

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 390 - L2 Version 4
Chandra X-Ray Center

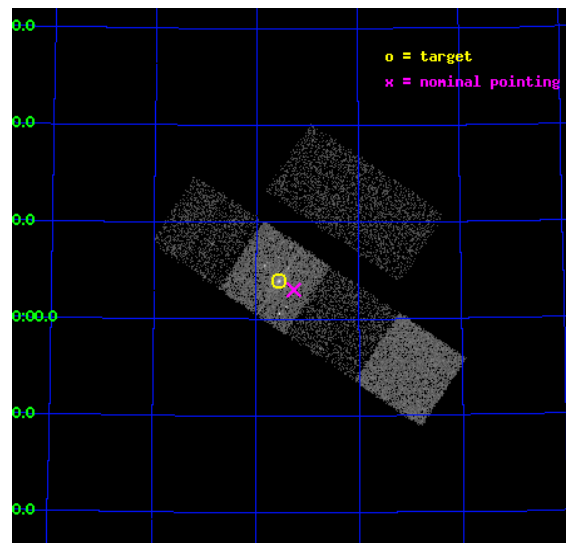
L2 Processing Date : Aug 24 2012

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1 Front

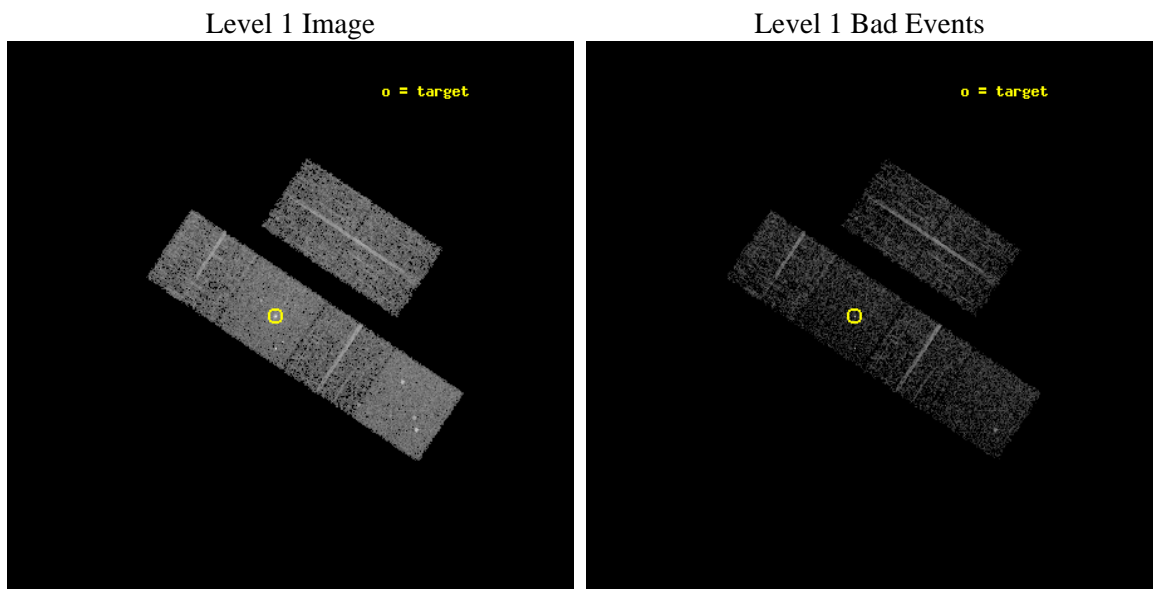
seq_num	700062	Sequence number
obs_id	390	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Professor Gordon Garmire	Principal investigator
object	NGC 3031	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	148.888333	Observer's specified target RA [deg]
dec_targ	69.065278	Observer's specified target Dec [deg]
ra_nom	148.81629384858	Nominal RA [deg]
dec_nom	69.050572607974	Nominal Dec [deg]
roll_nom	213.74833157268	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2406.4000022262	Sum of GTIs [s]
livetime	2375.9287164379	Livetime [s]
ontime2	2406.4000022262	Sum of GTIs [s]
ontime3	2406.4000022262	Sum of GTIs [s]
ontime5	2406.4000022262	Sum of GTIs [s]
ontime6	2406.4000022262	Sum of GTIs [s]
ontime7	2406.4000022262	Sum of GTIs [s]
ontime8	2406.4000022262	Sum of GTIs [s]
l2events	27950	Number of level 2 events



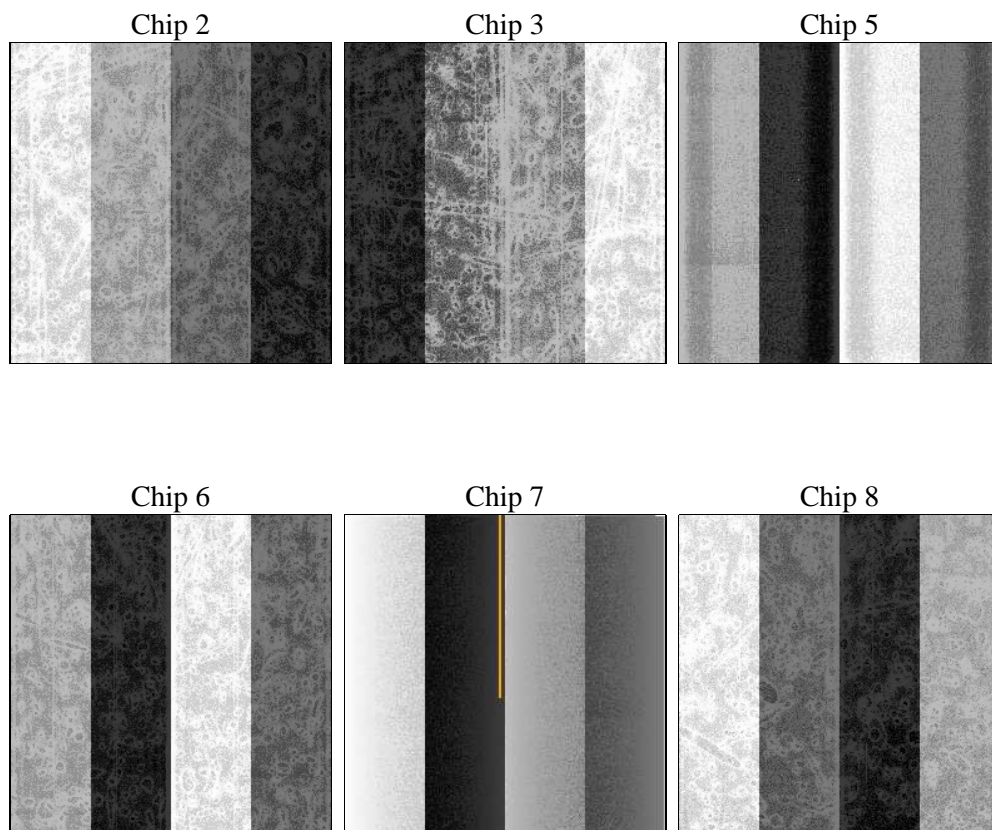
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2406.4000022262	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	2406.4000022262	Sum of GTIs [s]
date	2012-08-24T13:42:00	Date and time of file creation	ontime3	2406.4000022262	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	2406.4000022262	Sum of GTIs [s]
			ontime6	2406.4000022262	Sum of GTIs [s]
			ontime7	2406.4000022262	Sum of GTIs [s]
			ontime8	2406.4000022262	Sum of GTIs [s]
			l1events	119662	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18337	17036	23111	17040	23887	20251
rejected events	16453	15252	11994	15064	11958	16363
rejected %	89%	89%	51%	88%	50%	80%

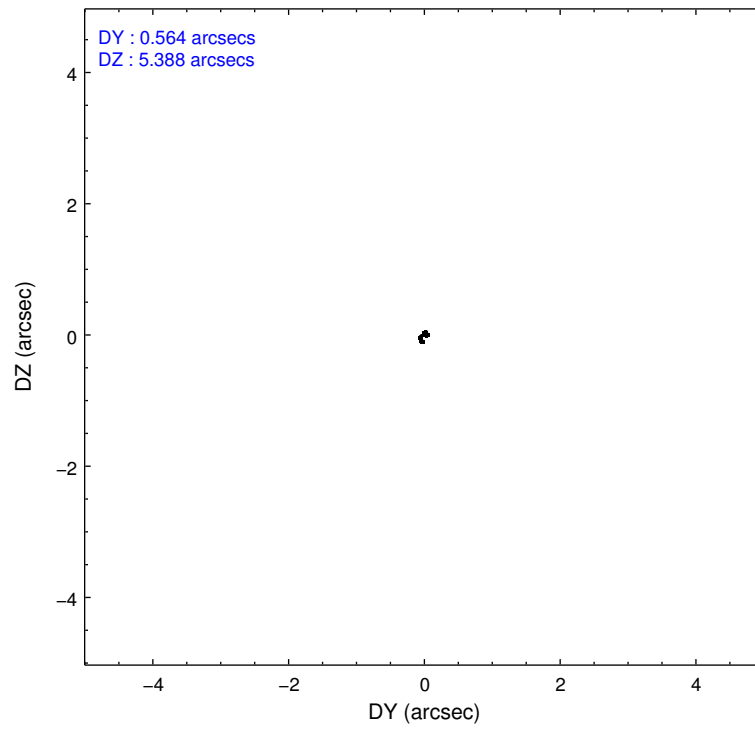
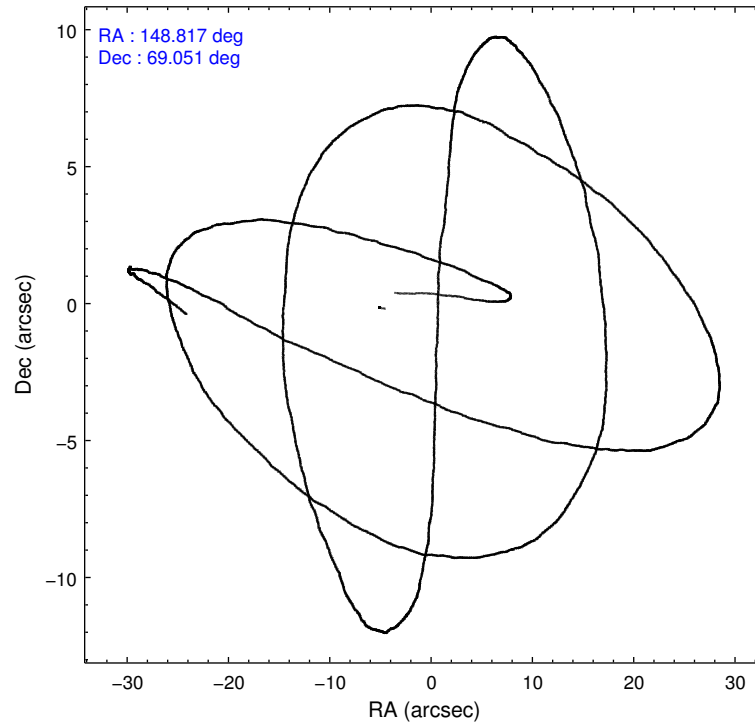
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	763	814	1583	872	1813	1258
	4%	4%	6%	5%	7%	6%
grade 1 events	10	8	35	9	54	14
	0%	0%	0%	0%	0%	0%
grade 2 events	387	328	3251	352	2572	821
	2%	1%	14%	2%	10%	4%
grade 3 events	181	195	478	182	1203	418
	0%	1%	2%	1%	5%	2%
grade 4 events	196	163	447	203	1194	412
	1%	0%	1%	1%	4%	2%
grade 5 events	535	574	1828	614	2085	807
	2%	3%	7%	3%	8%	3%
grade 6 events	360	285	5374	368	5168	980
	1%	1%	23%	2%	21%	4%
grade 7 events	15905	14669	10115	14440	9798	15541
	86%	86%	43%	84%	41%	76%

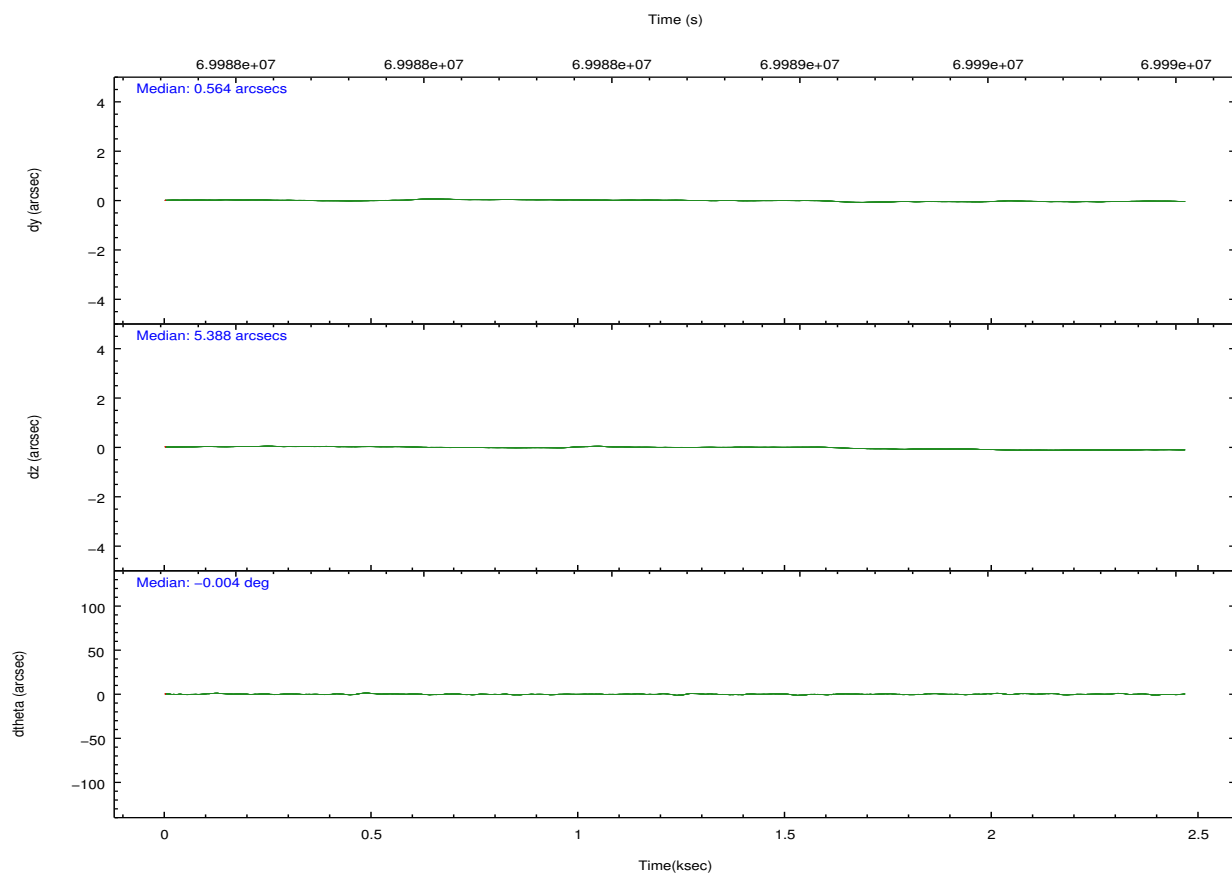
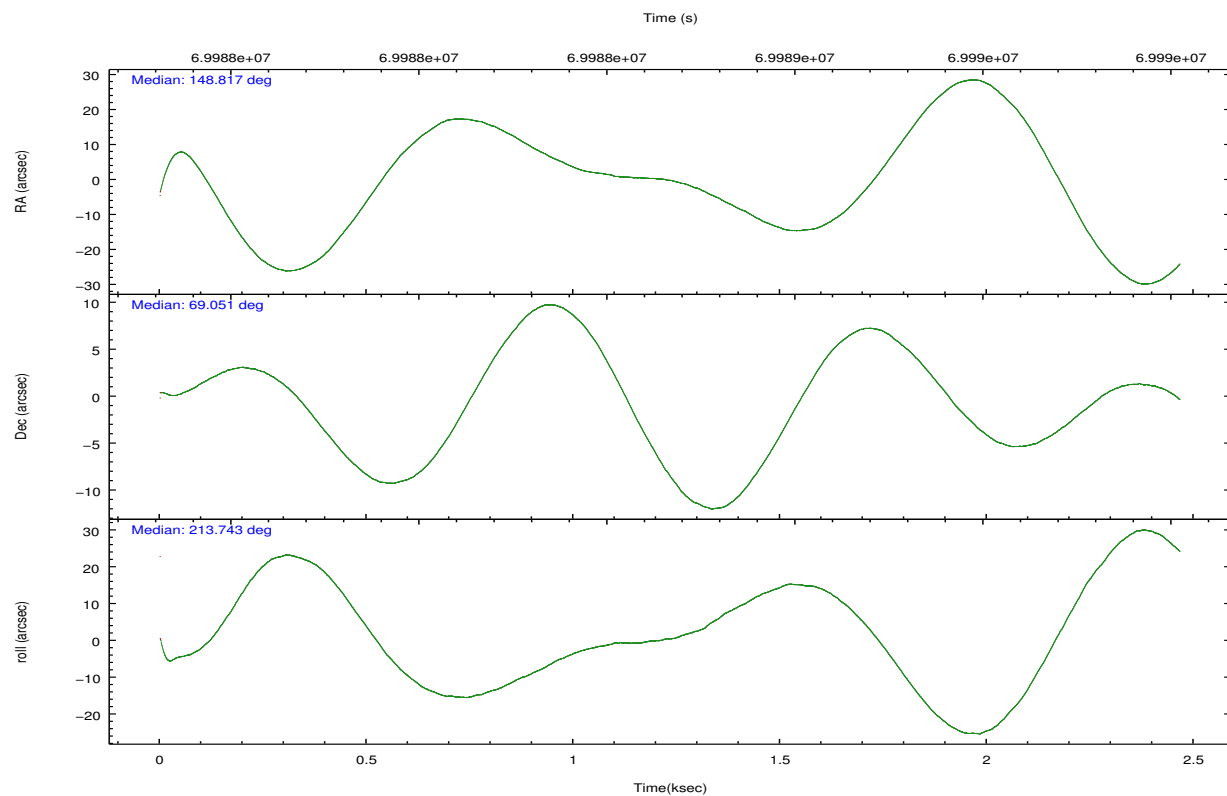
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	148.850862	148.8162938485808
[deg] Pointing Dec	69.075219	69.05057260797382
[deg] Pointing Roll	213.559436	213.7483315726793
[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)	69987901.184000	69986567.24115001
Observation start date	2000-03-21T01:03:57	2000-03-21T00:42:47
[s] Observation end time (MET)	69989901.184000	69990760.003804
Observation end date	2000-03-21T01:37:17	2000-03-21T01:52:40
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



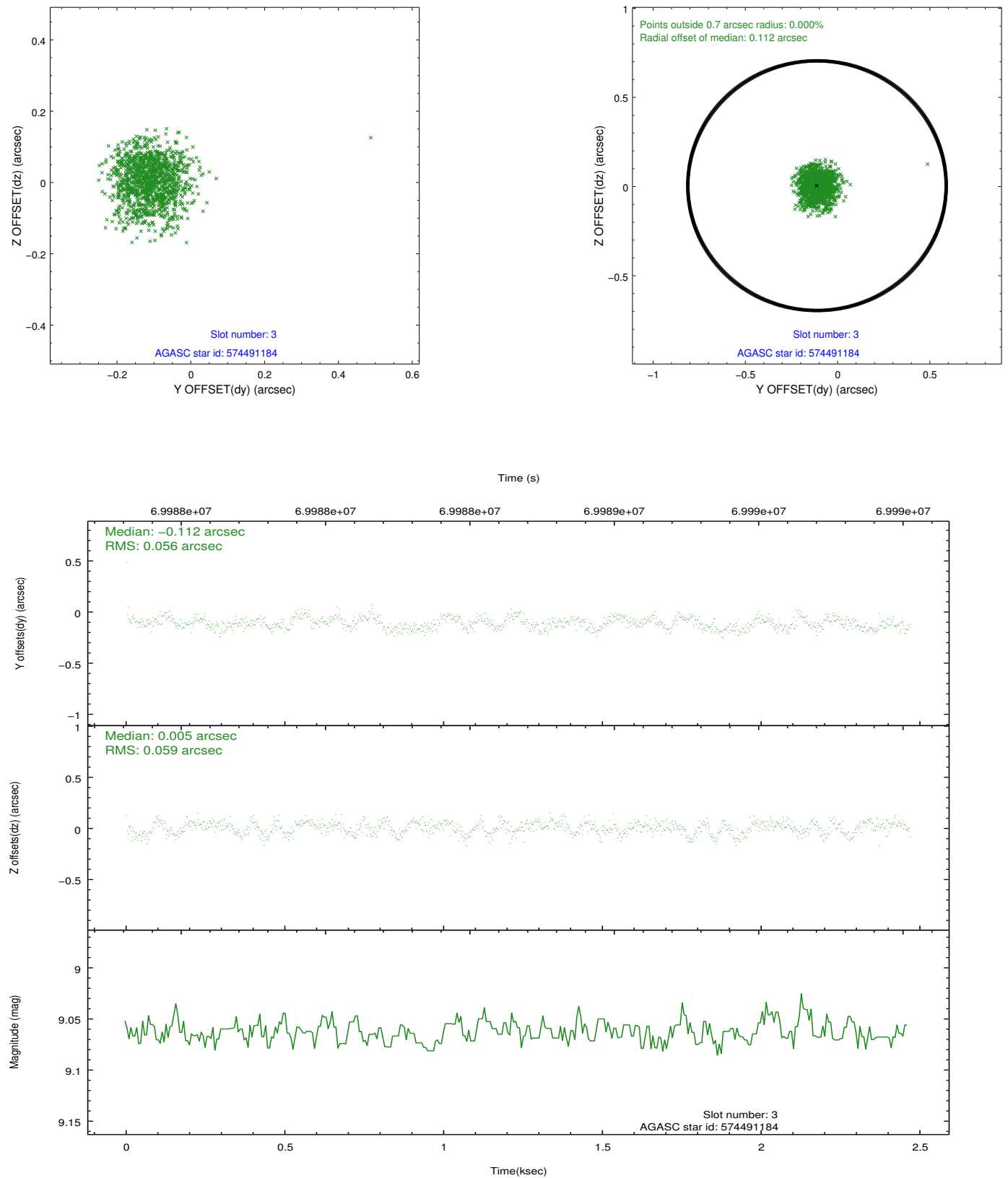


Slot Statistics

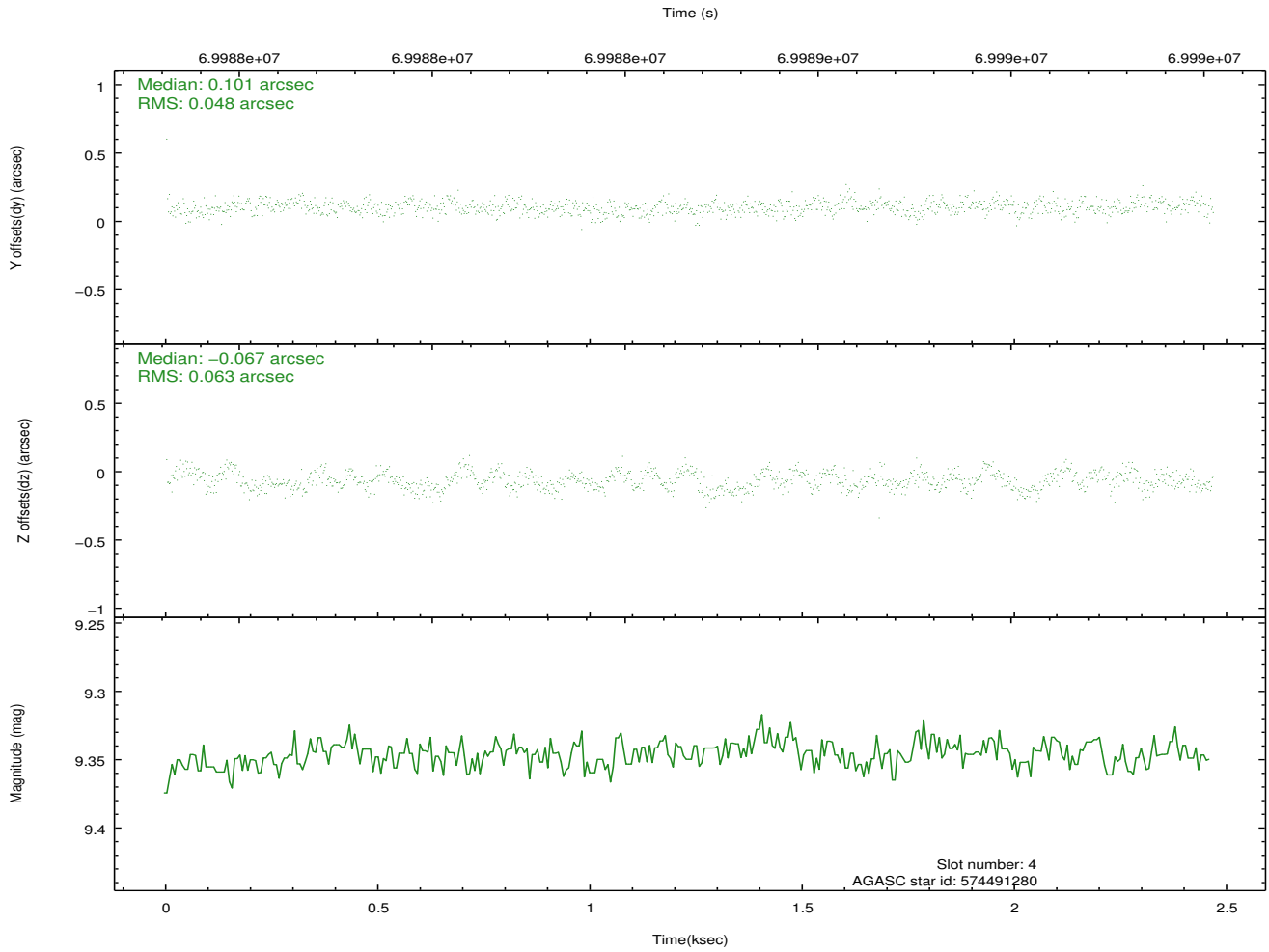
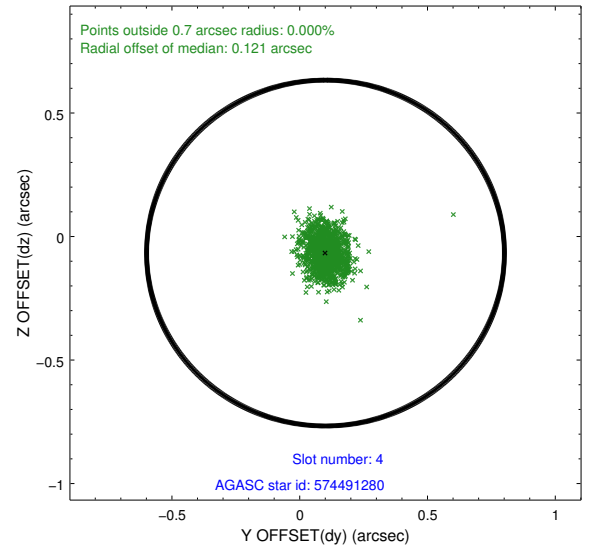
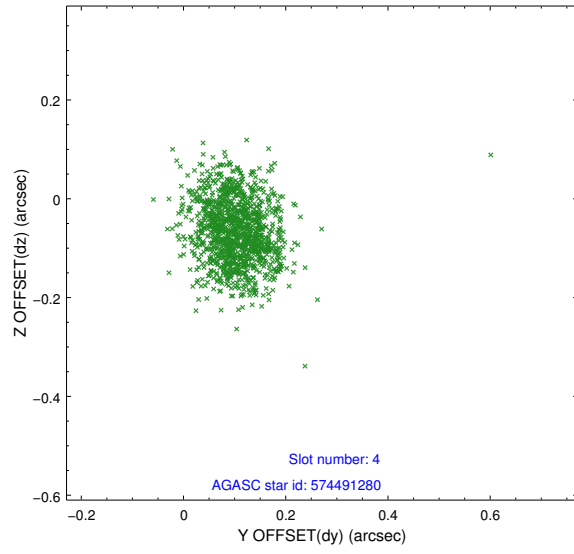
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	602	-0.046	-0.015	0.007	0.011	0.000000	0.000000	-753.17	-1726.46
1	FID	ACIS-S-4	7.21	602	0.050	0.026	0.007	0.013	0.000000	0.000000	2159.01	179.38
2	FID	ACIS-S-5	7.23	602	-0.035	-0.002	0.007	0.012	0.000000	0.000000	-1802.63	175.99
3	GUIDE	574491184	9.06	1203	-0.112	0.005	0.085	0.134	148.582453	69.768699	-1102.89	-2265.60
4	GUIDE	574491280	9.35	1203	0.101	-0.067	0.084	0.130	148.611567	69.450135	-496.03	-1294.14
5	GUIDE	574489568	9.78	1203	-0.007	0.069	0.117	0.188	147.223974	69.438157	975.49	-2249.24
6	GUIDE	574490960	9.76	1202	0.018	-0.004	0.108	0.176	148.185918	69.658768	-470.29	-2216.05
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

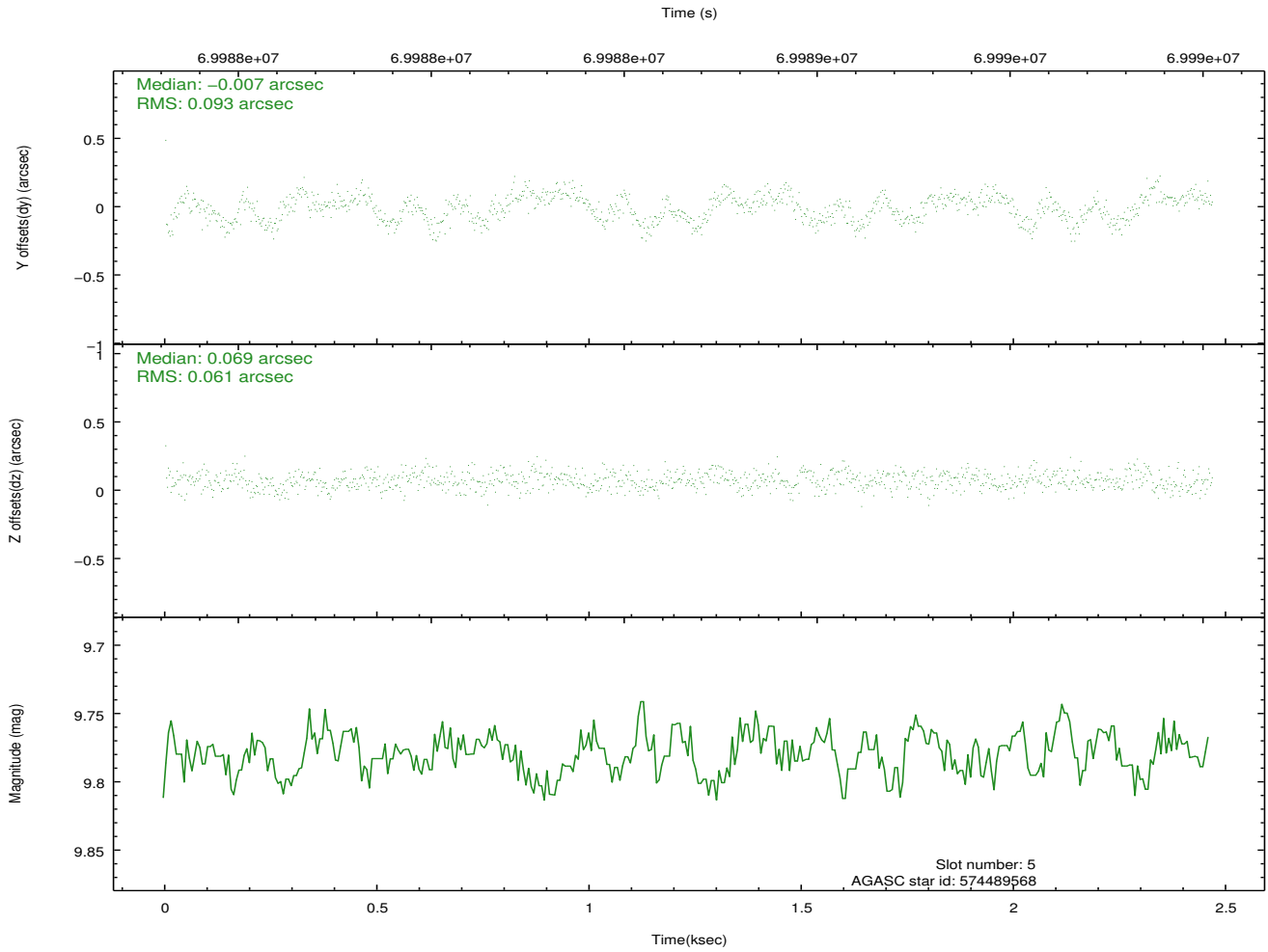
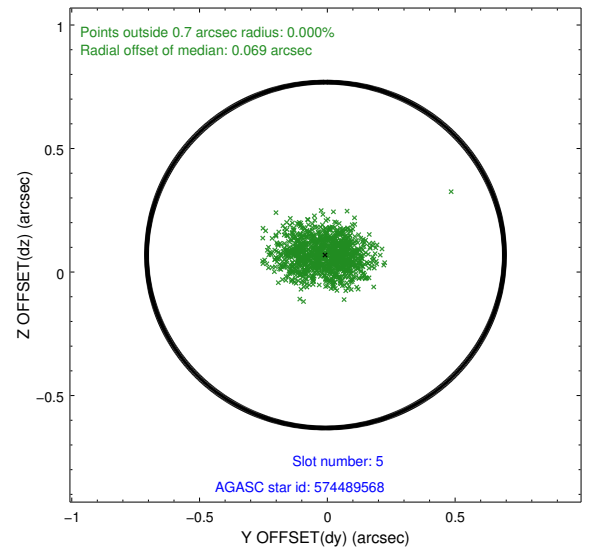
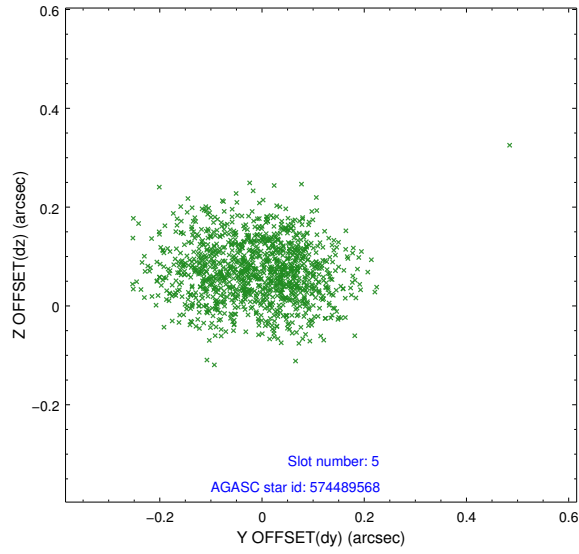
2.4.1 Slot 3



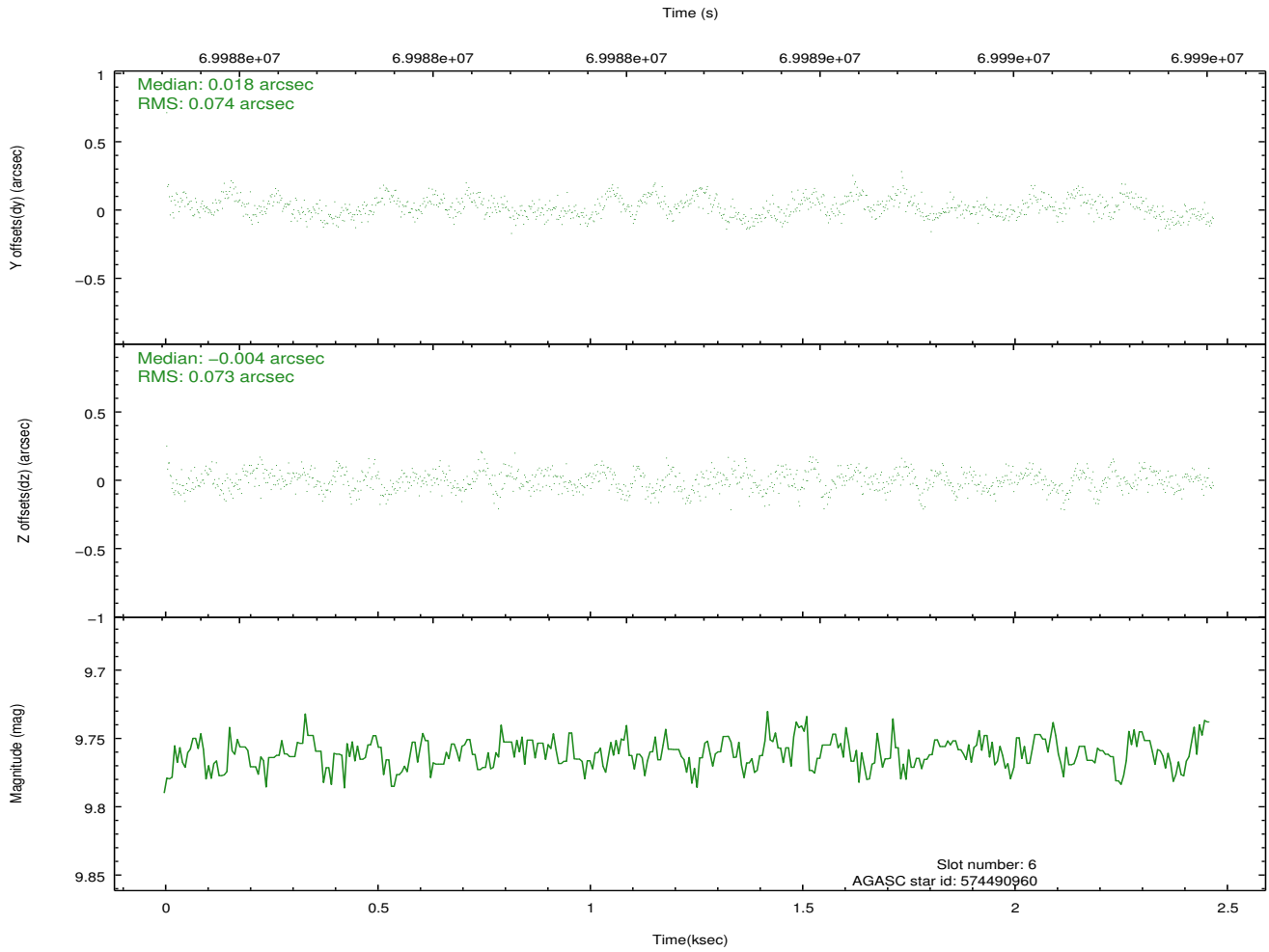
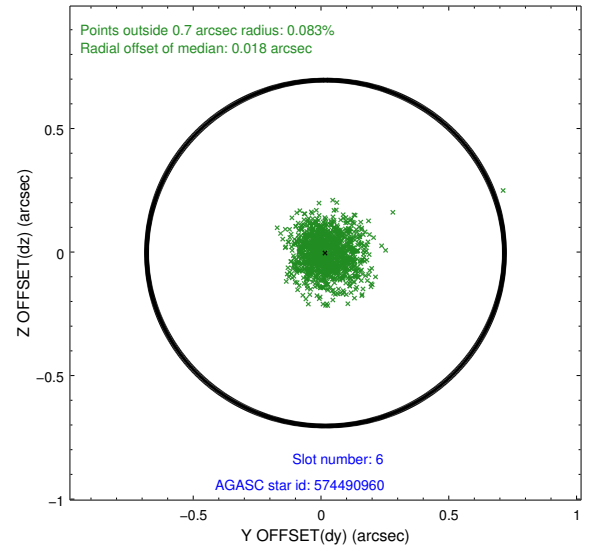
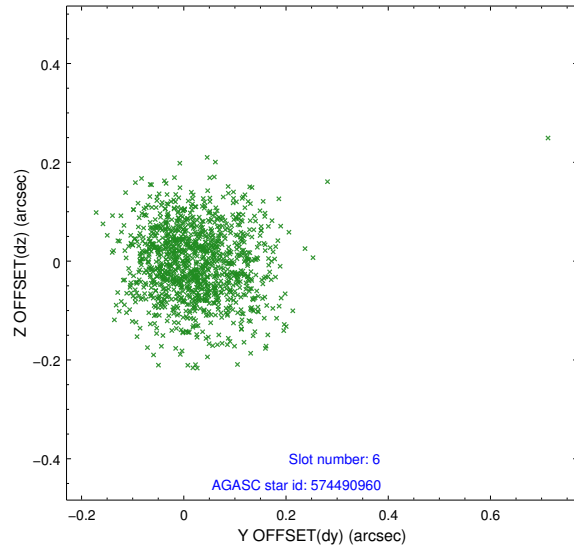
2.4.2 Slot 4



2.4.3 Slot 5

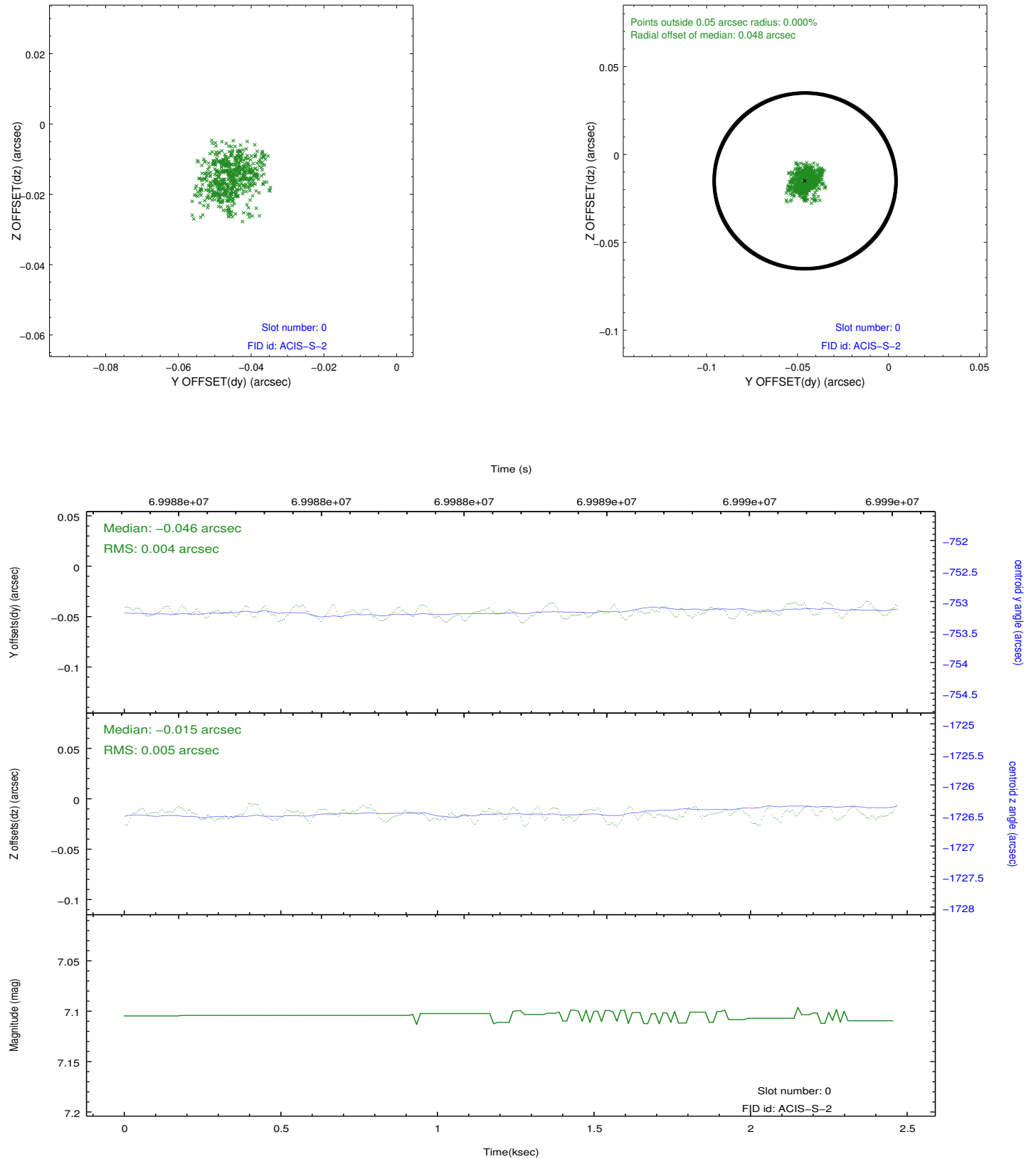


2.4.4 Slot 6

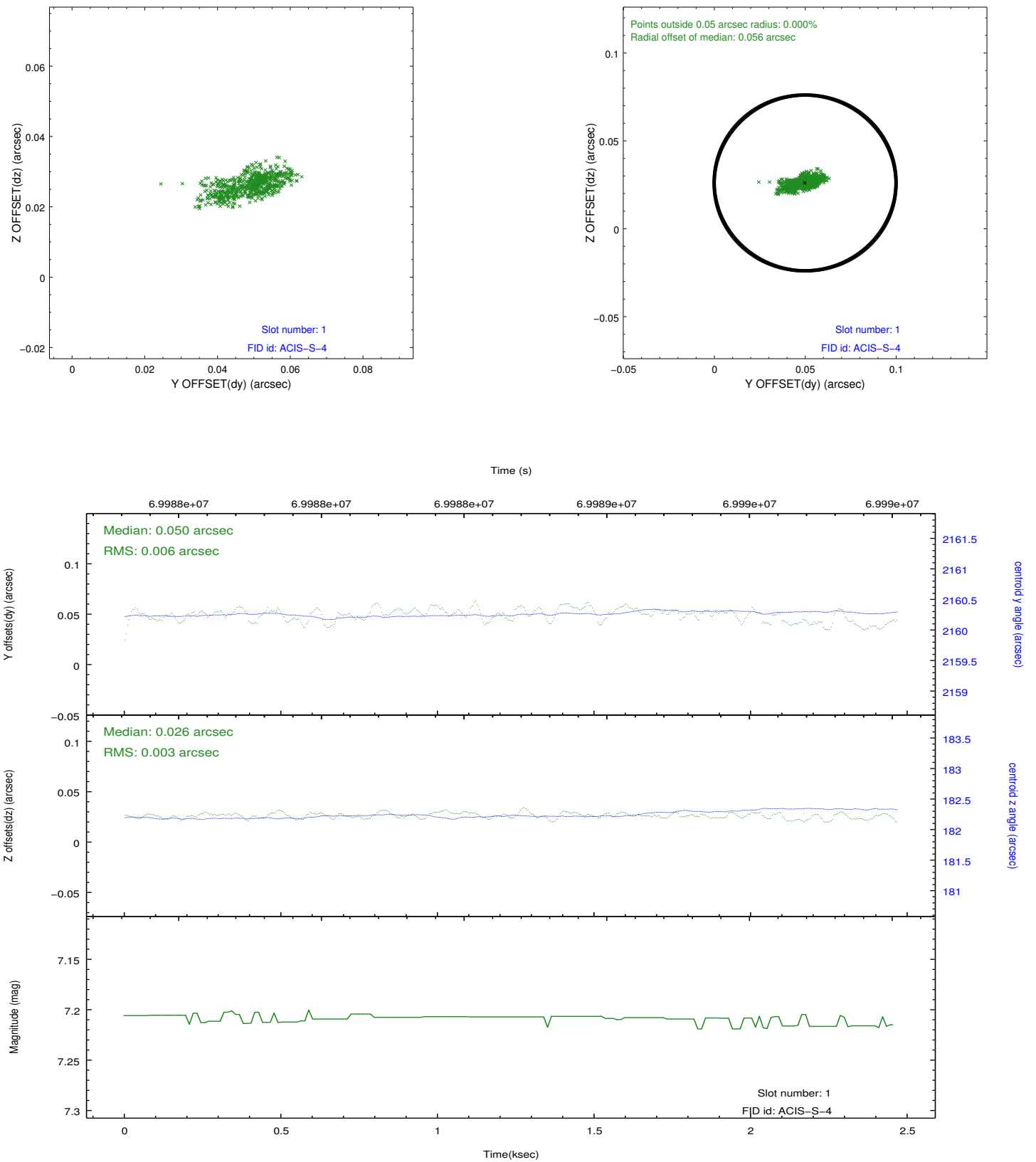


2.5 FID Slots

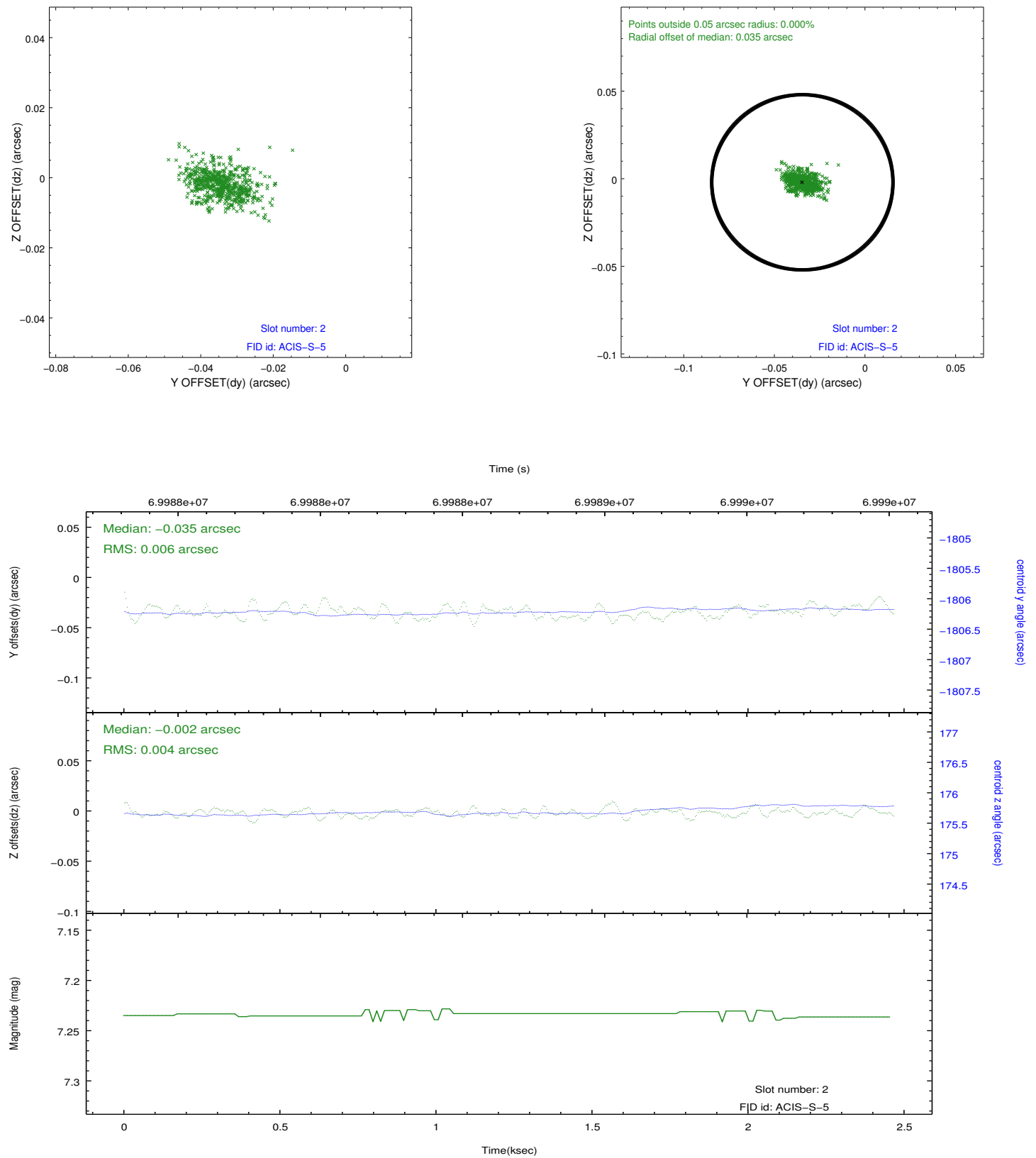
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.409

A.2 Comments