

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1748 - L2 Version 4
Chandra X-Ray Center

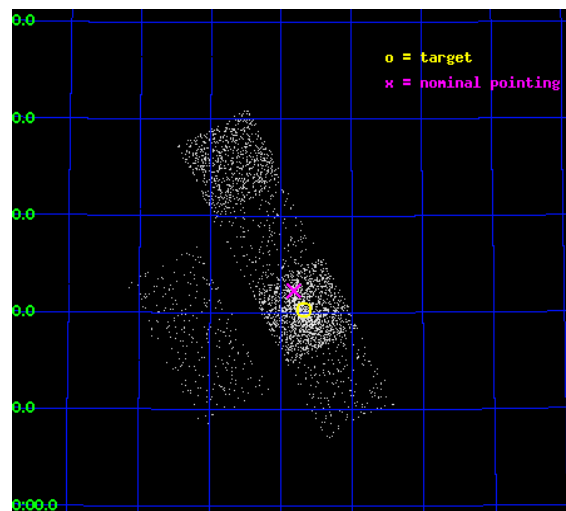
L2 Processing Date : Aug 30 2012

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1 Front

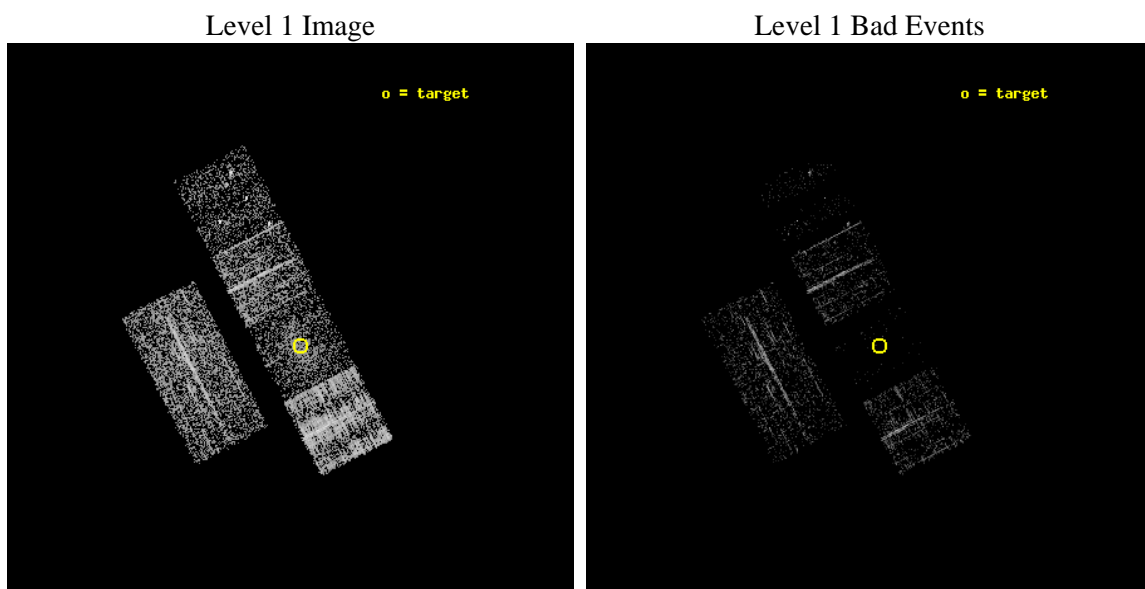
seq_num	100002	Sequence number
obs_id	1748	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.66696	Observer's specified target RA [deg]
dec_targ	60.33824	Observer's specified target Dec [deg]
ra_nom	65.704616020624	Nominal RA [deg]
dec_nom	60.371303007095	Nominal Dec [deg]
roll_nom	62.891422342235	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	3331	Number of level 2 events



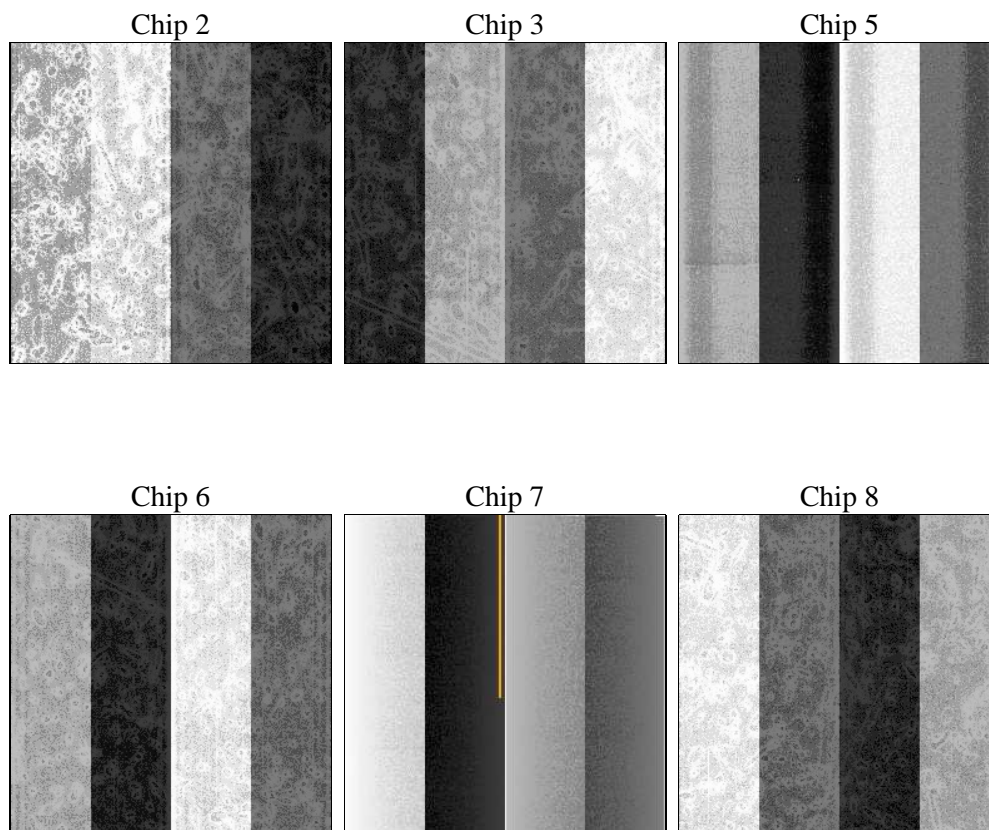
2 OBI

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	2012-08-30T04:06:26	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	37983	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7050	5290	2902	6034	2602	14105
rejected events	6598	5107	1350	5681	727	7381
rejected %	93%	96%	46%	94%	27%	52%

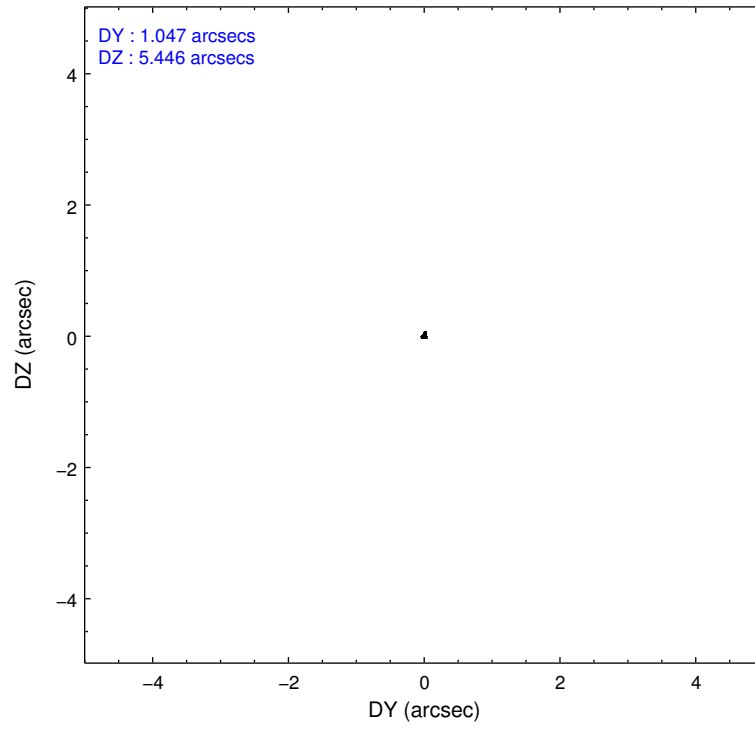
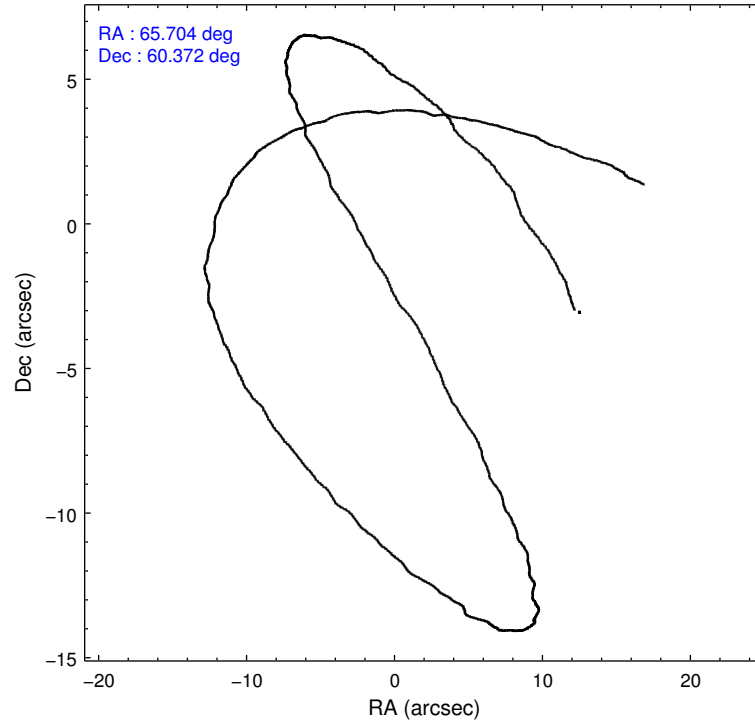
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	243	131	986	288	996	3037
	3%	2%	33%	4%	38%	21%
grade 1 events	3	2	44	1	5	29
	0%	0%	1%	0%	0%	0%
grade 2 events	154	19	557	83	622	772
	2%	0%	19%	1%	23%	5%
grade 3 events	43	34	161	29	234	1855
	0%	0%	5%	0%	8%	13%
grade 4 events	70	35	186	31	262	1590
	0%	0%	6%	0%	10%	11%
grade 5 events	9	2	117	3	64	102
	0%	0%	4%	0%	2%	0%
grade 6 events	32	12	117	7	208	1086
	0%	0%	4%	0%	7%	7%
grade 7 events	6496	5055	734	5592	211	5634
	92%	95%	25%	92%	8%	39%

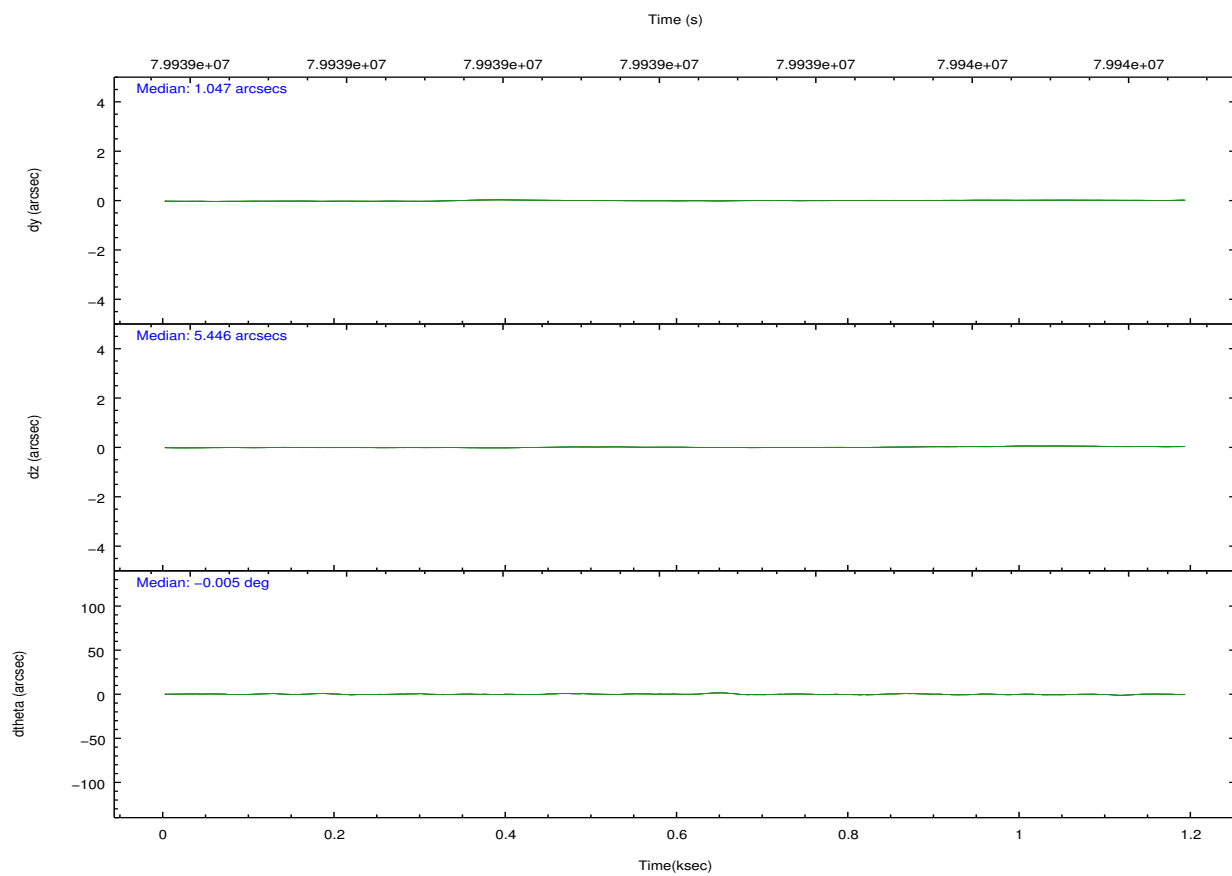
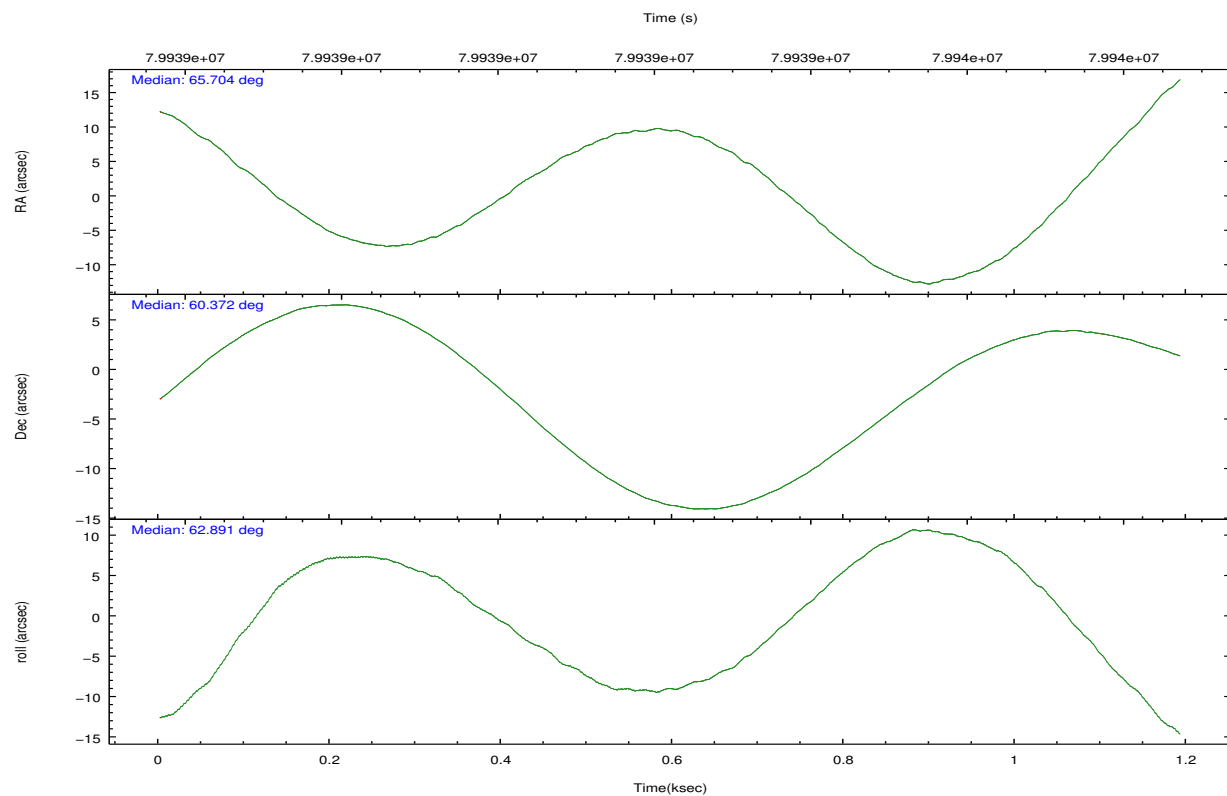
2.2 Compared Parameters

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	65.708050	65.70461602062375
[deg] Pointing Dec	60.343515	60.37130300709524
[deg] Pointing Roll	62.731834	62.89142234223485
[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)	79938819.184000	79938442.769328
Observation start date	2000-07-14T05:12:35	2000-07-14T05:07:22
[s] Observation end time (MET)	79939819.184000	79939953.106884
Observation end date	2000-07-14T05:29:15	2000-07-14T05:32:33
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



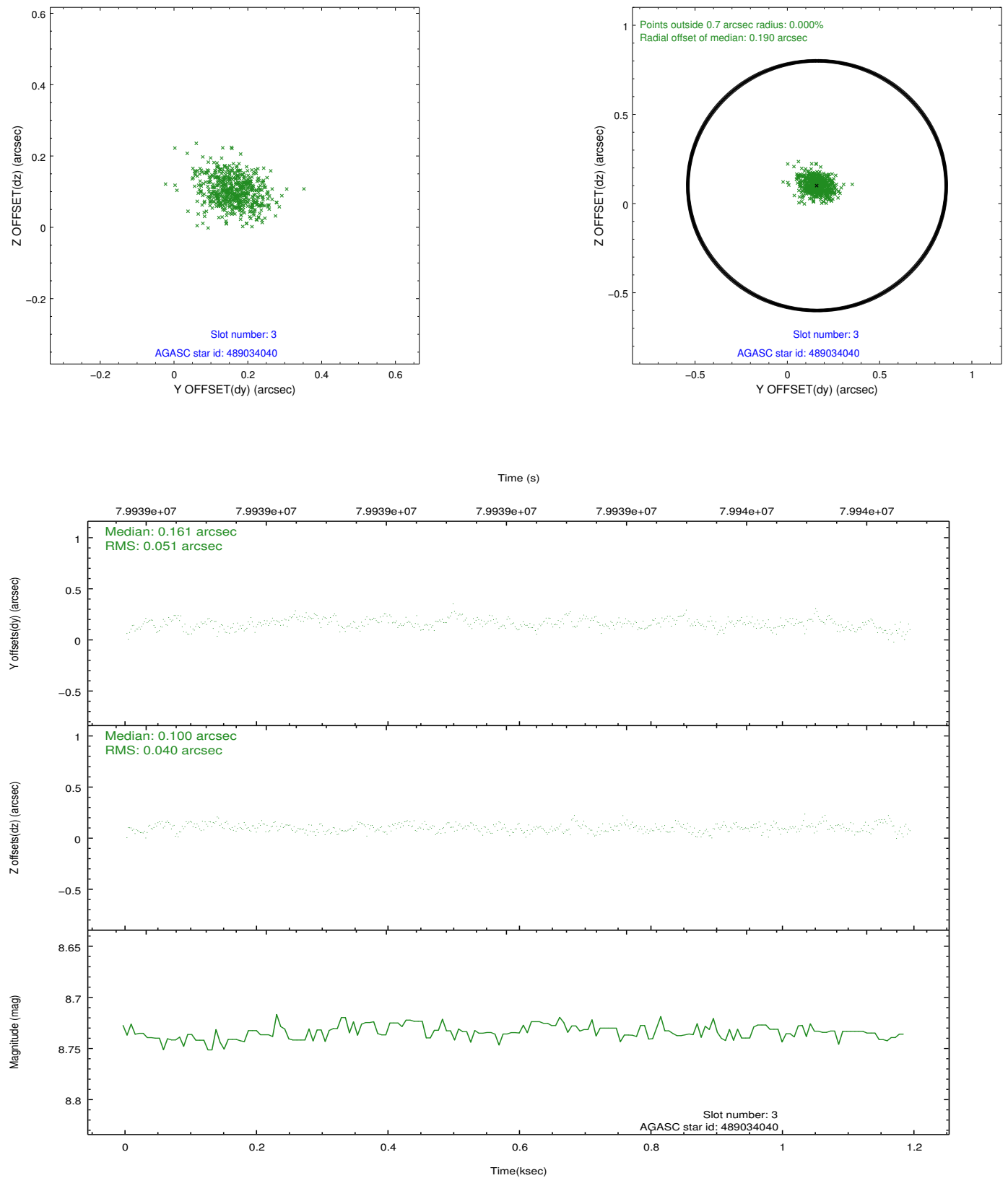


Slot Statistics

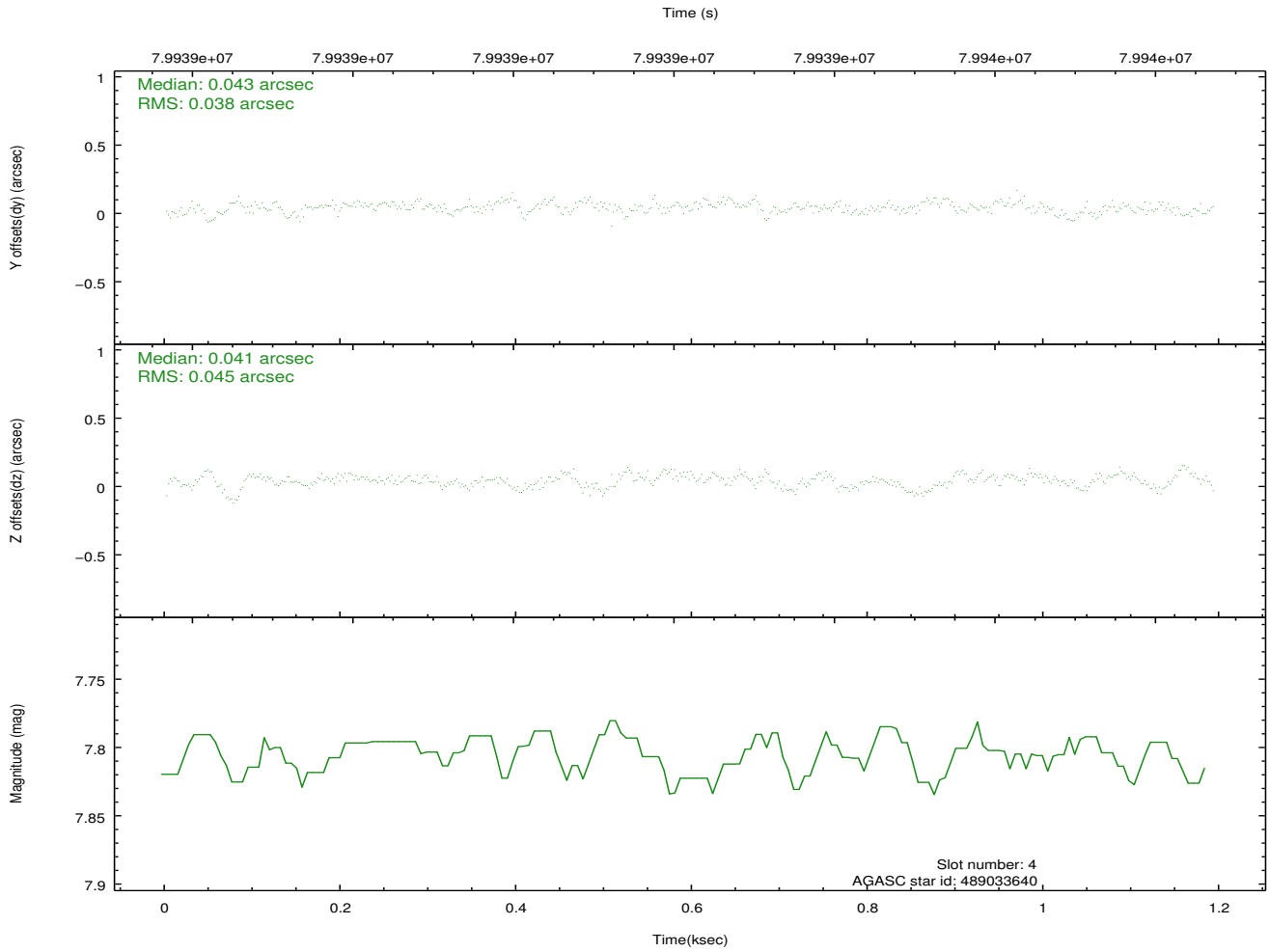
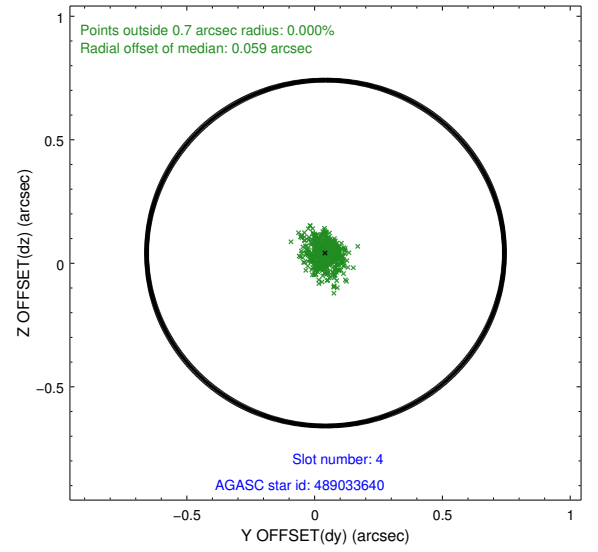
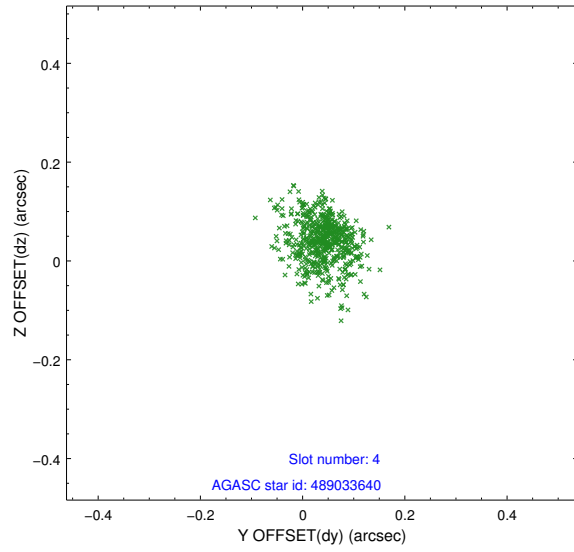
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	291	-0.045	-0.005	0.006	0.009	0.000000	0.000000	-753.66	-1726.59
1	FID	ACIS-S-4	7.20	291	0.015	0.023	0.005	0.009	0.000000	0.000000	2157.14	176.18
2	FID	ACIS-S-5	7.23	291	-0.001	-0.009	0.006	0.010	0.000000	0.000000	-1799.26	176.14
3	GUIDE	489034040	8.73	582	0.161	0.100	0.069	0.114	65.374800	59.745977	-2189.22	-449.75
4	GUIDE	489033640	7.80	582	0.043	0.041	0.062	0.105	65.894533	59.732568	-1804.98	-1311.24
5	GUIDE	532815480	8.47	582	-0.030	-0.020	0.071	0.117	65.380825	60.792672	1170.34	1247.97
6	GUIDE	532811896	8.81	582	-0.142	-0.109	0.081	0.140	64.989899	61.006439	1553.44	2210.31
7	GUIDE	489045640	6.58	581	-0.032	-0.014	0.066	0.112	65.741450	59.616179	-2298.63	-1252.23

2.4 Star Slots

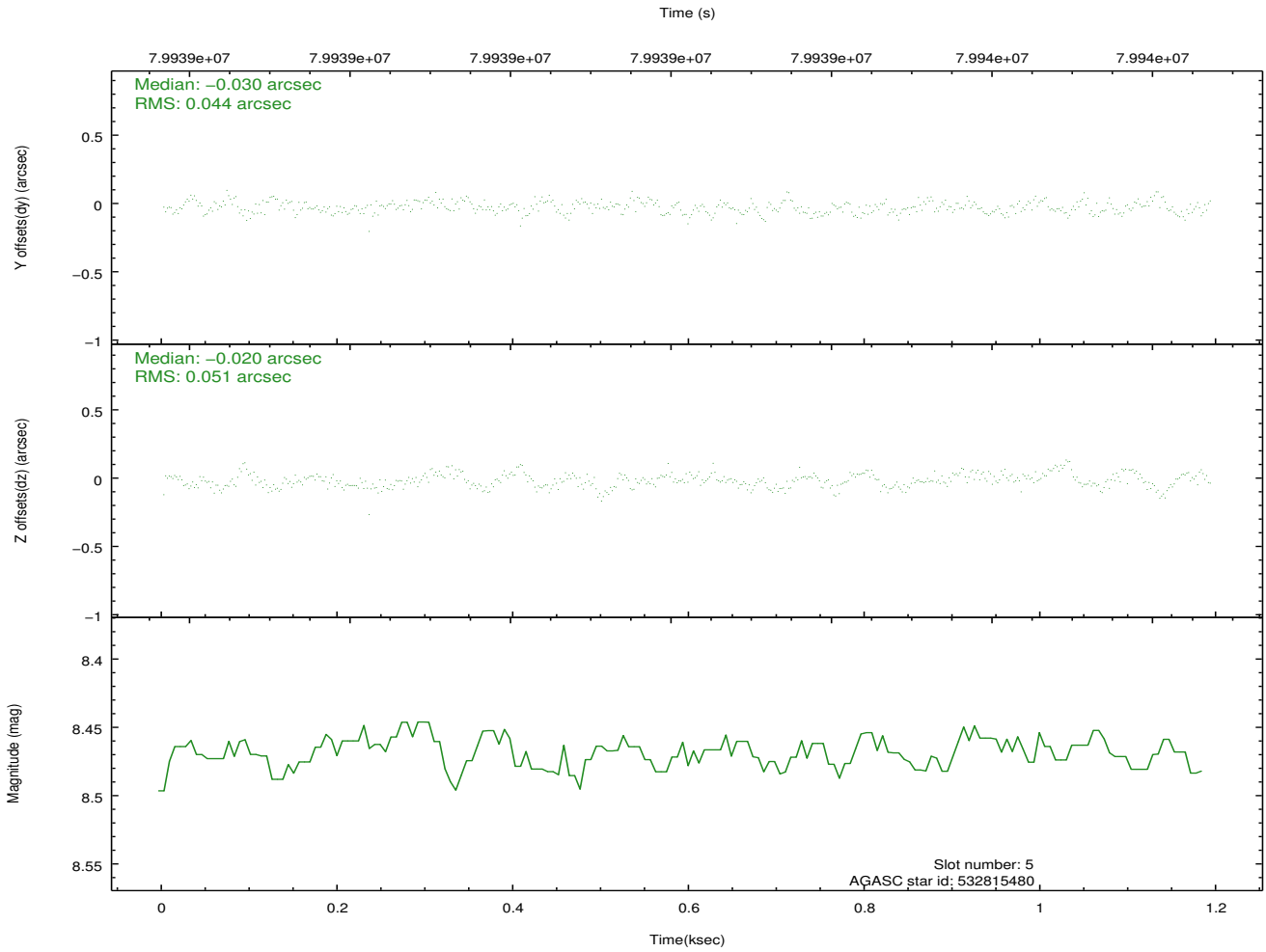
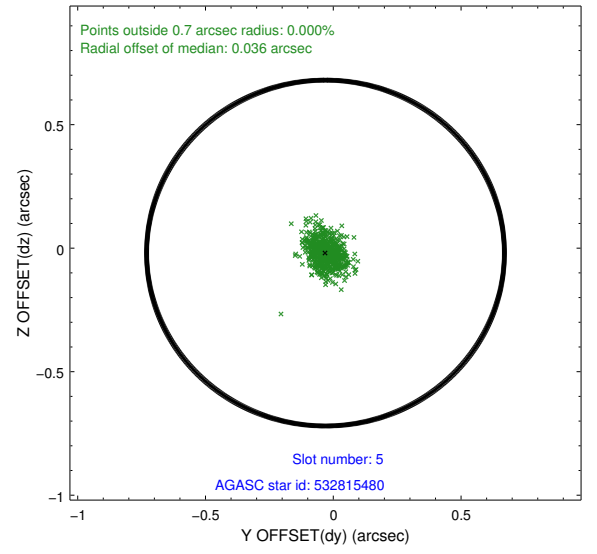
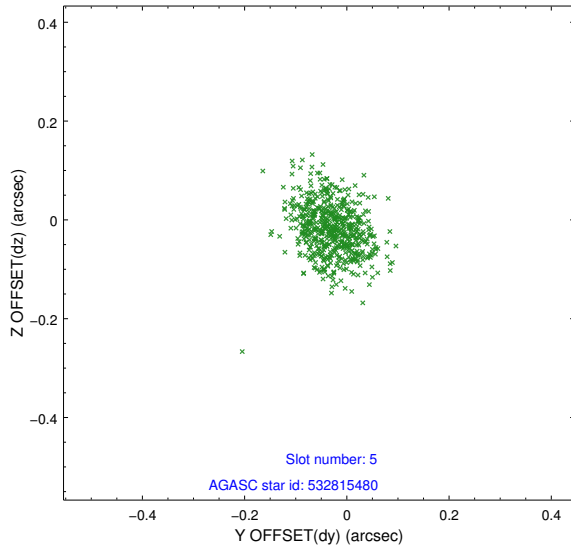
2.4.1 Slot 3



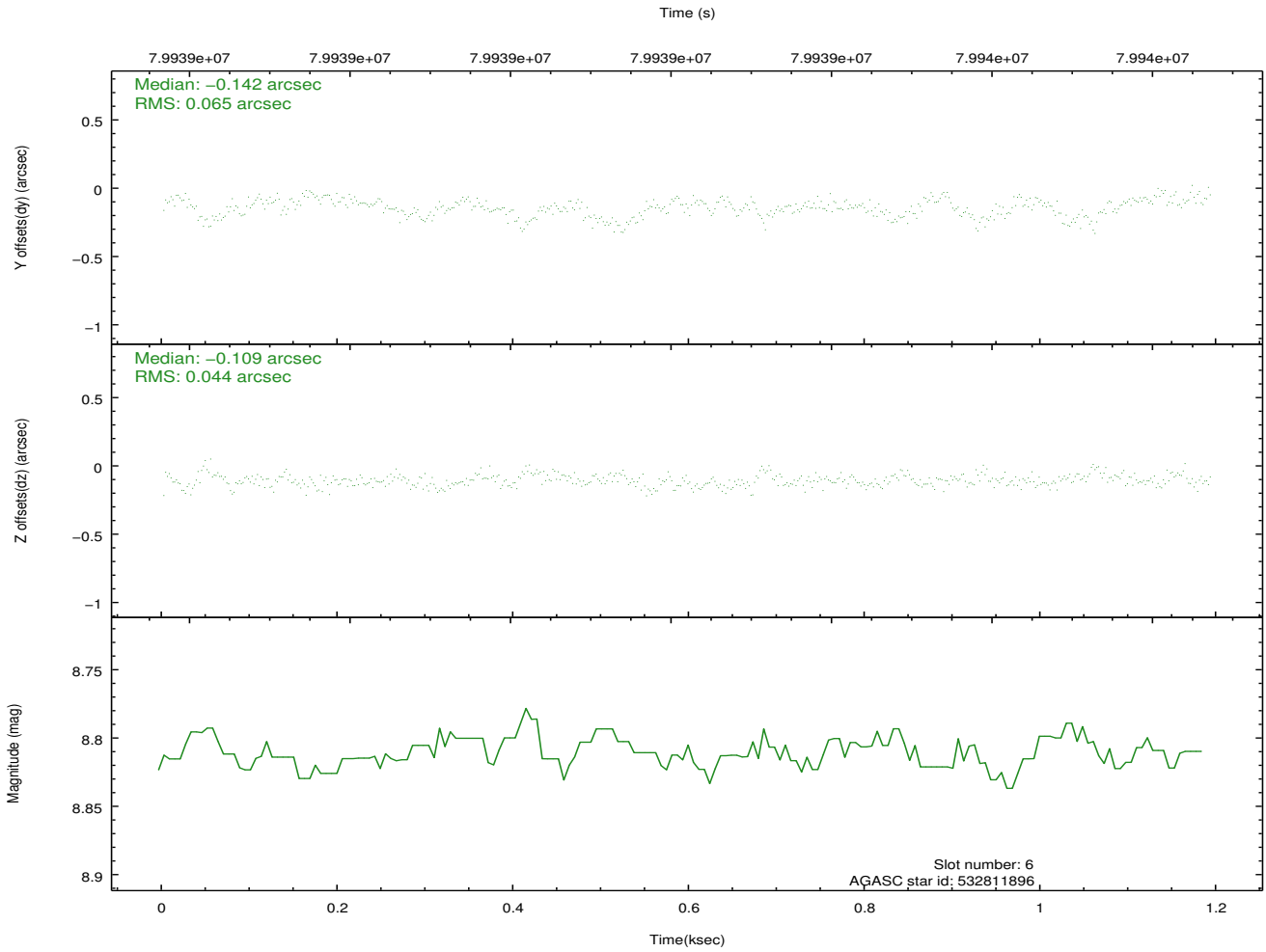
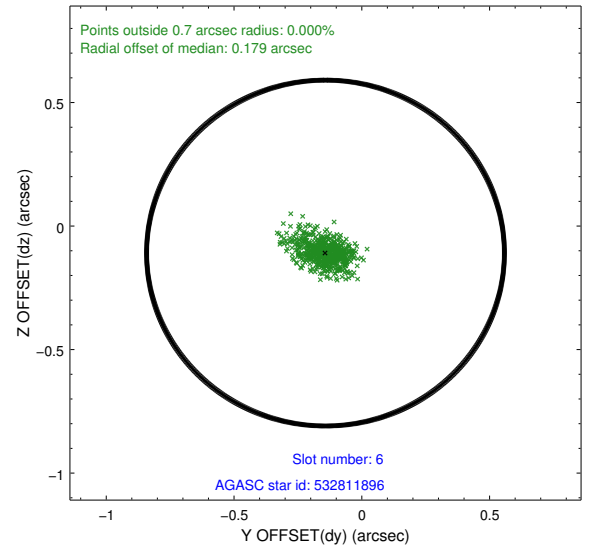
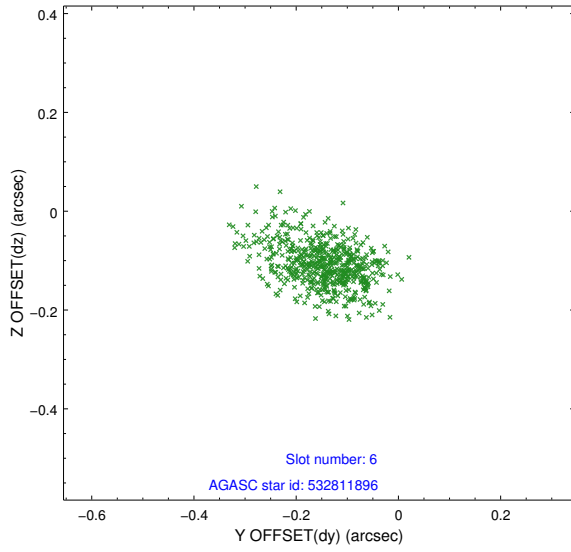
2.4.2 Slot 4



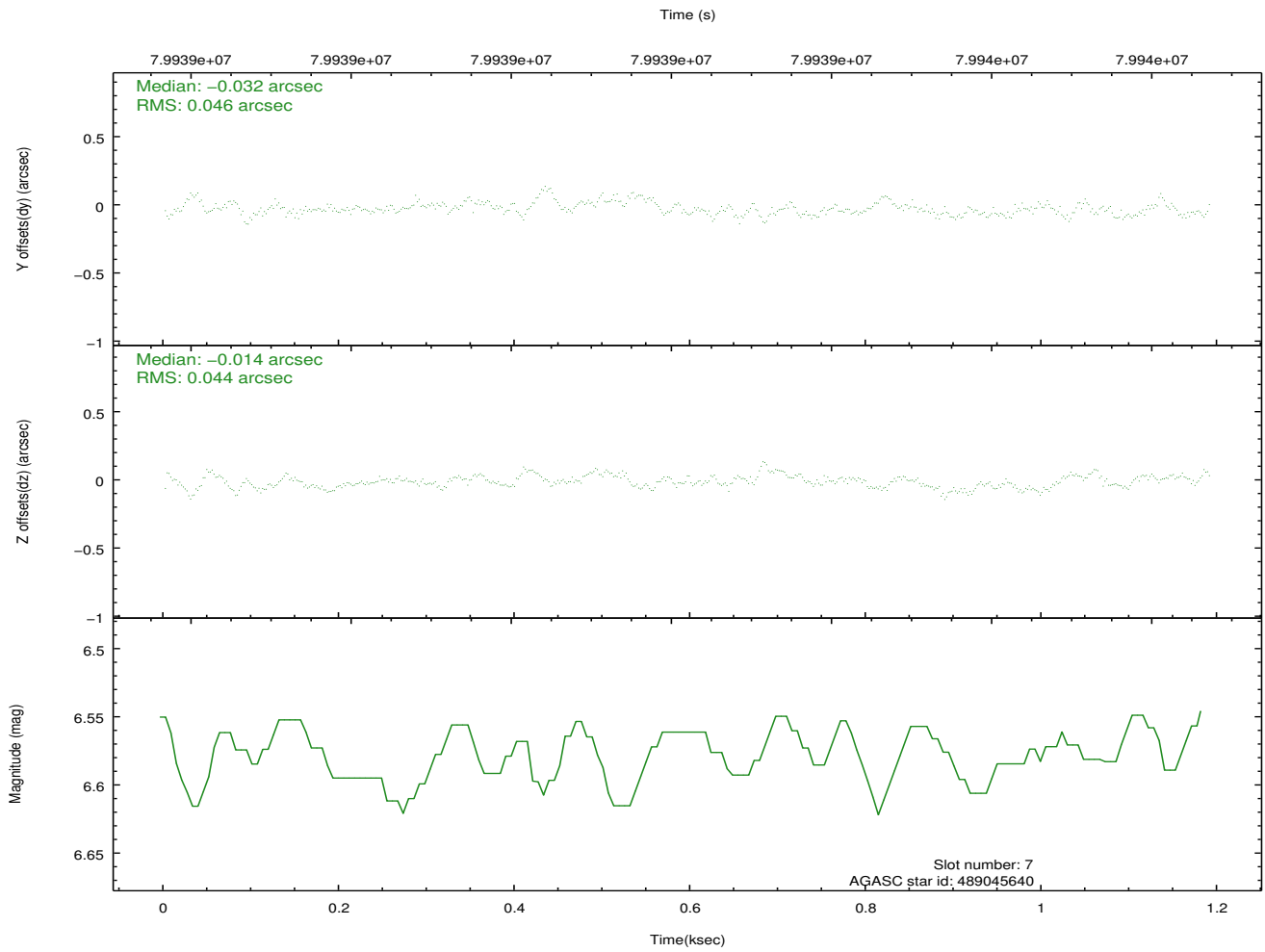
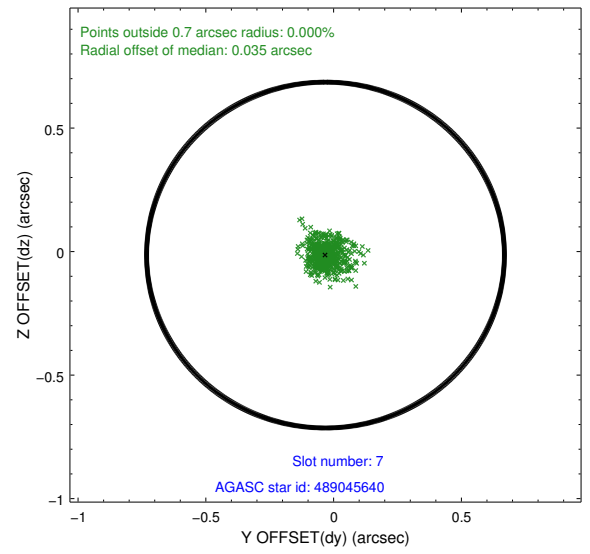
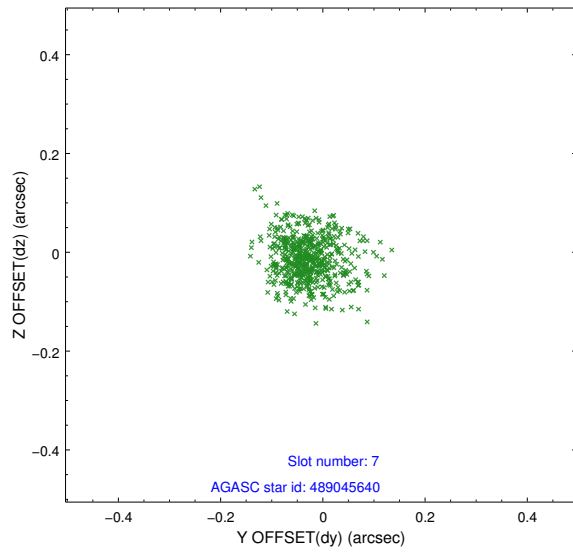
2.4.3 Slot 5



2.4.4 Slot 6

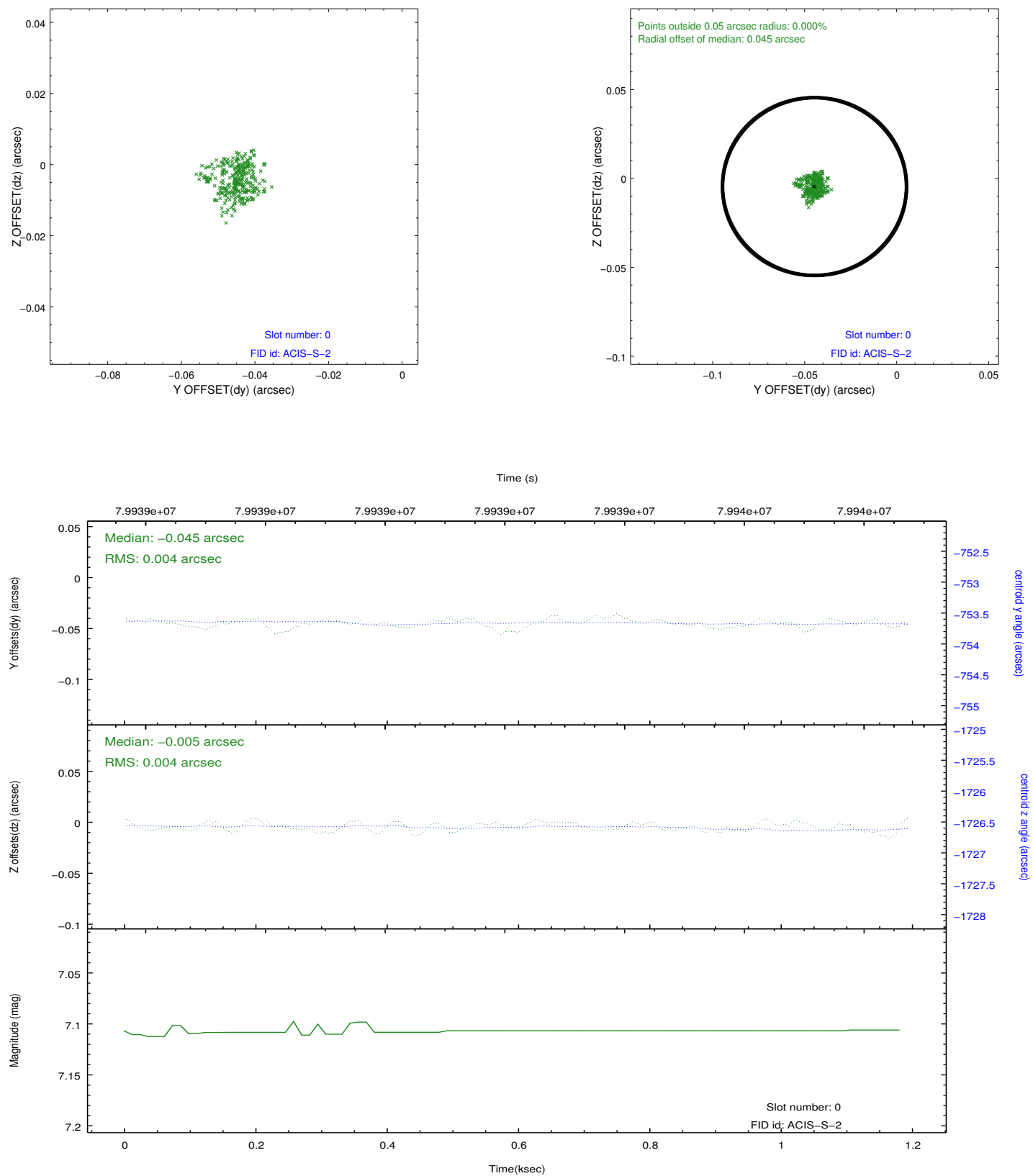


2.4.5 Slot 7

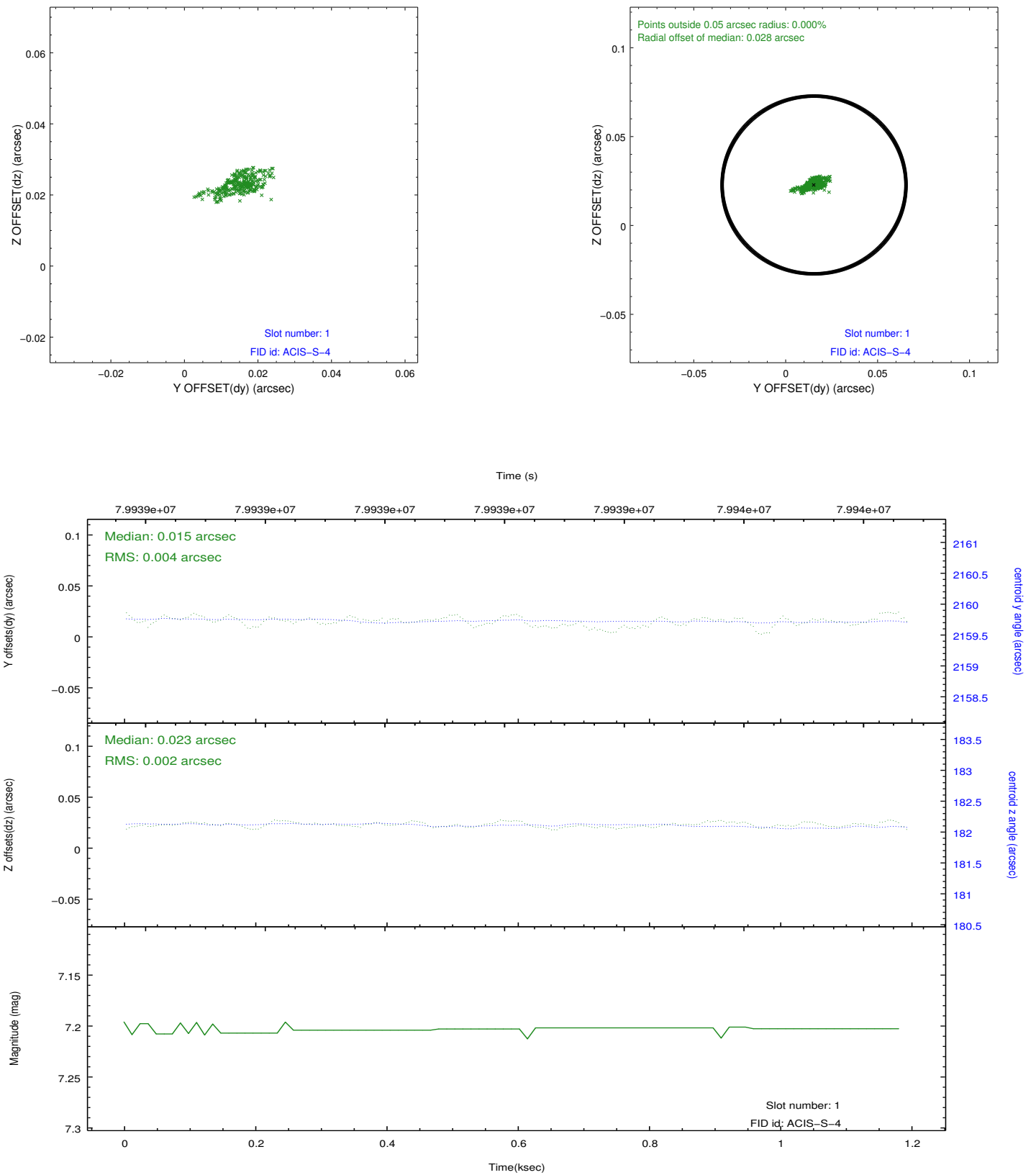


2.5 FID Slots

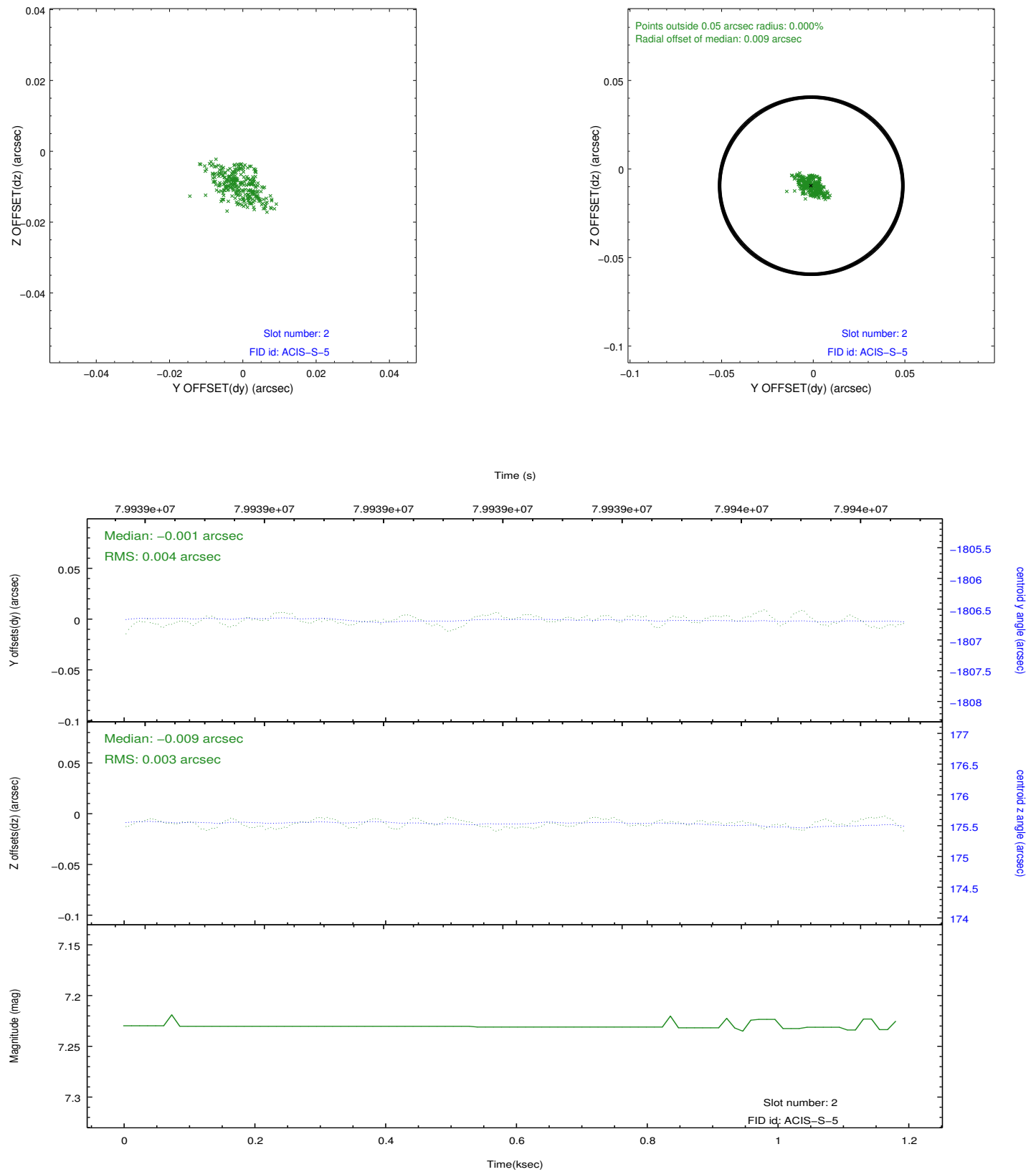
2.5.1 Slot 0



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	1.19

A.2 Comments