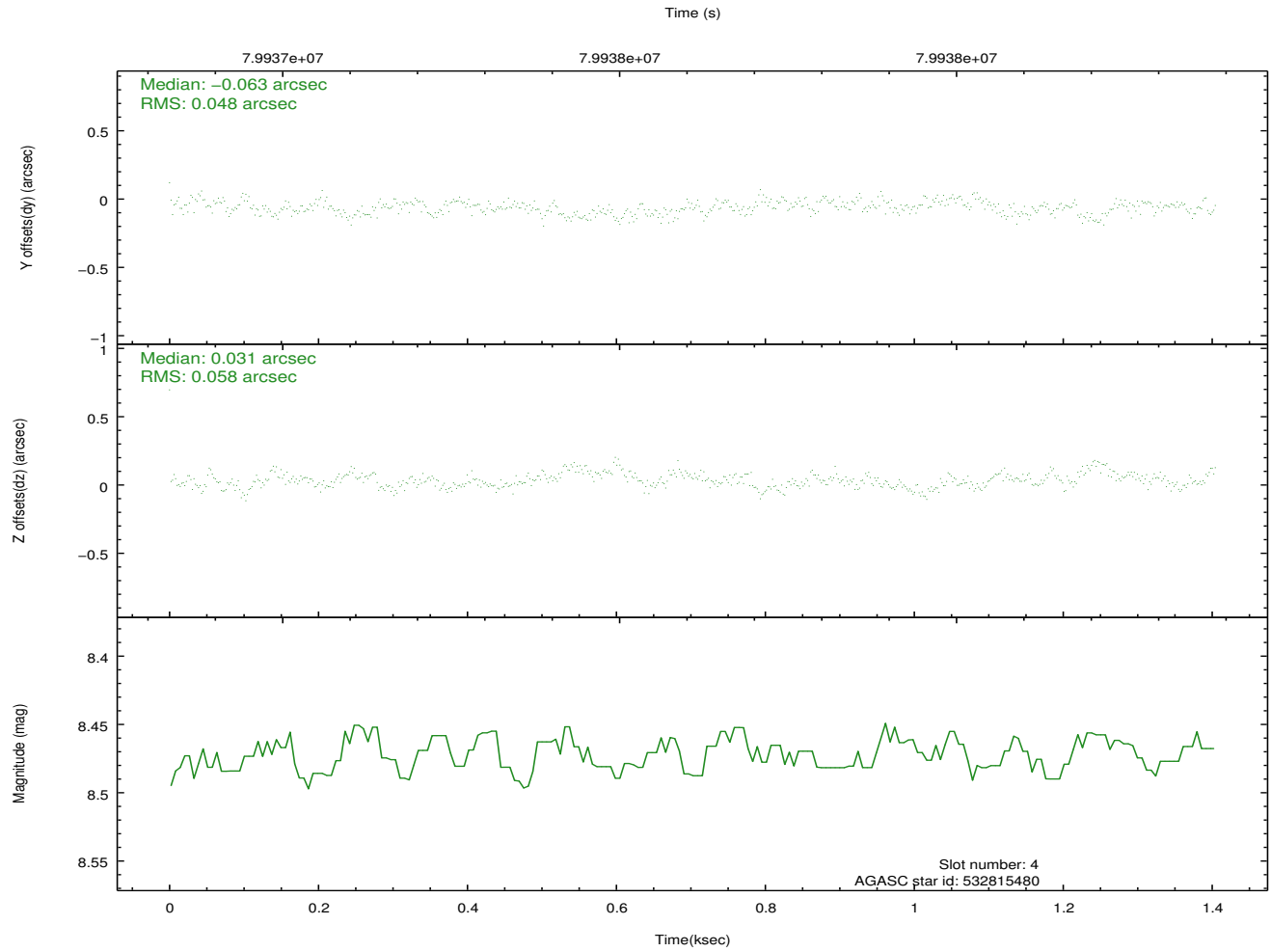
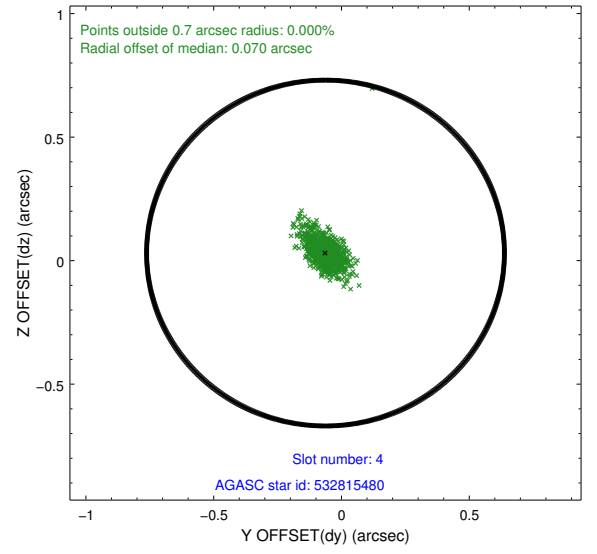
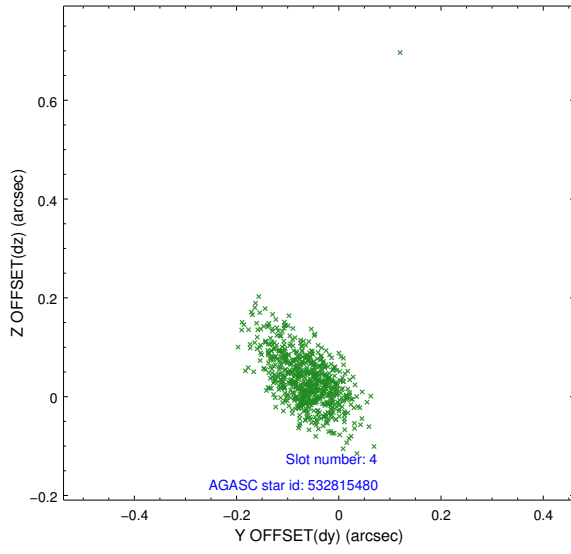
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	343	-0.046	-0.006	0.006	0.009	0.000000	0.000000	-753.65	-1726.50
1	FID	ACIS-S-4	7.20	343	0.020	0.024	0.005	0.010	0.000000	0.000000	2157.55	177.17
2	FID	ACIS-S-5	7.23	343	-0.005	-0.008	0.006	0.011	0.000000	0.000000	-1800.38	176.14
3	GUIDE	489033640	7.81	686	0.031	0.016	0.073	0.111	65.894533	59.732568	-1617.77	-1407.36
4	GUIDE	532815480	8.47	686	-0.063	0.031	0.072	0.131	65.380825	60.792672	1355.53	1150.16
5	GUIDE	489032952	8.66	686	0.068	0.113	0.071	0.115	65.322332	59.901155	-1548.51	-207.07
6	GUIDE	532820840	9.21	686	-0.050	-0.049	0.090	0.152	65.827585	60.819790	1800.53	498.33
7	GUIDE	532808640	9.50	685	0.022	-0.108	0.099	0.170	65.235766	60.163854	-774.70	358.08

2.4 Star Slots

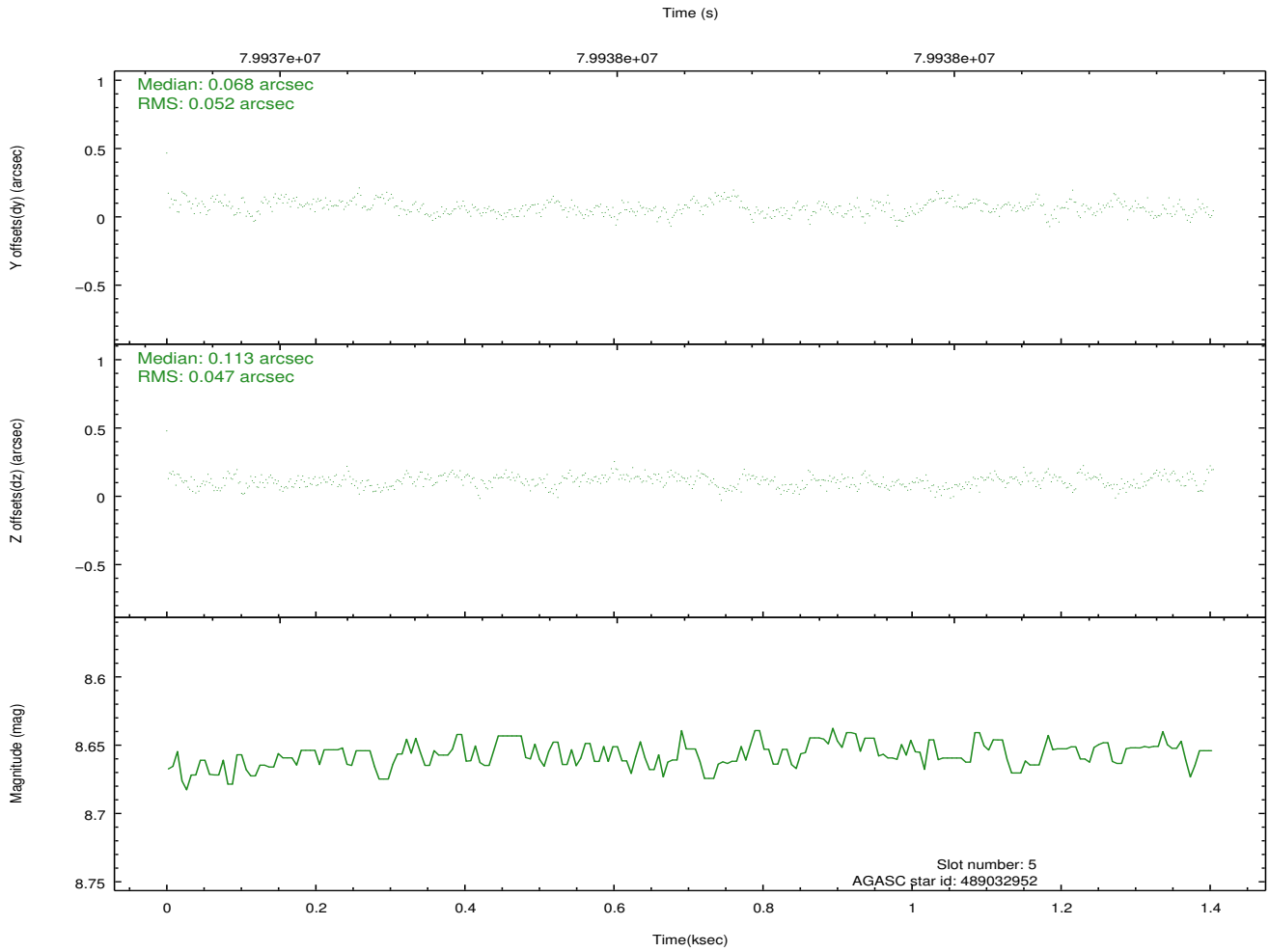
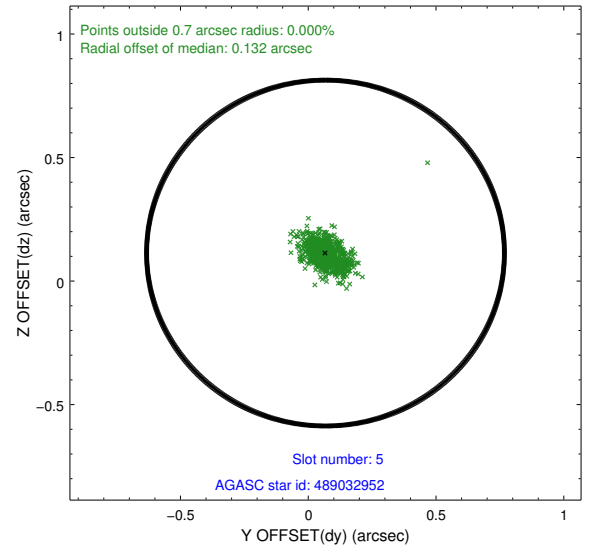
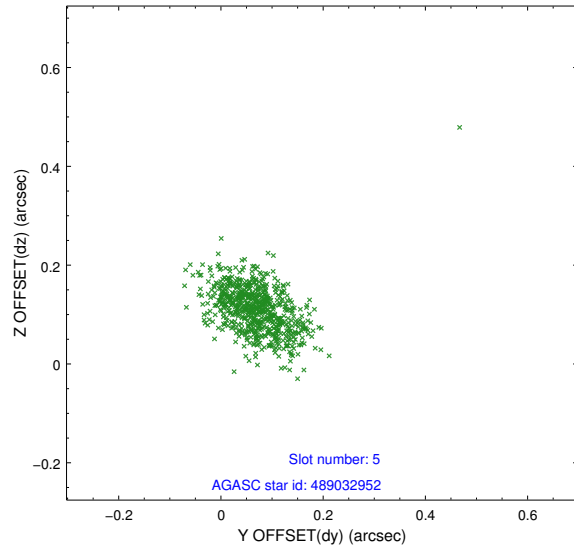
2.4.1 Slot 3



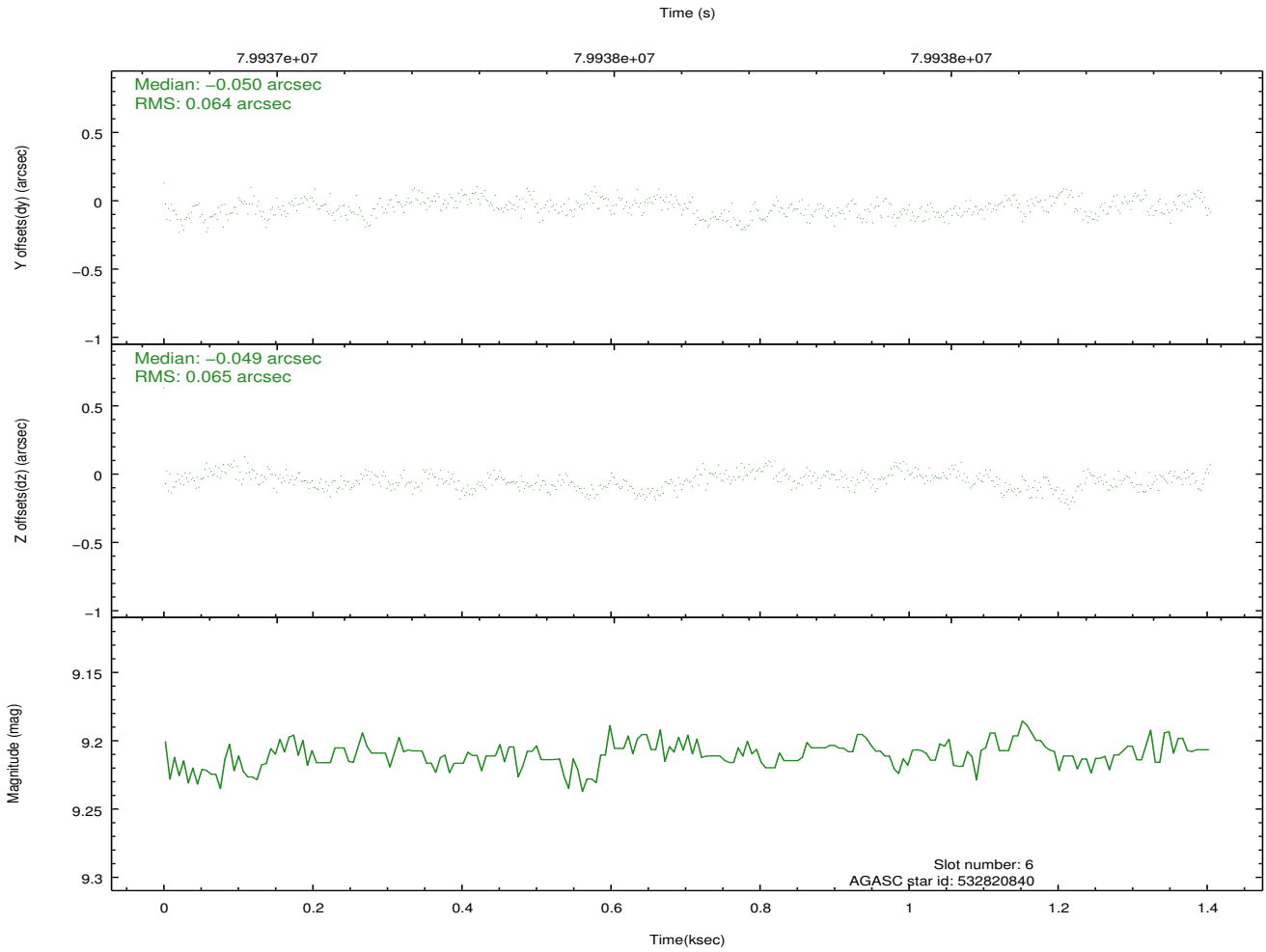
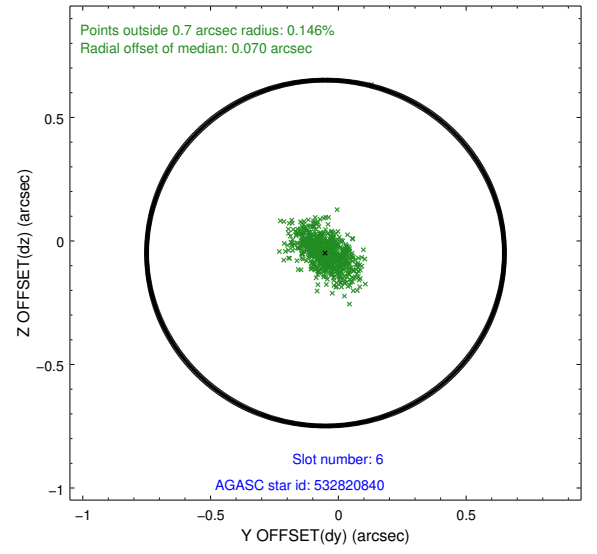
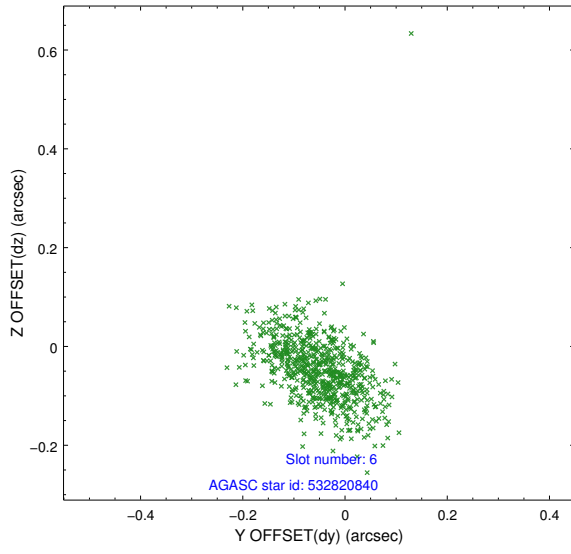
2.4.2 Slot 4



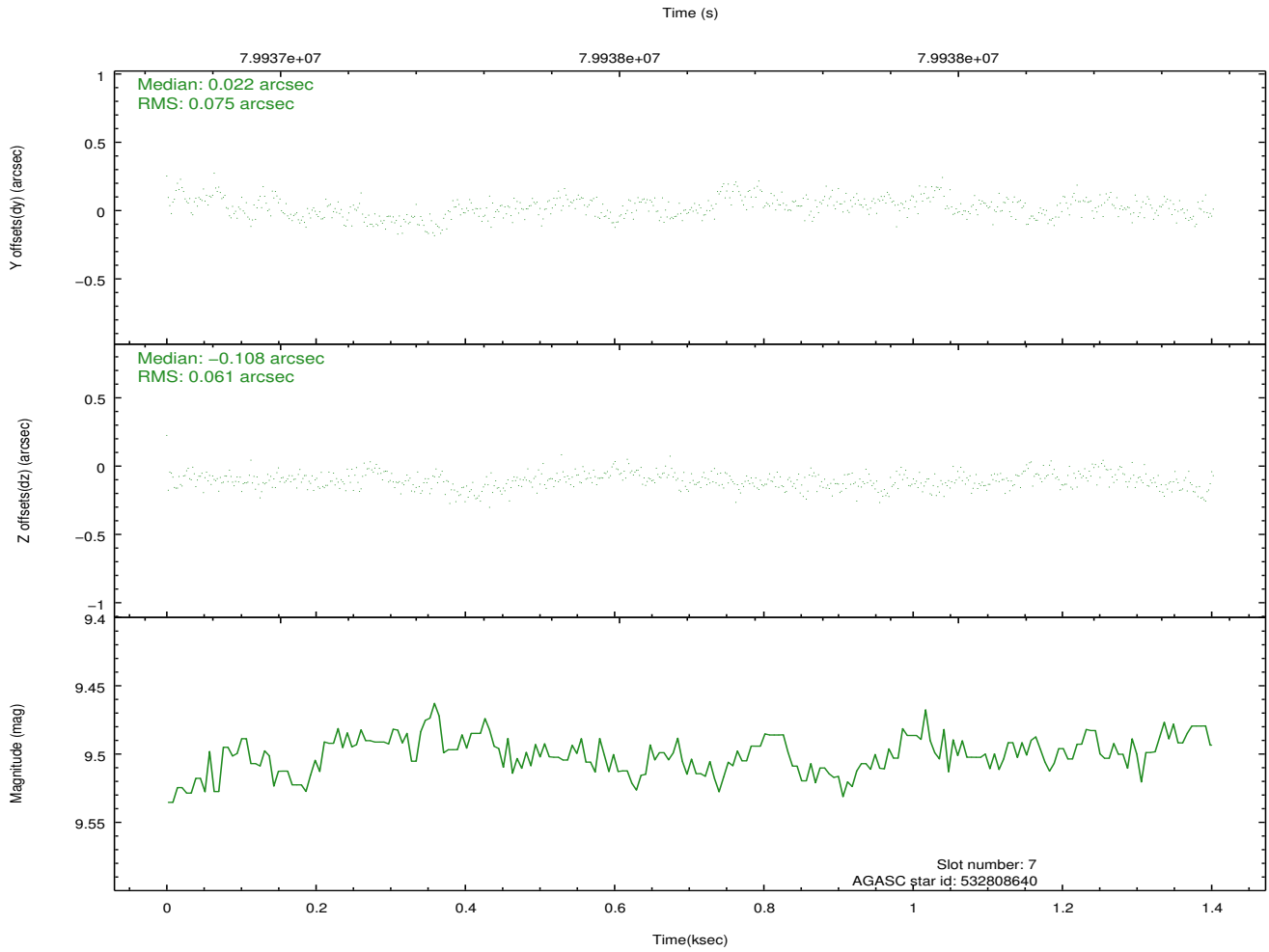
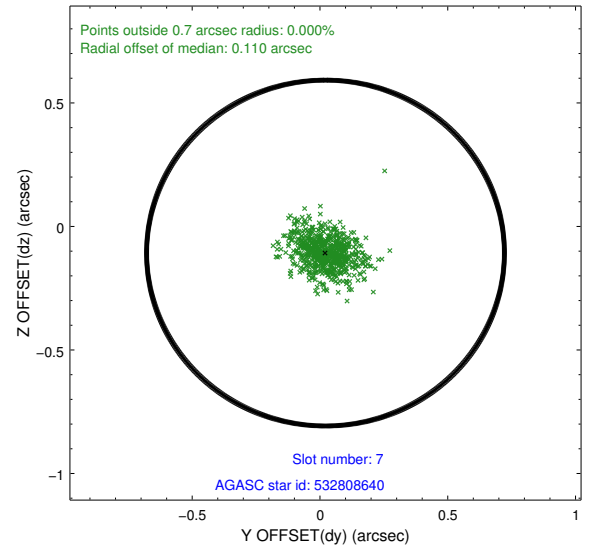
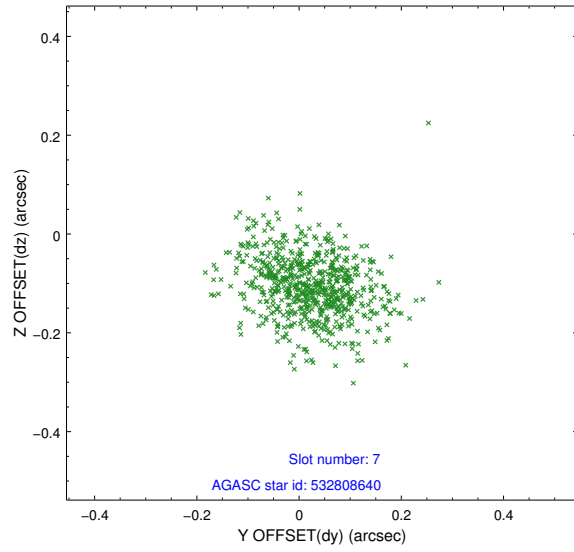
2.4.3 Slot 5



2.4.4 Slot 6

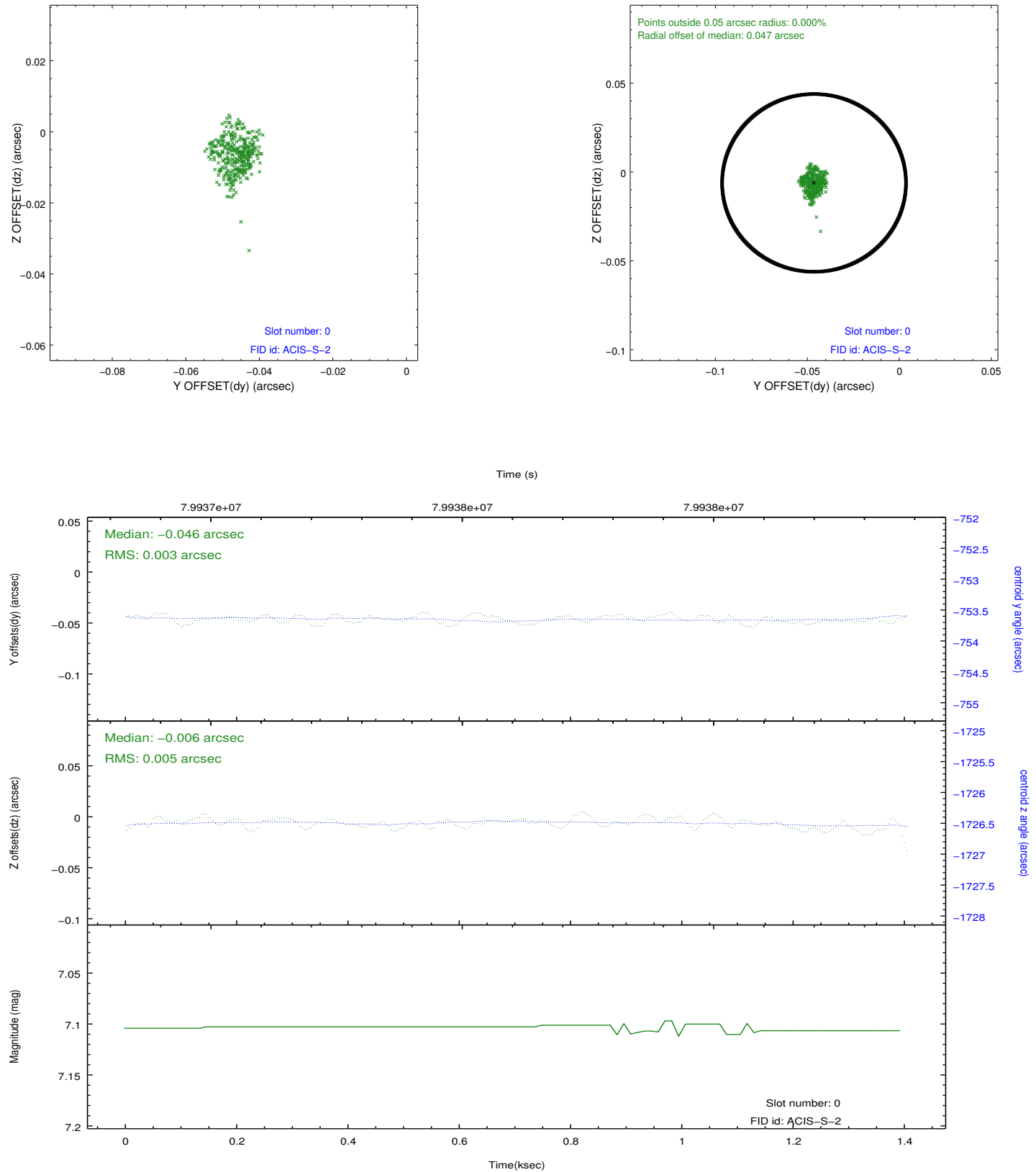


2.4.5 Slot 7

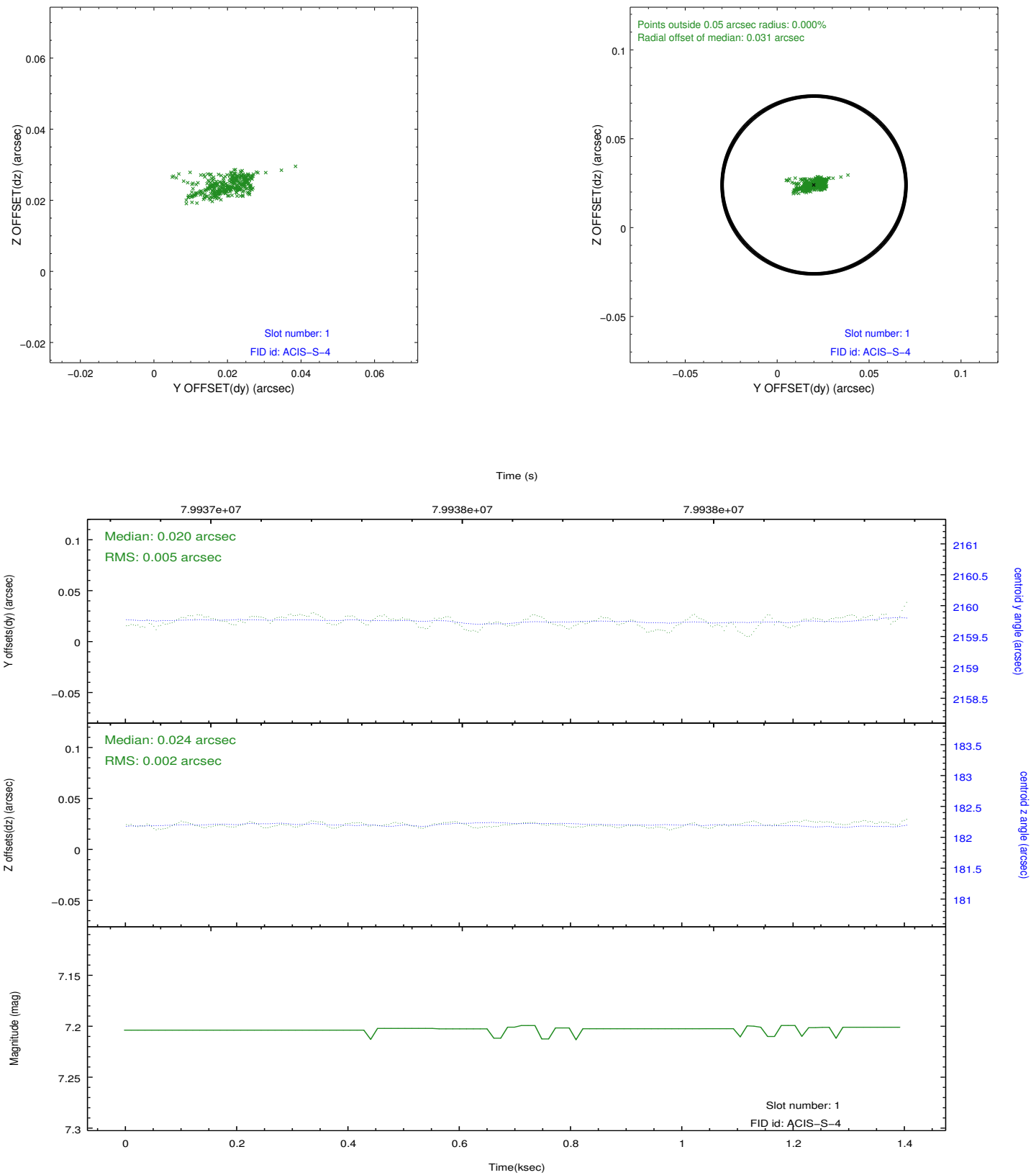


2.5 FID Slots

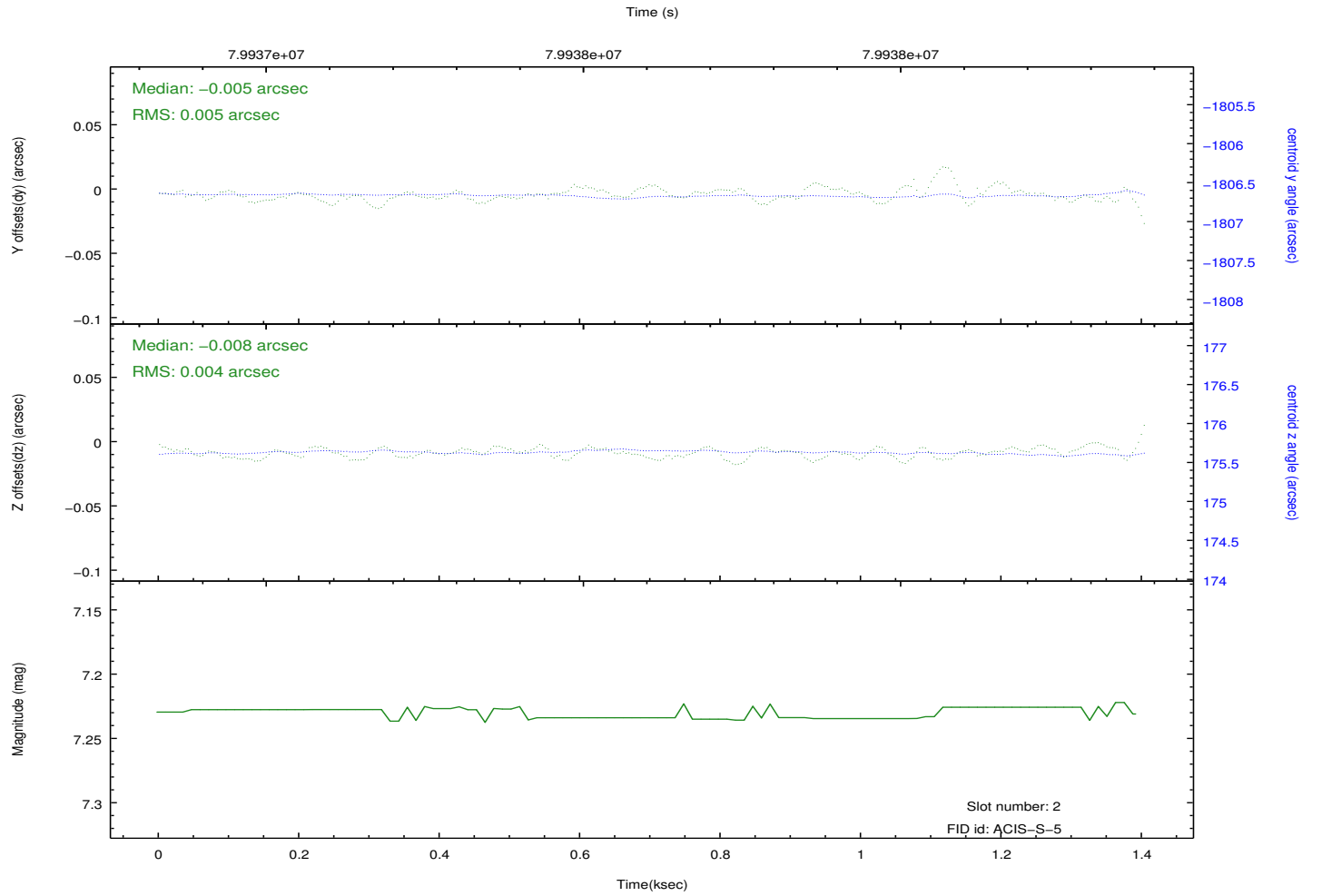
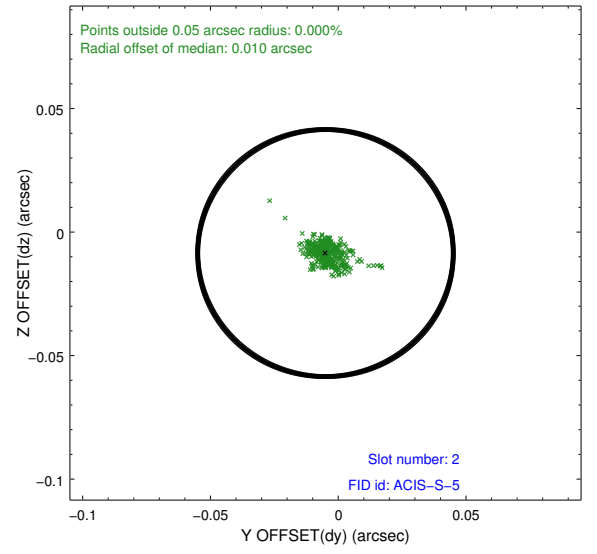
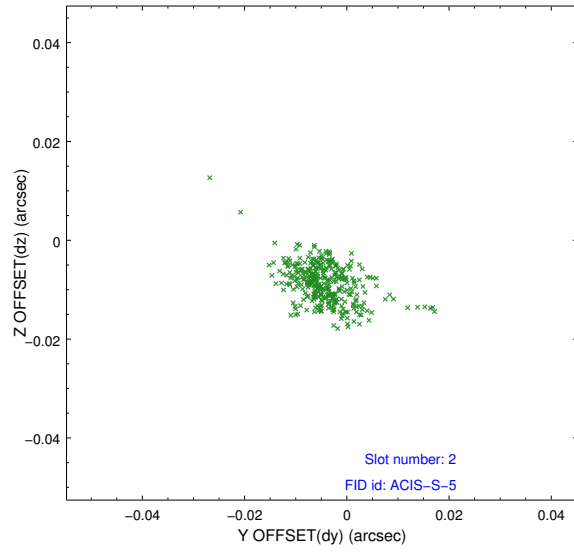
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.96

A.2 Comments

Window preference met.