

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4081 - L2 Version 3
Chandra X-Ray Center

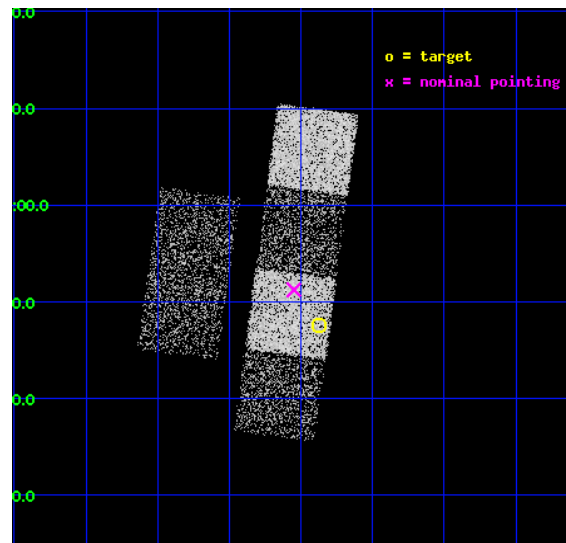
L2 Processing Date : Nov 3 2012

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1 Front

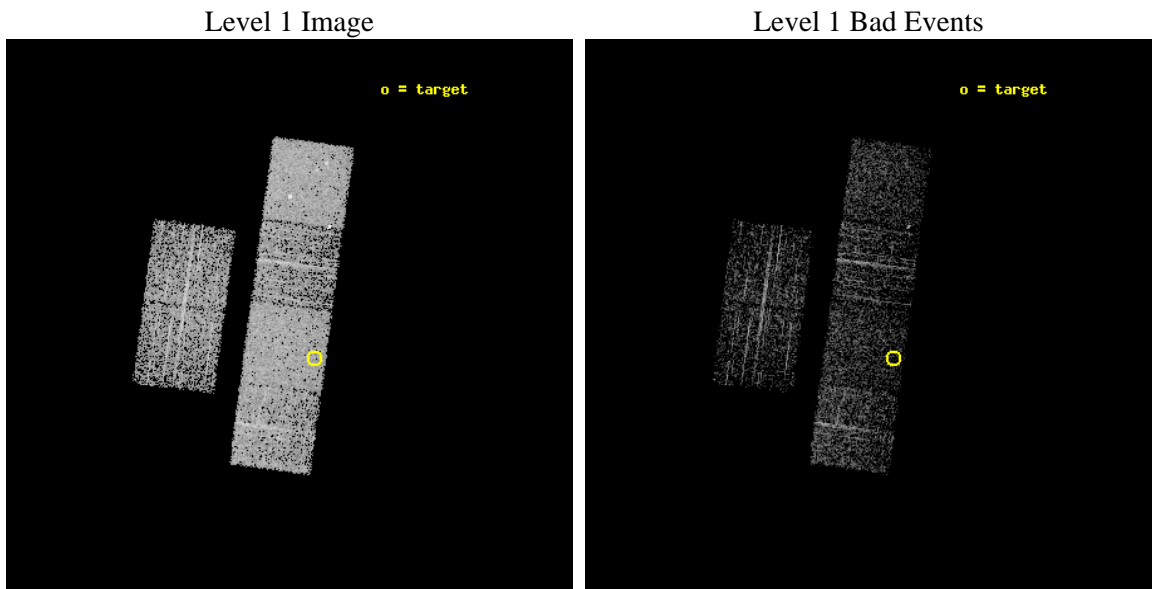
seq_num	700760	Sequence number
obs_id	4081	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J015652.43-001222.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.218333	Observer's specified target RA [deg]
dec_targ	-0.206111	Observer's specified target Dec [deg]
ra_nom	29.26237780146	Nominal RA [deg]
dec_nom	-0.14591600453417	Nominal Dec [deg]
roll_nom	97.685429151118	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1730.9135075212	Sum of GTIs [s]
livetime	1708.9956384579	Livetime [s]
ontime2	1730.9545475245	Sum of GTIs [s]
ontime3	1730.7903875113	Sum of GTIs [s]
ontime5	1730.8724675179	Sum of GTIs [s]
ontime6	1730.8314275146	Sum of GTIs [s]
ontime7	1730.9135075212	Sum of GTIs [s]
ontime8	1724.2673571408	Sum of GTIs [s]
l2events	23045	Number of level 2 events



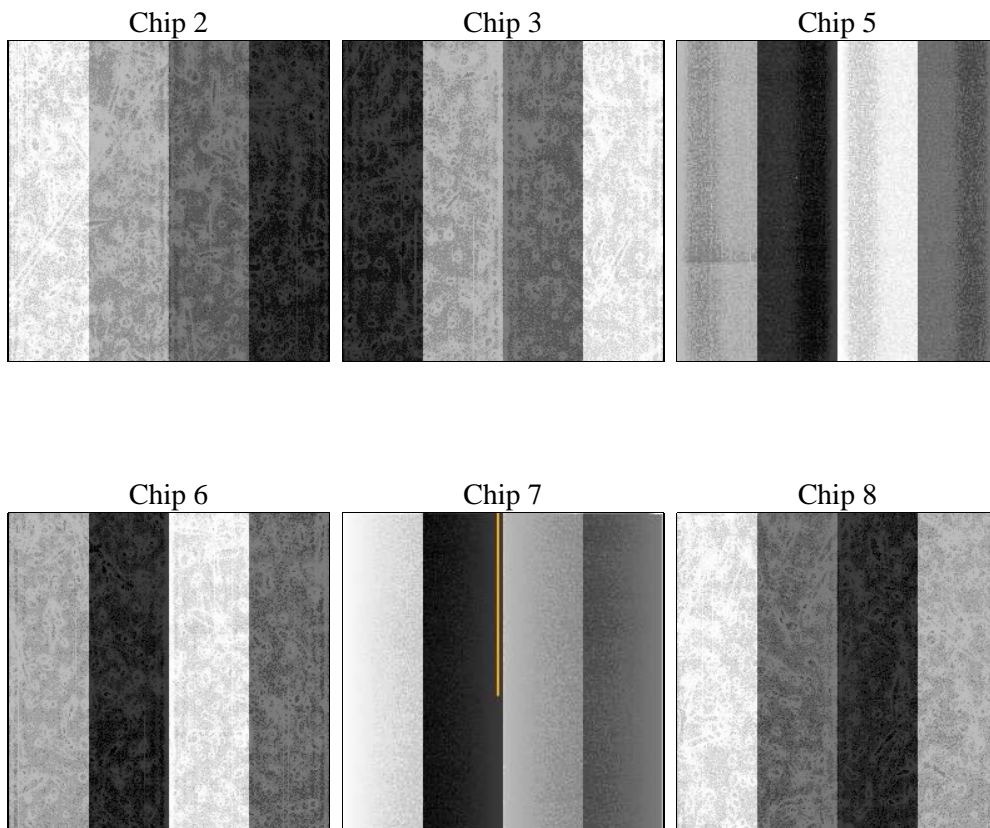
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1979.050000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1730.9135075212	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1730.9545475245	Sum of GTIs [s]
date	2012-11-03T19:26:40	Date and time of file creation	ontime3	1730.7903875113	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1730.8724675179	Sum of GTIs [s]
			ontime6	1730.8314275146	Sum of GTIs [s]
			ontime7	1730.9135075212	Sum of GTIs [s]
			ontime8	1724.2673571408	Sum of GTIs [s]
			l1events	85116	Number of level 1 events

2.1.4 Events

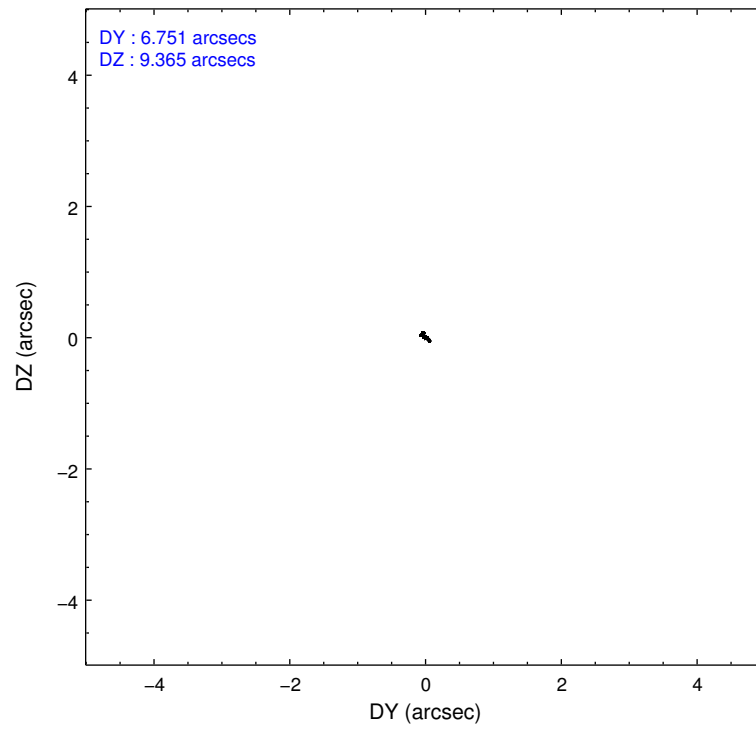
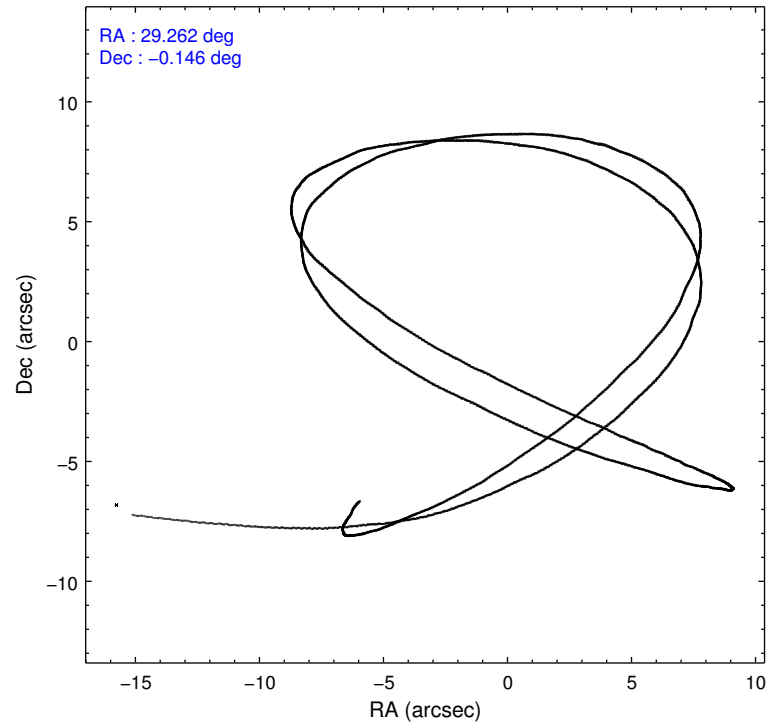
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11682	10647	18861	11577	17122	15227
rejected events	10042	9132	8956	9820	8671	12100
rejected %	85%	85%	47%	84%	50%	79%

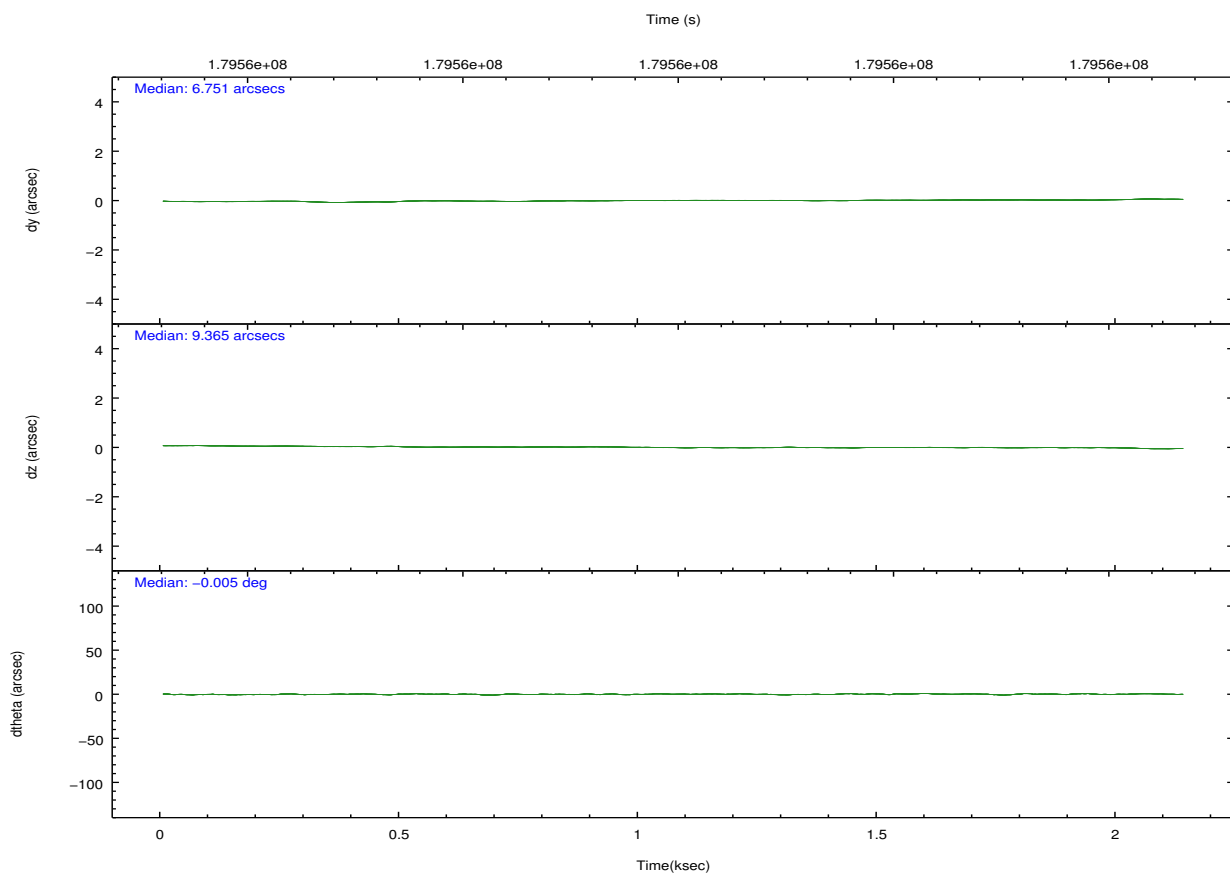
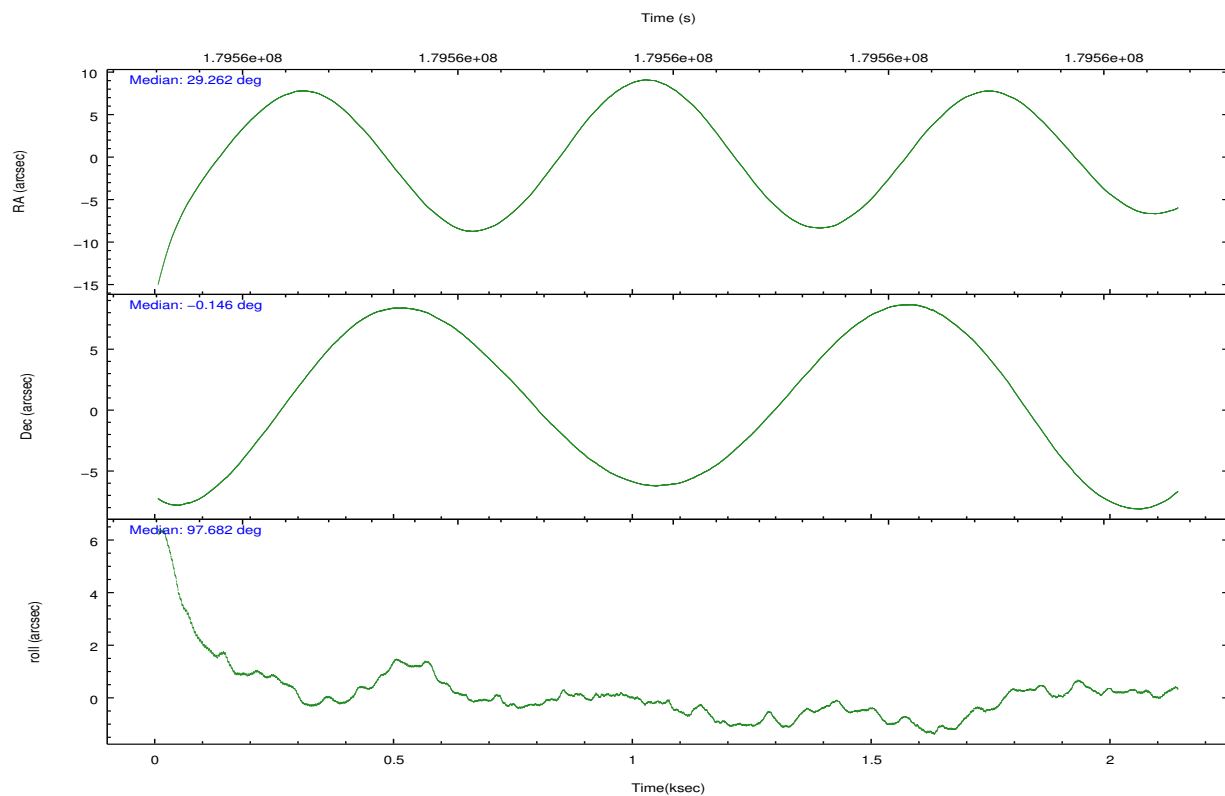
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	774	748	1469	829	818	1198
	6%	7%	7%	7%	4%	7%
grade 1 events	17	6	71	8	13	13
	0%	0%	0%	0%	0%	0%
grade 2 events	335	264	2759	351	1687	606
	2%	2%	14%	3%	9%	3%
grade 3 events	133	138	442	137	710	275
	1%	1%	2%	1%	4%	1%
grade 4 events	156	124	421	145	727	310
	1%	1%	2%	1%	4%	2%
grade 5 events	402	484	1331	474	1394	603
	3%	4%	7%	4%	8%	3%
grade 6 events	247	247	4847	306	4534	759
	2%	2%	25%	2%	26%	4%
grade 7 events	9618	8636	7521	9327	7239	11463
	82%	81%	39%	80%	42%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	29.279423	29.26237780145965	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.167103	-0.1459160045341726	Alternating exposures requested	N	N
[deg] Pointing Roll	97.528811	97.68542915111803	[s] Primary exposure time	0.000000	3.2
[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)	179562580.184000	179561640.26476			
Observation start date	2003-09-10T06:28:36	2003-09-10T06:14:00			
[s] Observation end time (MET)	179564559.184000	179564874.1399			
Observation end date	2003-09-10T07:01:35	2003-09-10T07:07:54			
Read mode	TIMED	TIMED			

2.3 Aspect



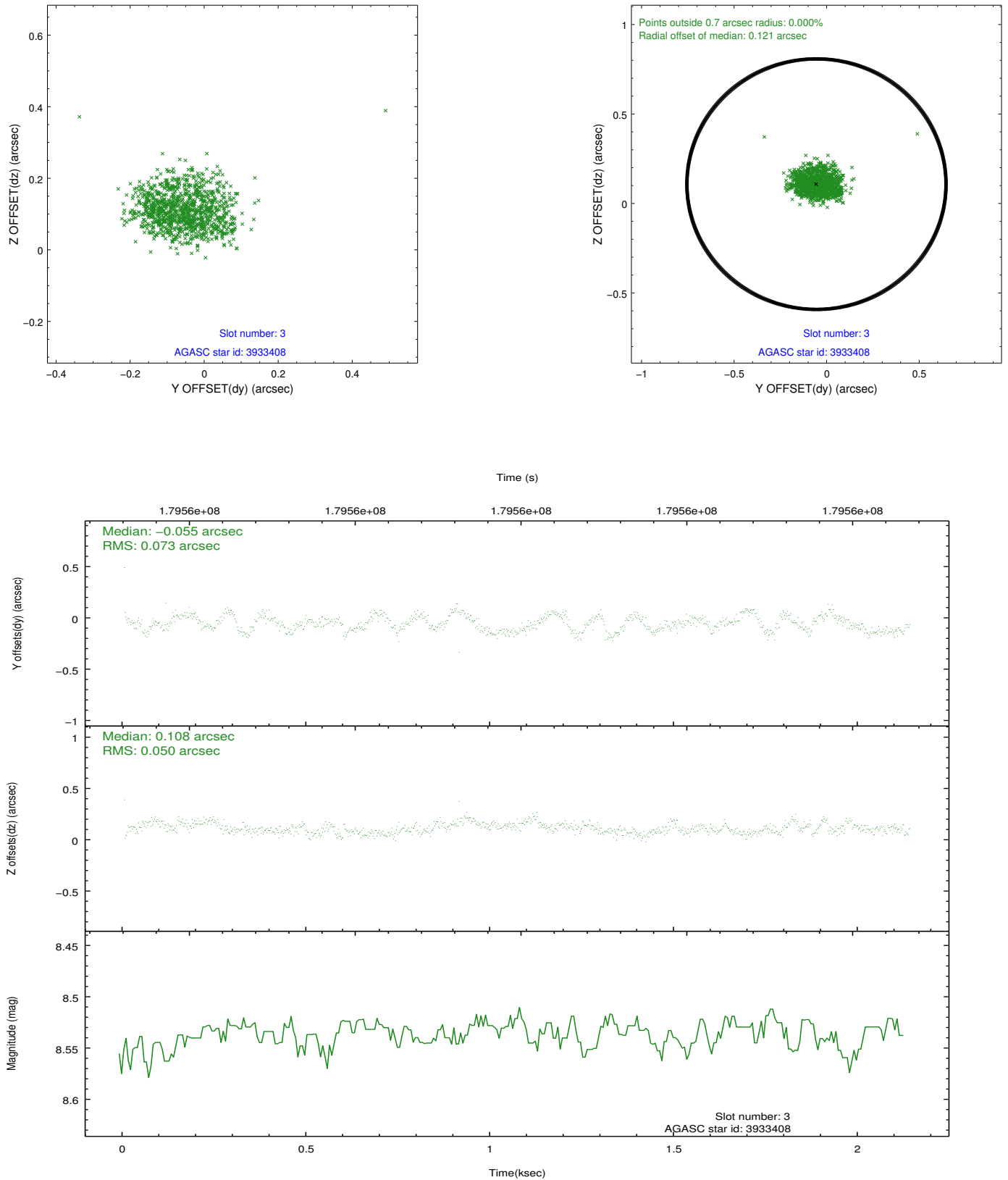


Slot Statistics

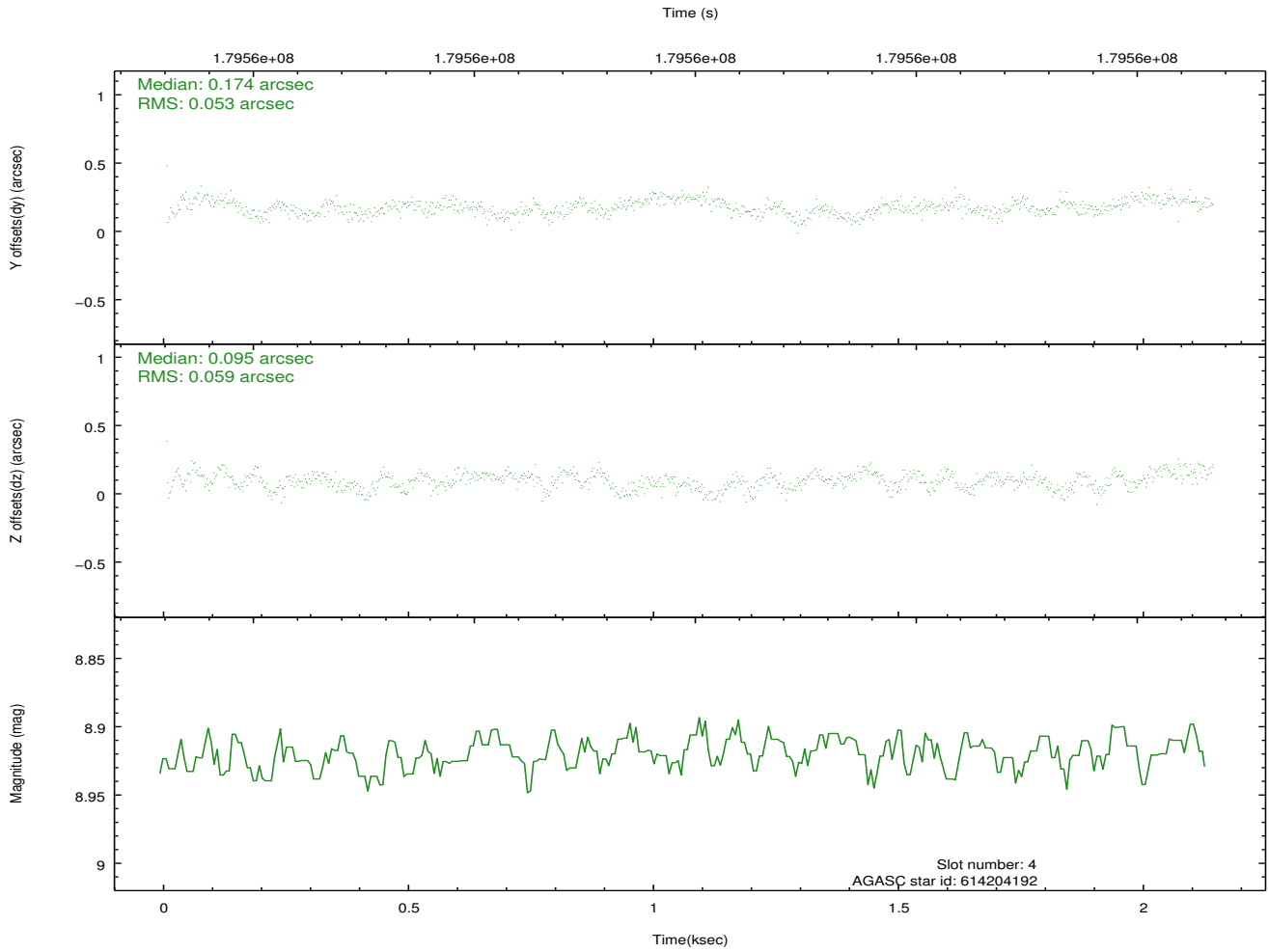
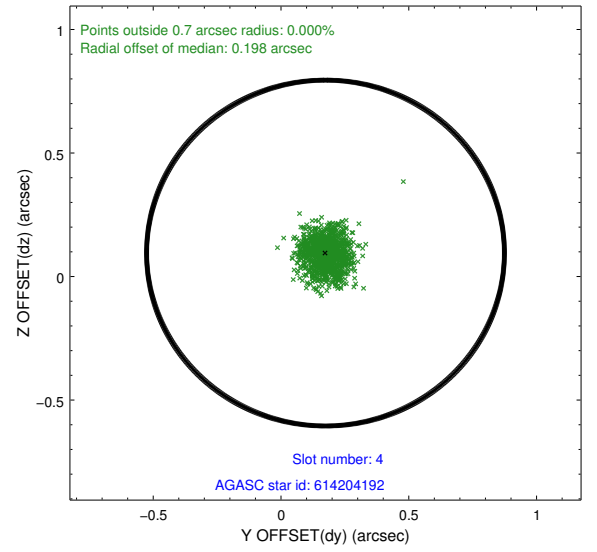
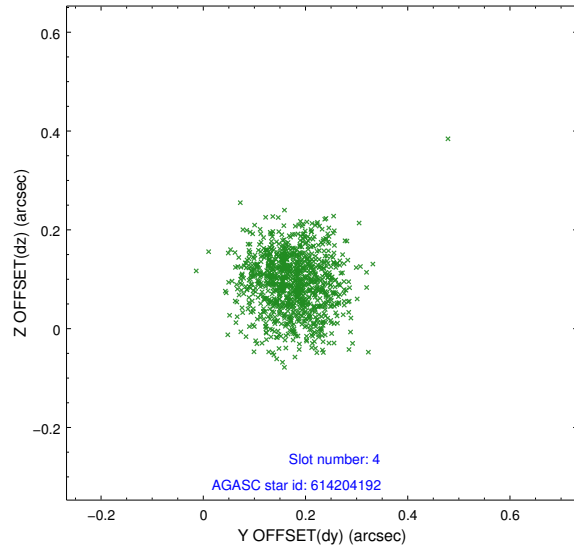
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	521	-0.045	-0.031	0.006	0.010	0.000000	0.000000	-759.52	-1730.64
1	FID	ACIS-S-4	7.21	521	0.070	0.030	0.005	0.008	0.000000	0.000000	2152.47	174.77
2	FID	ACIS-S-5	7.23	521	-0.056	0.011	0.006	0.011	0.000000	0.000000	-1808.46	171.86
3	GUIDE	3933408	8.54	1043	-0.055	0.108	0.093	0.143	29.793077	0.506917	2164.26	-2151.10
4	GUIDE	614204192	8.92	1043	0.174	0.095	0.084	0.135	29.866026	-0.253029	-580.61	-2055.20
5	GUIDE	614204216	8.40	1043	-0.051	-0.199	0.056	0.092	29.234942	-0.240997	-242.55	191.26
6	GUIDE	614205400	9.71	1043	0.195	-0.059	0.104	0.169	29.530659	-0.419662	-1019.59	-777.62
7	GUIDE	614209352	9.75	1042	-0.265	0.063	0.102	0.166	29.955379	-0.724968	-2310.28	-2150.24

2.4 Star Slots

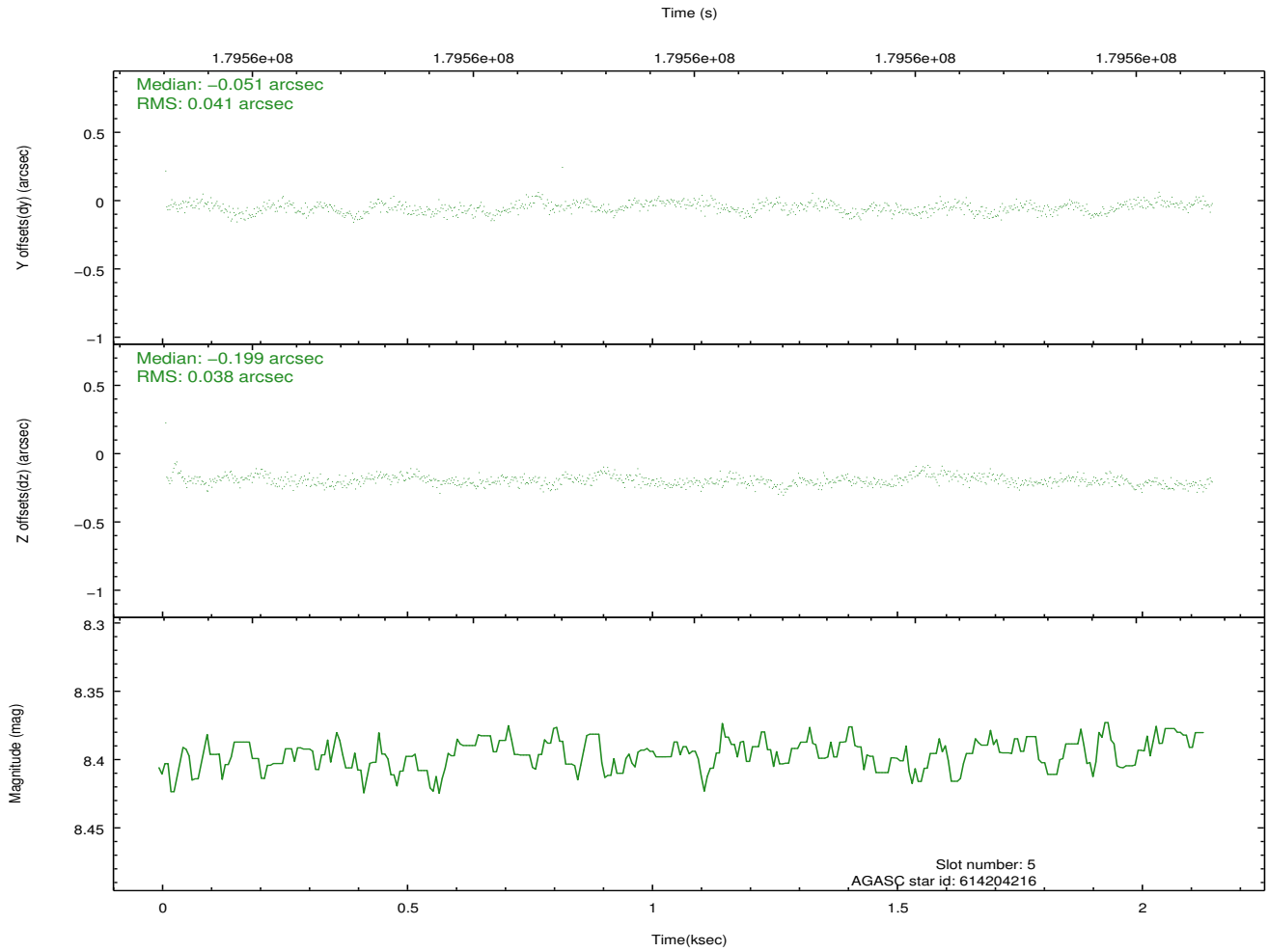
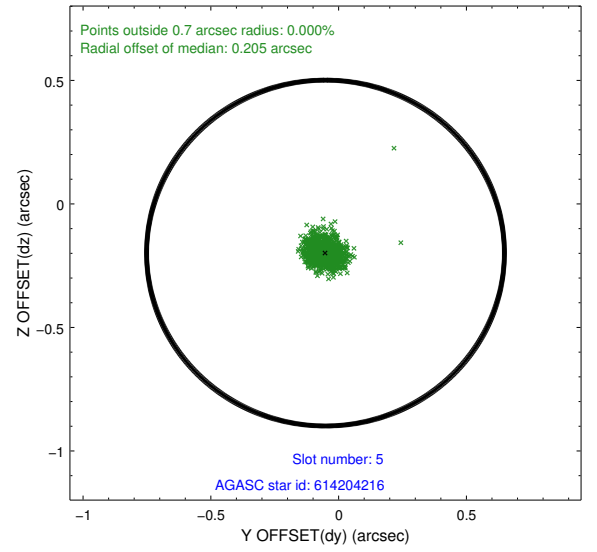
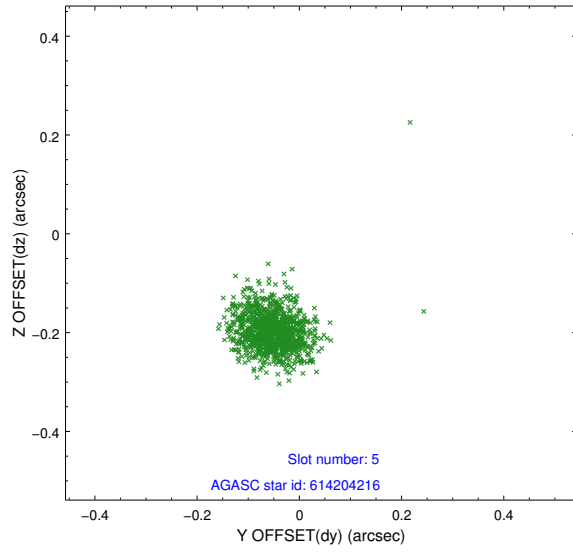
2.4.1 Slot 3



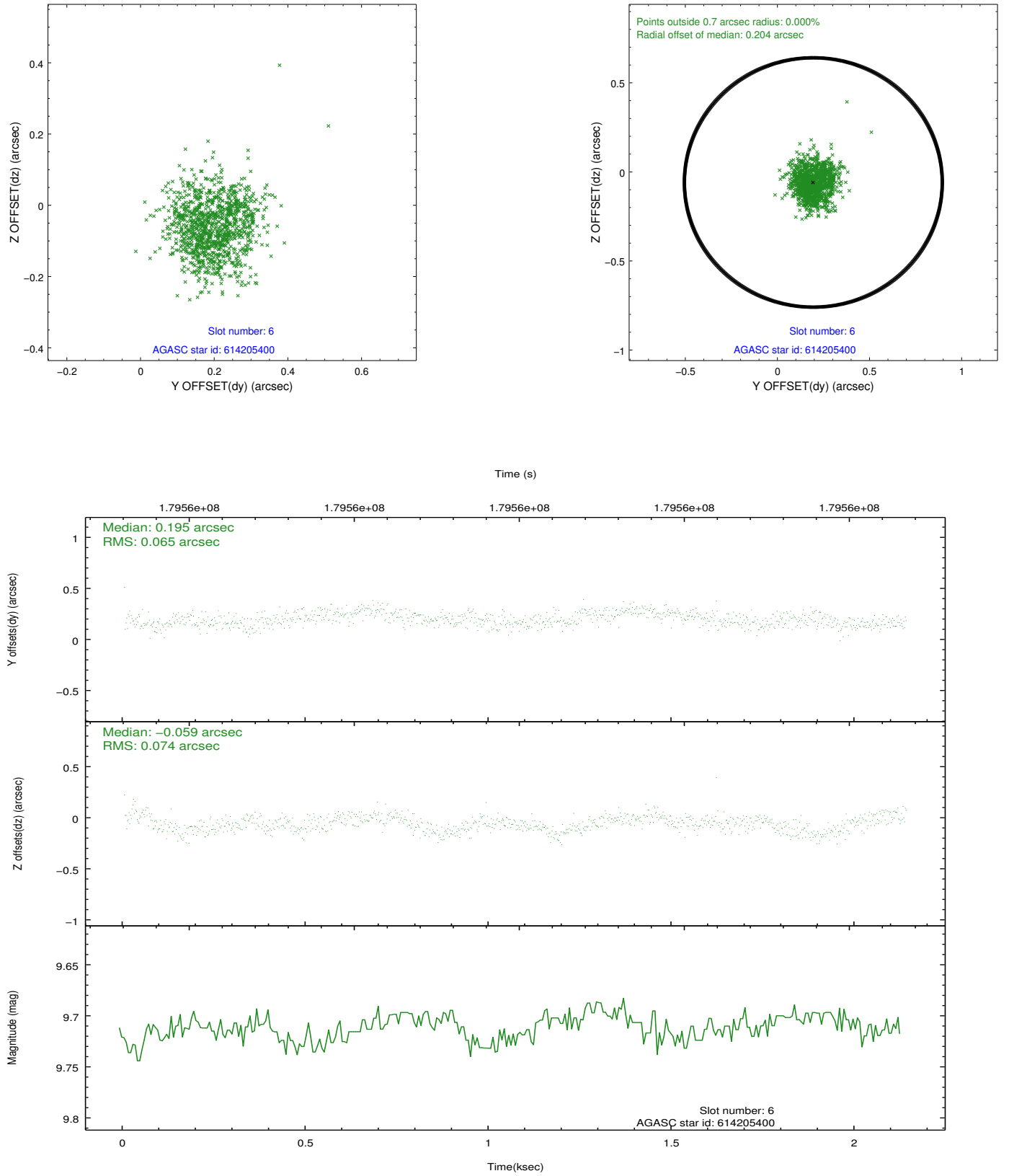
2.4.2 Slot 4



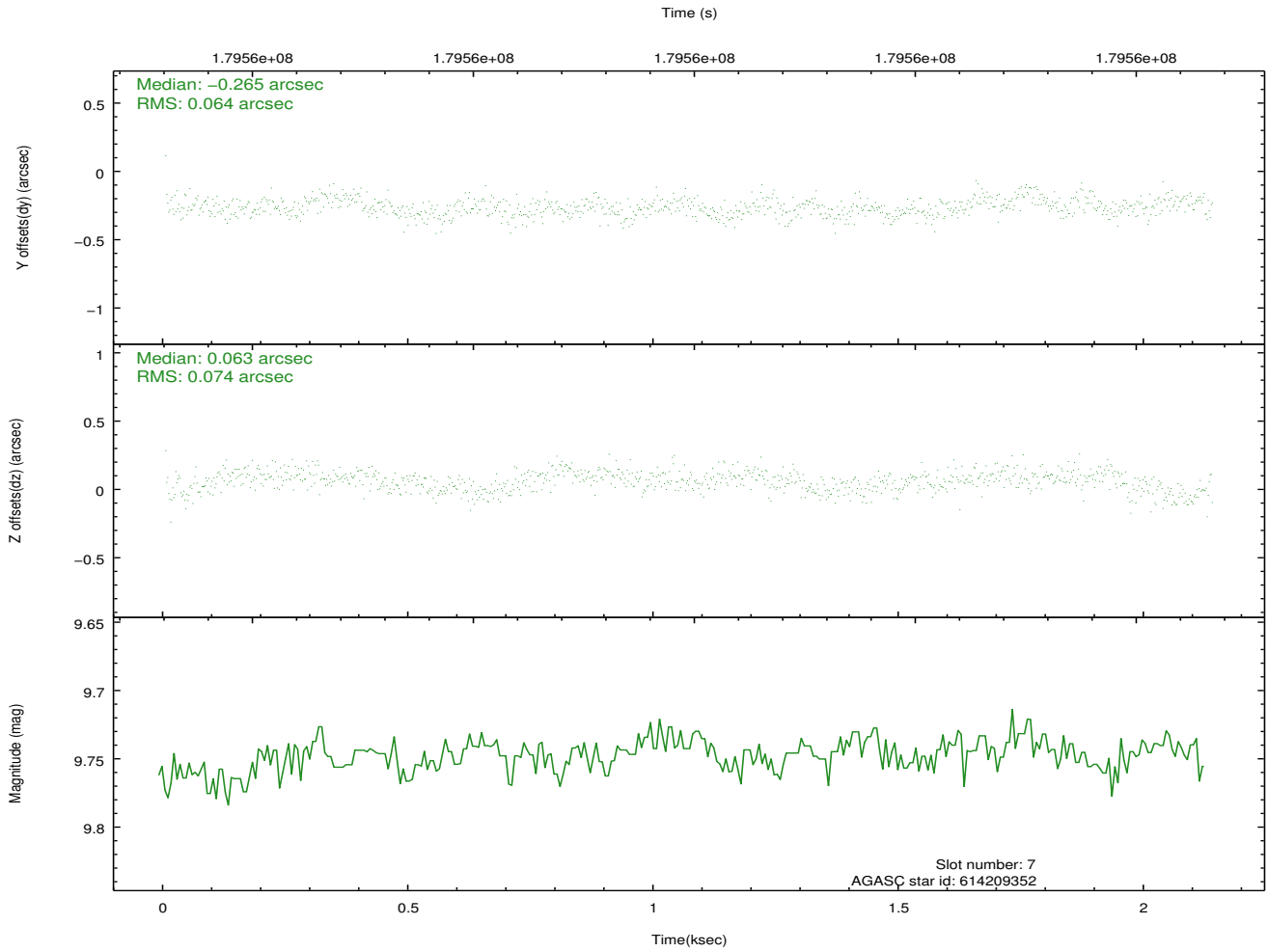
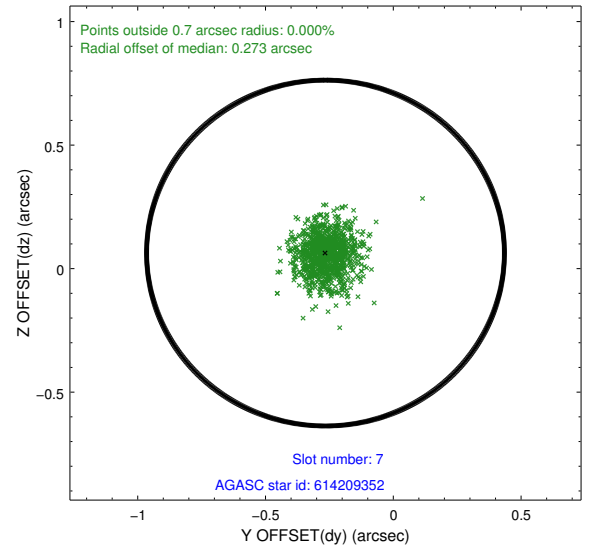
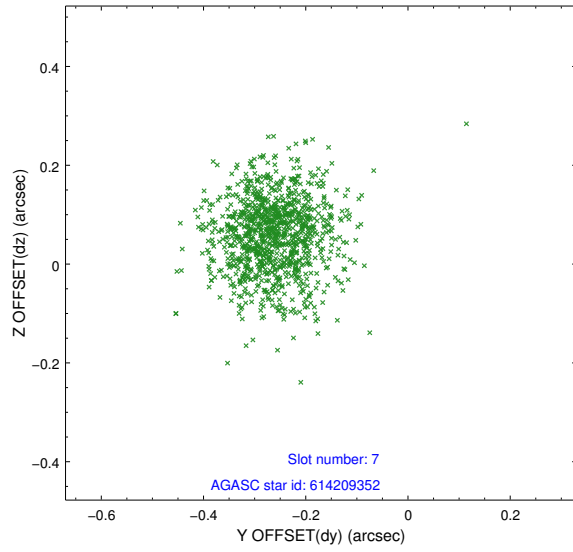
2.4.3 Slot 5



2.4.4 Slot 6

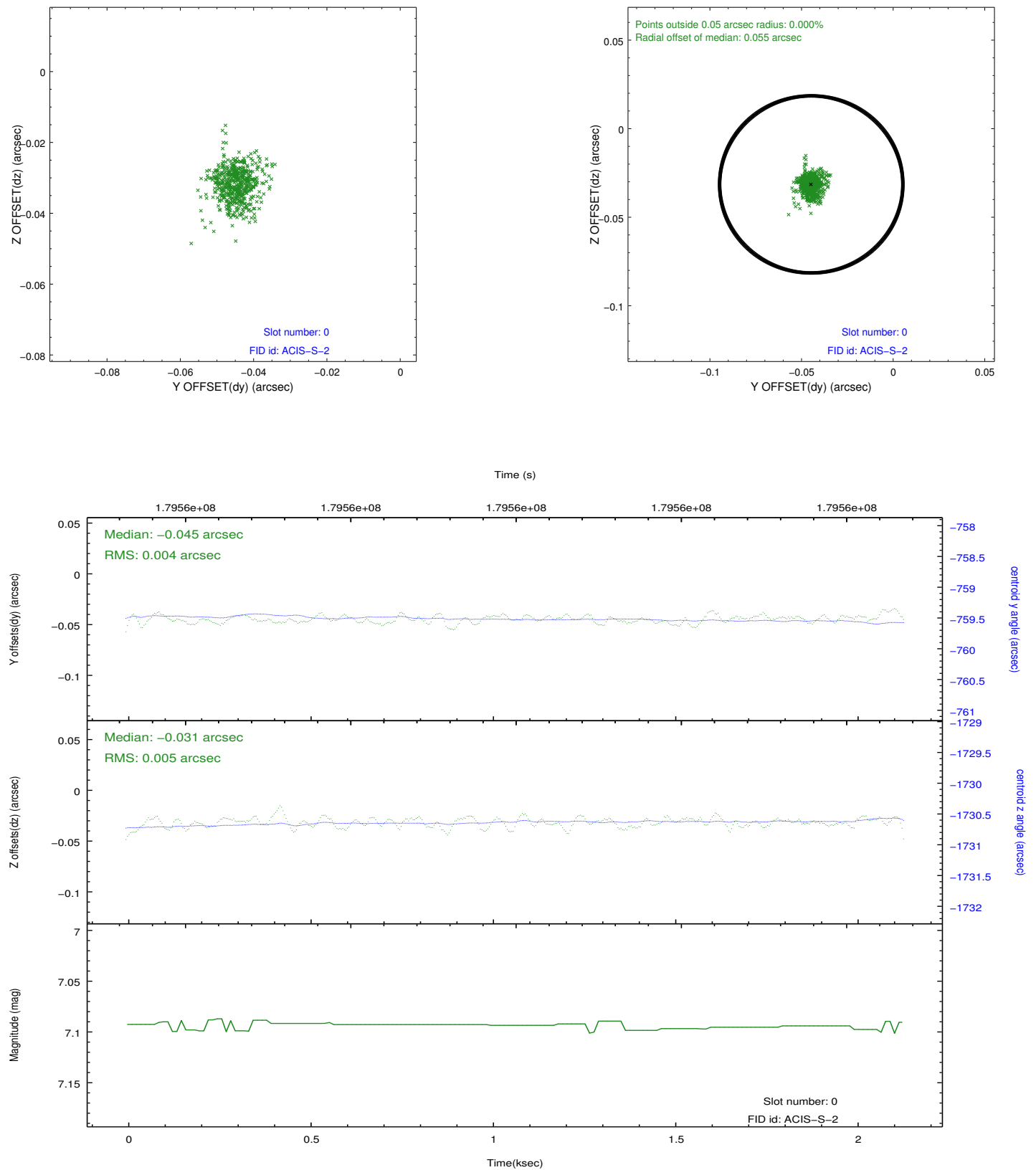


2.4.5 Slot 7

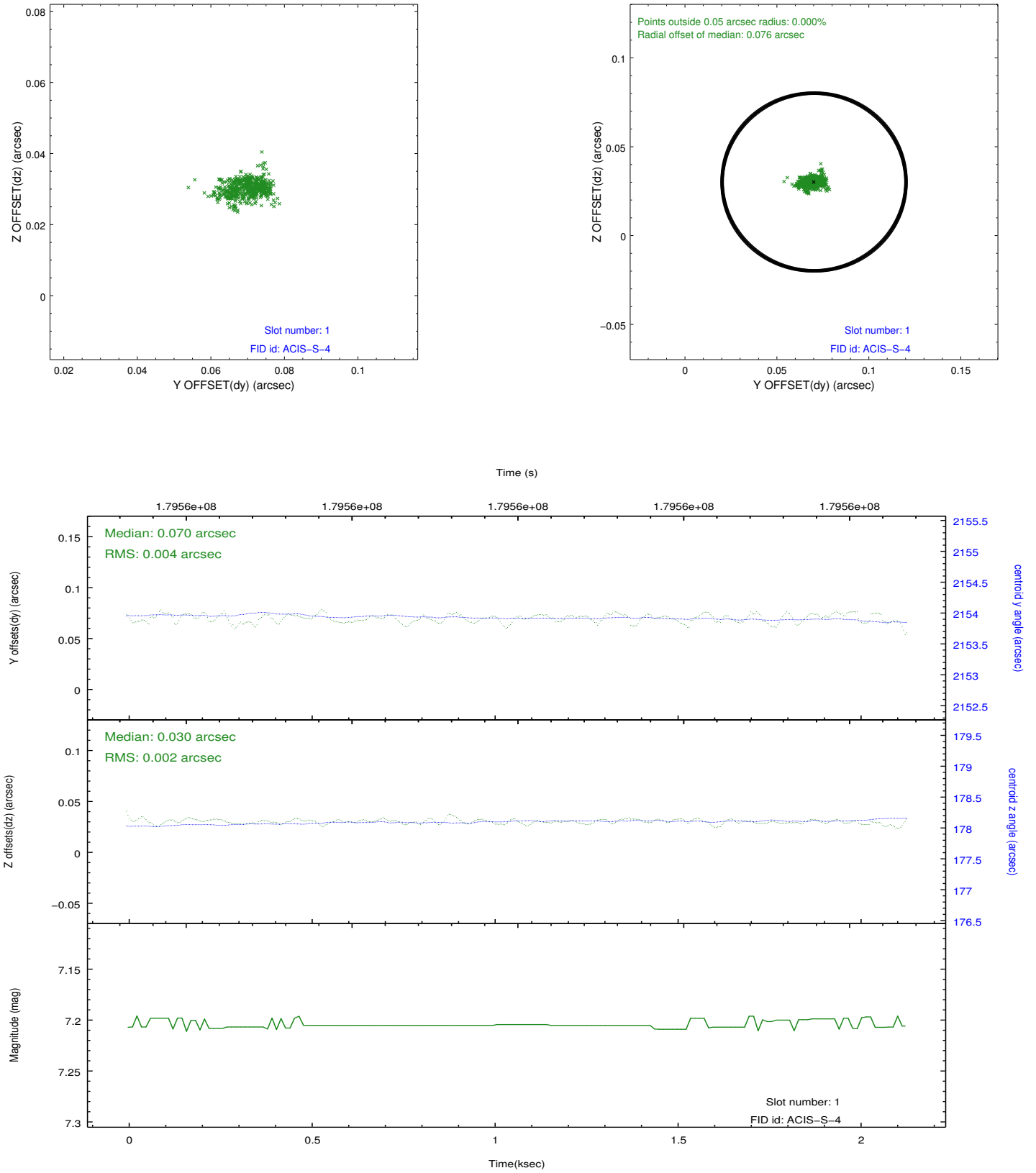


2.5 FID Slots

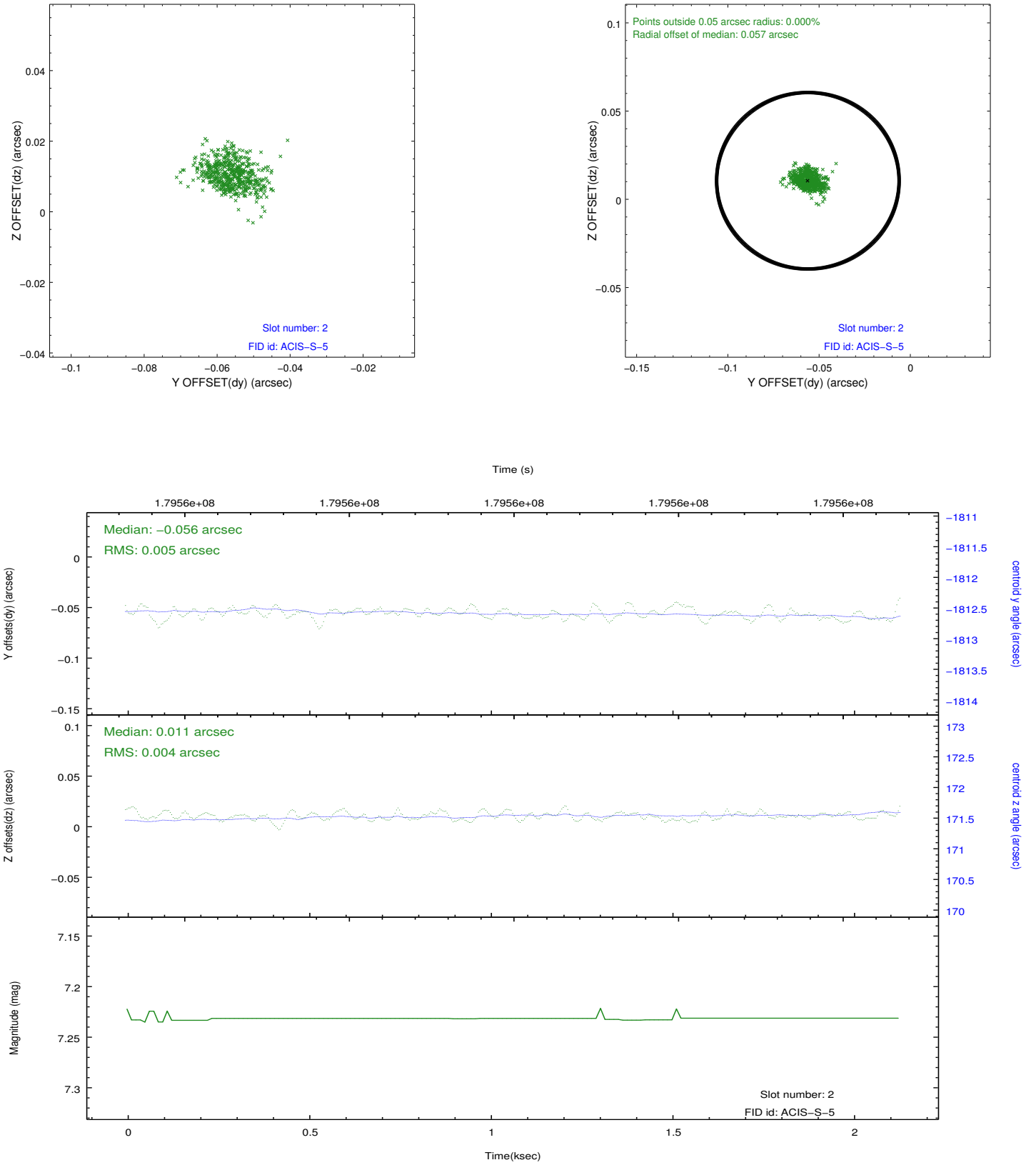
2.5.1 Slot 0



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)	2012.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.731

A.2 Comments