

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 815 - L2 Version 4

Chandra X-Ray Center

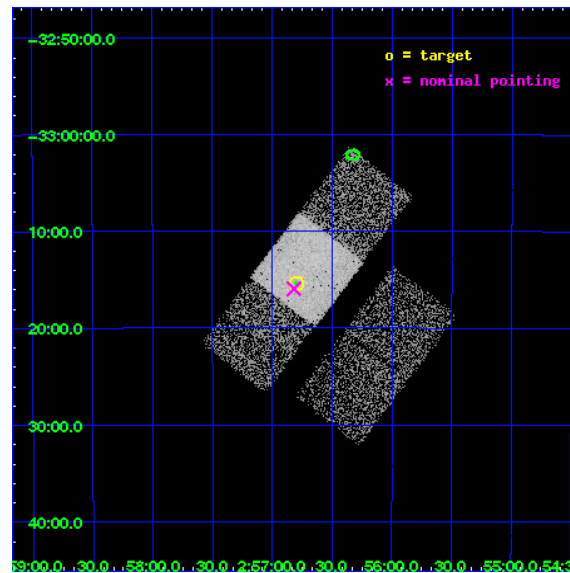
L2 Processing Date : Nov 29 2009

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1 Front

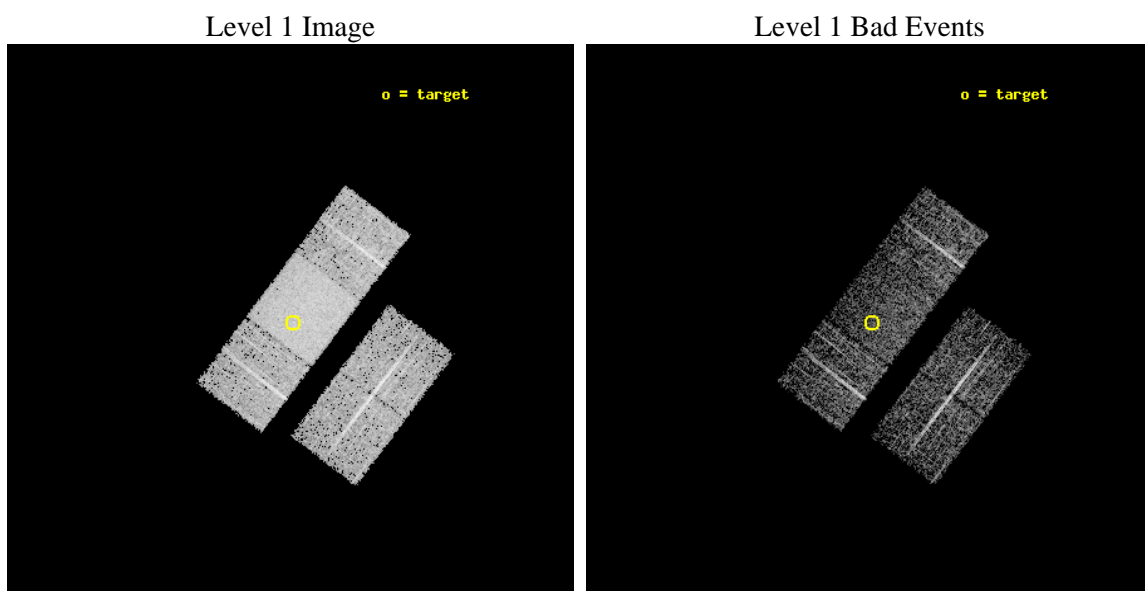
seq_num	700120	Sequence number
obs_id	815	Observation id
title	LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QSOS: AN AXAF SURVEY	
observer	Dr. Paul Green	Principal investigator
object	Q0254-334	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	44.19938	Observer's specified target RA
dec_targ	-33.2568	Observer's specified target Dec
ra_nom	44.204814409537	Nominal RA
dec_nom	-33.265977067515	Nominal Dec
roll_nom	307.23191640723	Nominal Roll
revision	4	Processing version of data
ontime	2467.2000022978	Sum of GTIs [s]
livetime	2435.9588302992	Livetime [s]
ontime2	2467.1680114716	Sum of GTIs [s]
ontime3	2467.0859314725	Sum of GTIs [s]
ontime6	2467.1269714758	Sum of GTIs [s]
ontime7	2467.2000022978	Sum of GTIs [s]
ontime8	2467.0448914766	Sum of GTIs [s]
l2events	33114	Number of level 2 events



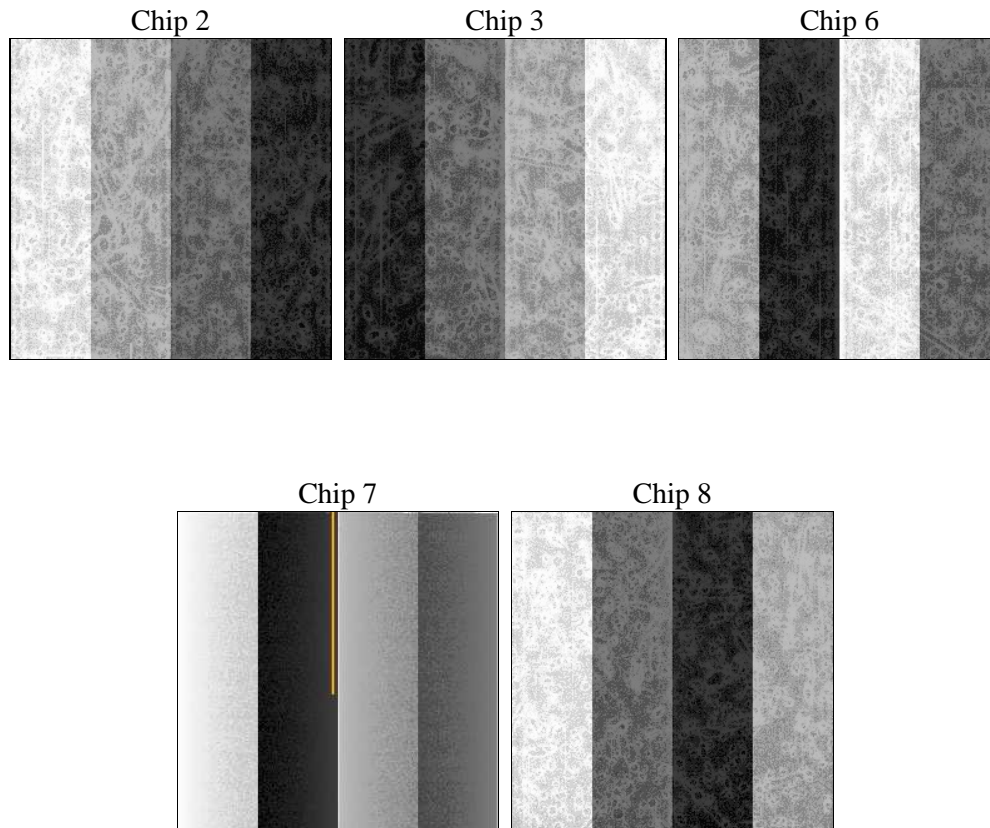
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3300.000000	Scheduled observation exposure time
ascdsver	8.1.1	ASCDS version number	ontime	2467.2000022978	Sum of GTIs [s]
caldsver	4.1.4	 	ontime2	2467.1680114716	Sum of GTIs [s]
date	2009-11-29T22:09:33	Date and time of file creation	ontime3	2467.0859314725	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2467.1269714758	Sum of GTIs [s]
			ontime7	2467.2000022978	Sum of GTIs [s]
			ontime8	2467.0448914766	Sum of GTIs [s]
			l1events	129567	Number of level 1 events

2.1.4 Events

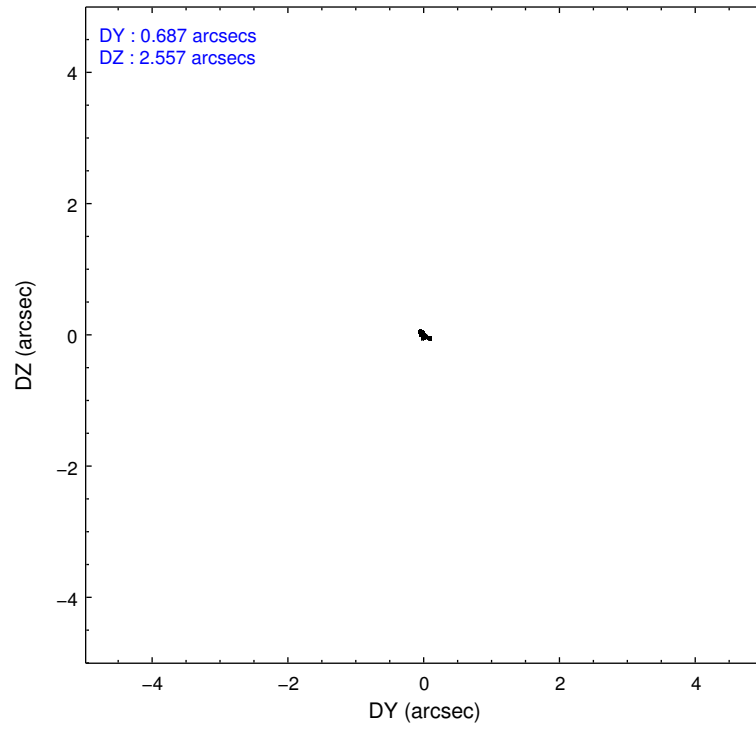
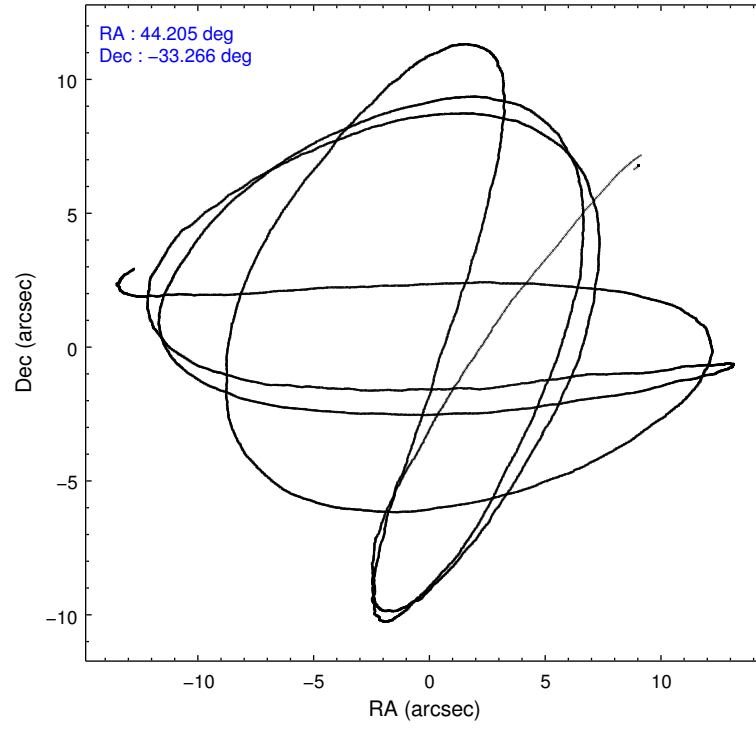
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	20390	20942	22527	39638	26070
rejected events	18183	18679	19588	15993	20725
rejected %	89%	89%	86%	40%	79%

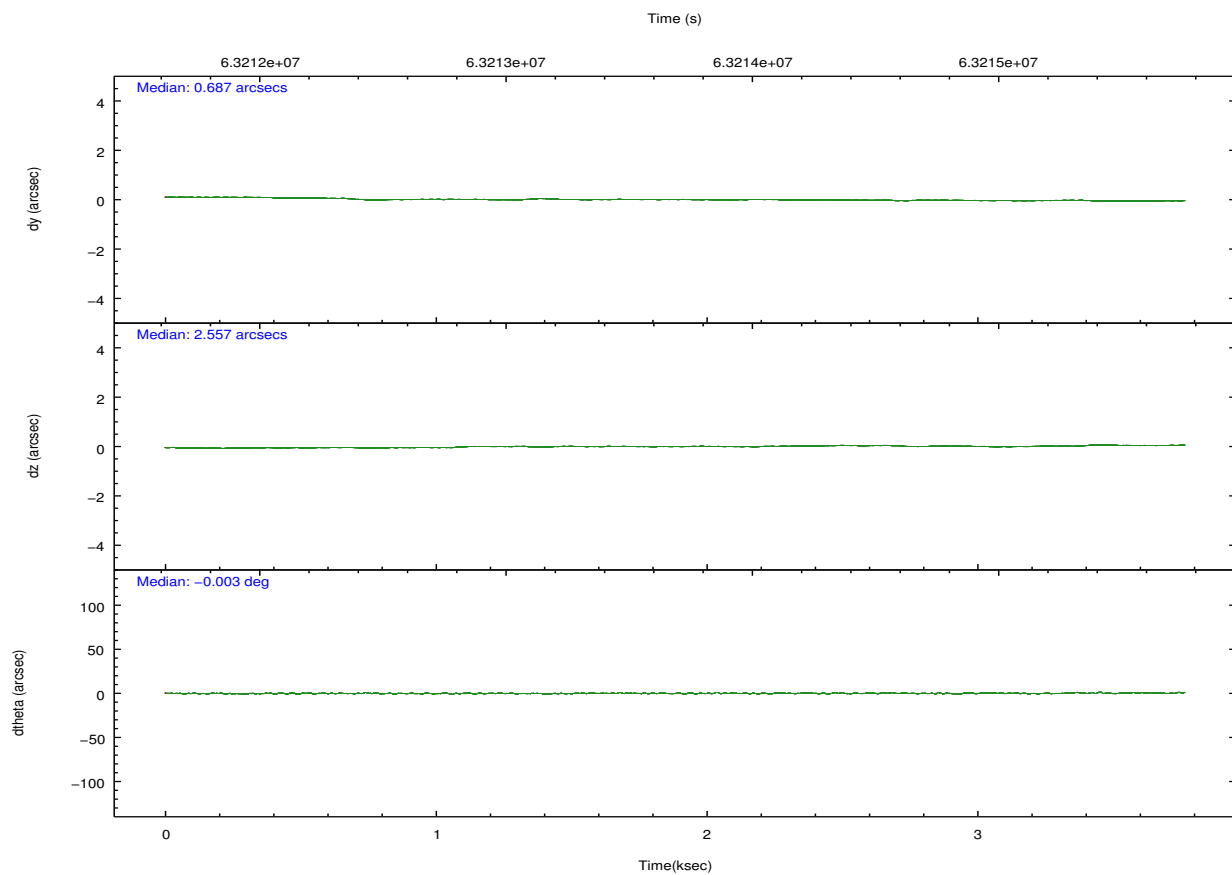
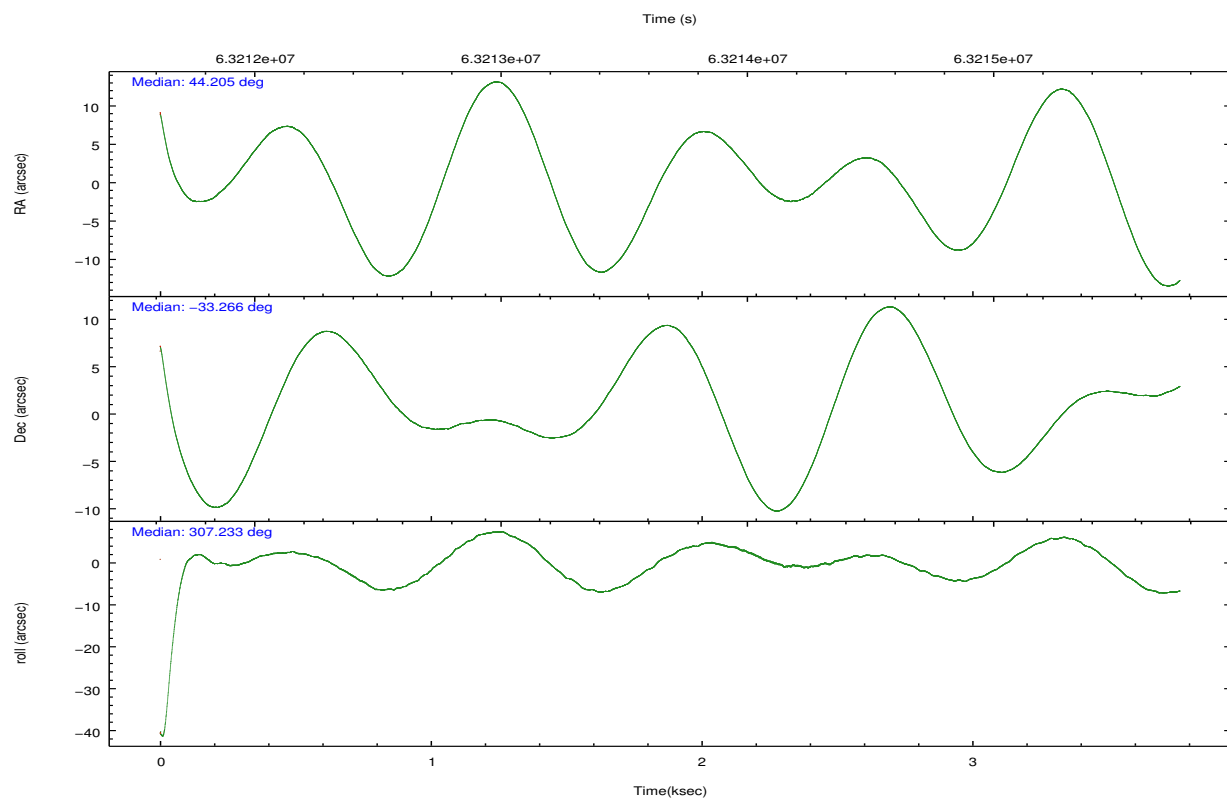
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	503	525	773	2225	1509
	2%	2%	3%	5%	5%
grade 1 events	2	3	6	9	5
	0%	0%	0%	0%	0%
grade 2 events	993	992	1340	4554	1752
	4%	4%	5%	11%	6%
grade 3 events	135	151	127	1551	397
	0%	0%	0%	3%	1%
grade 4 events	97	112	133	1363	412
	0%	0%	0%	3%	1%
grade 5 events	338	423	453	1459	572
	1%	2%	2%	3%	2%
grade 6 events	483	485	577	13977	1287
	2%	2%	2%	35%	4%
grade 7 events	17839	18251	19118	14500	20136
	87%	87%	84%	36%	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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
Pointing RA	44.174457	44.20481440953665	Subarray requested	NONE	NONE
Pointing Dec	-33.255205	-33.26597706751491	Alternating exposures requested	N	N
Pointing Roll	307.058815	307.2319164072265	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	63212269.184000	63211078.627928			
Observation start date	2000-01-02T14:56:45	2000-01-02T14:37:58			
Observation end time	63215569.184000	63215985.303105			
Observation end date	2000-01-02T15:51:45	2000-01-02T15:59:45			
Read mode	TIMED	TIMED			

2.3 Aspect



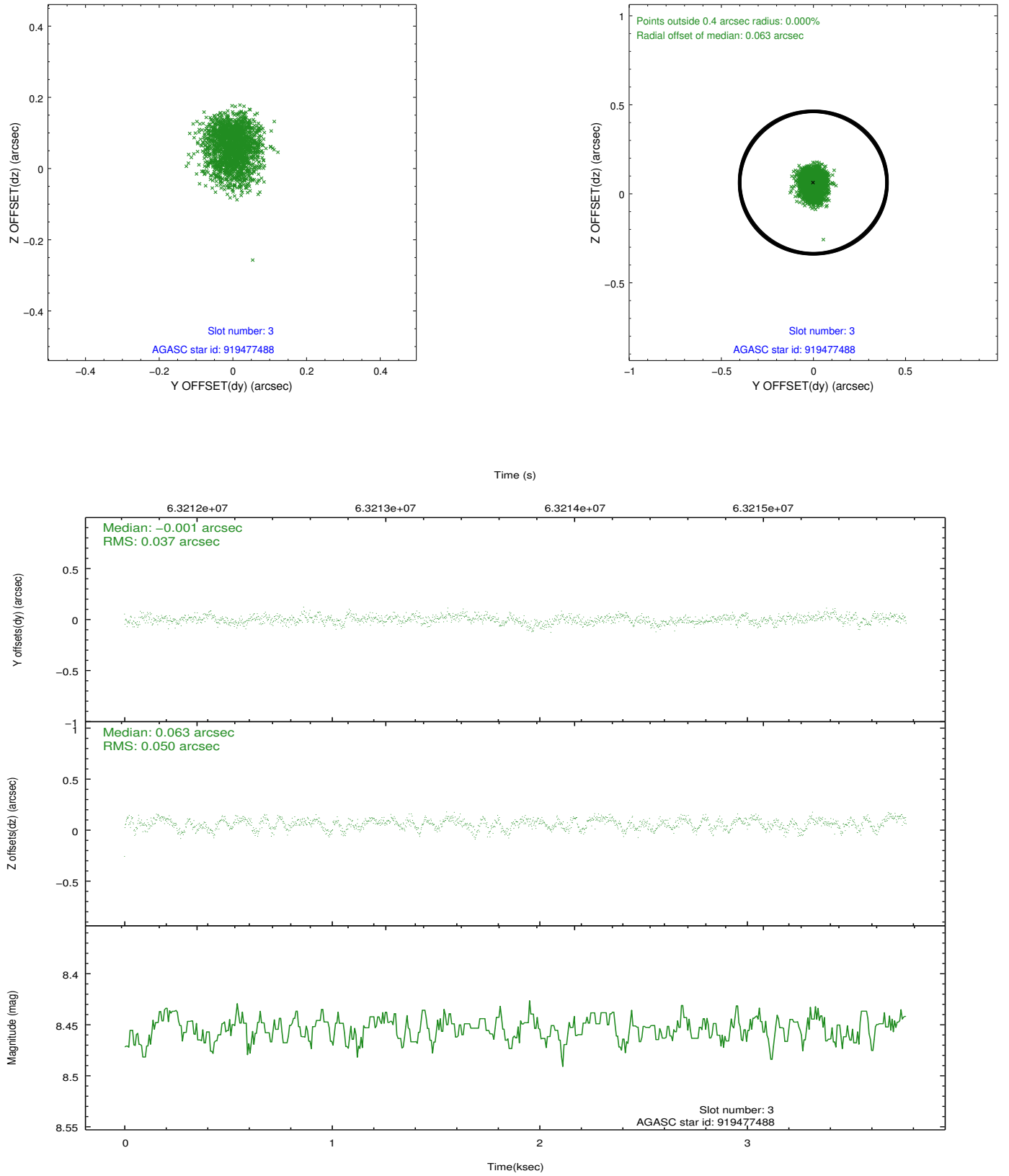


Slot Statistics

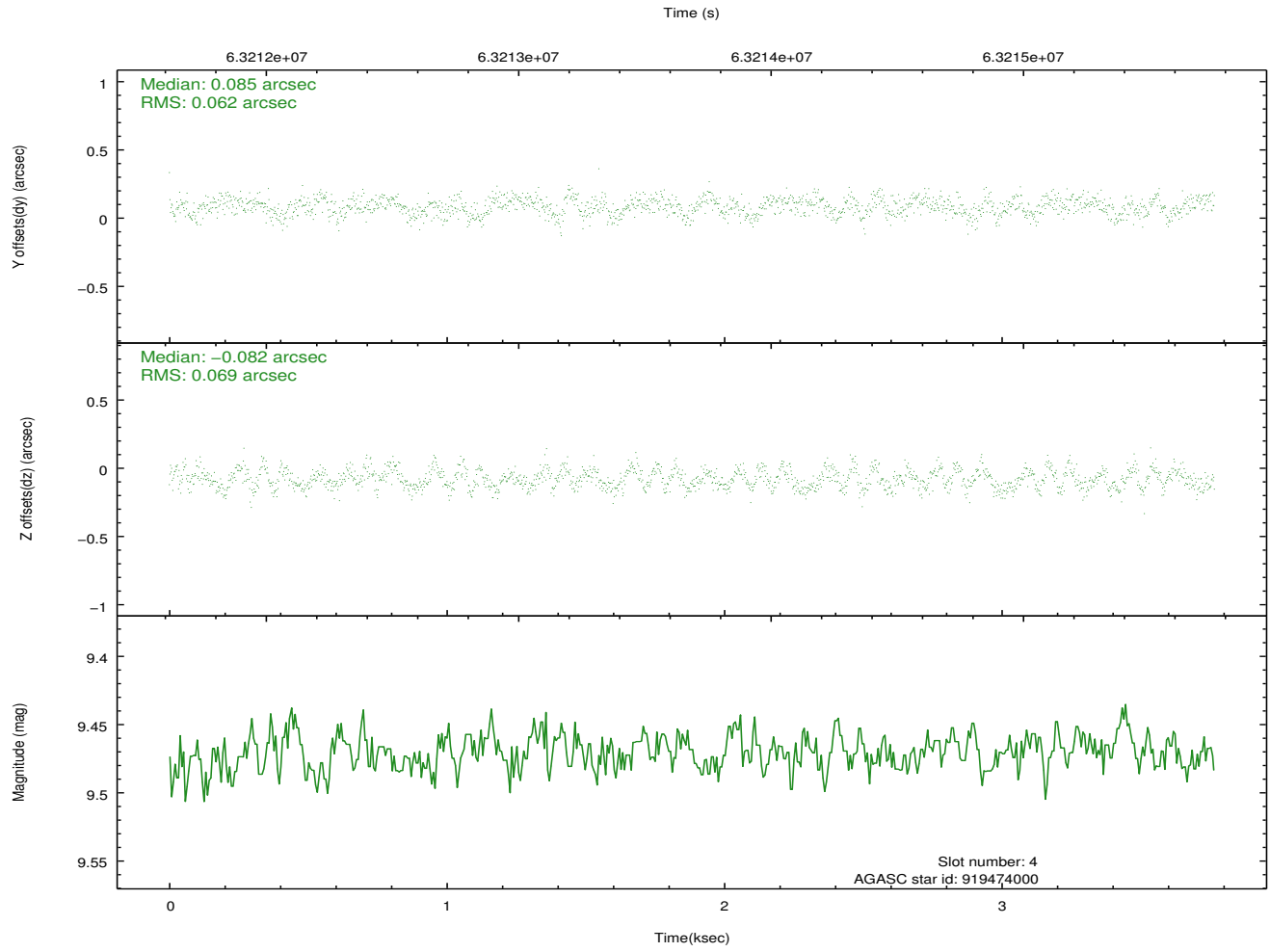
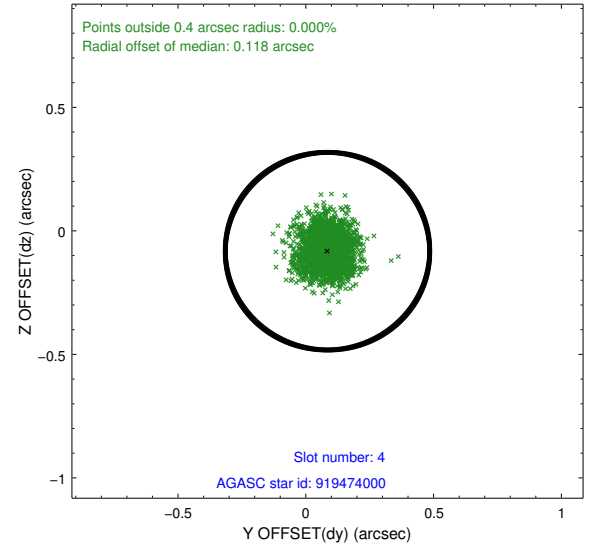
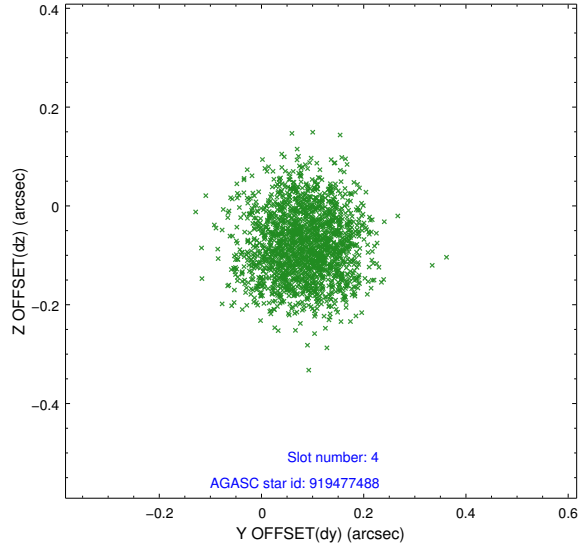
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1837	-0.004	-0.001	0.006	0.011	0.000000	0.000000	-753.32	-1723.47
1	FID	ACIS-S-4	7.22	1838	0.013	0.003	0.007	0.012	0.000000	0.000000	2159.68	184.16
2	FID	ACIS-S-5	7.24	1838	-0.040	0.008	0.007	0.012	0.000000	0.000000	-1805.18	178.80
3	GUIDE	919477488	8.45	1838	-0.001	0.063	0.066	0.107	44.579878	-33.151190	439.41	1199.90
4	GUIDE	919474000	9.47	1835	0.085	-0.082	0.100	0.154	44.284231	-33.847665	1900.24	-1022.51
5	GUIDE	919470096	9.95	1838	-0.084	0.019	0.114	0.179	44.040392	-32.664133	-1941.83	957.93
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

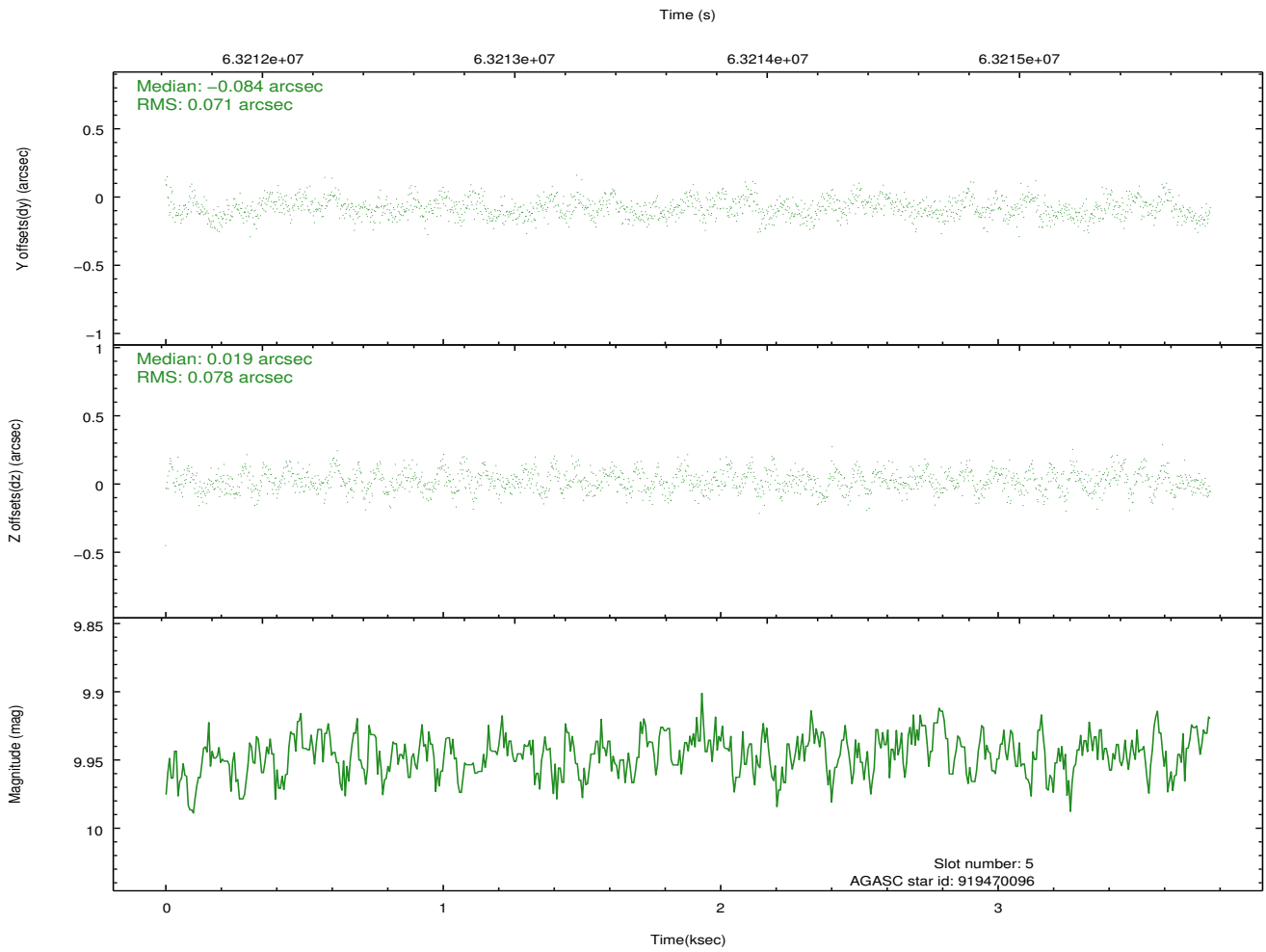
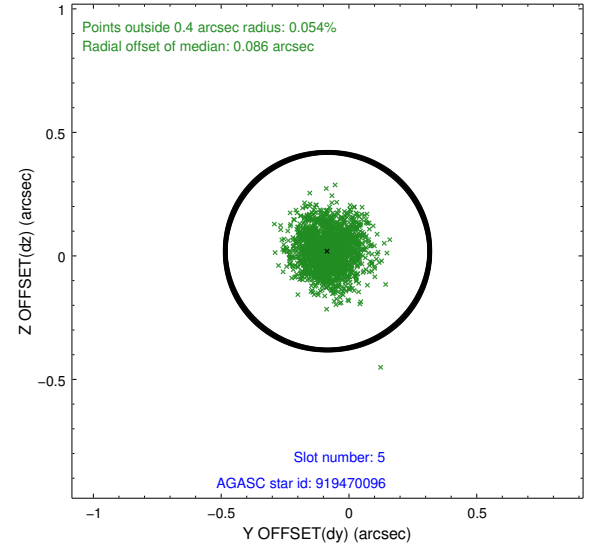
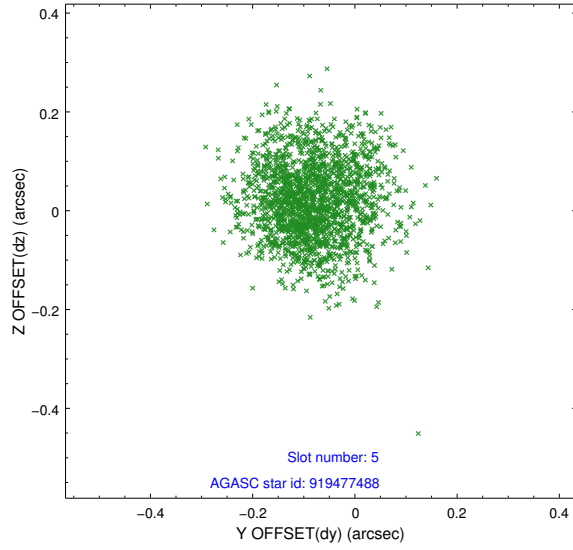
2.4.1 Slot 3



2.4.2 Slot 4

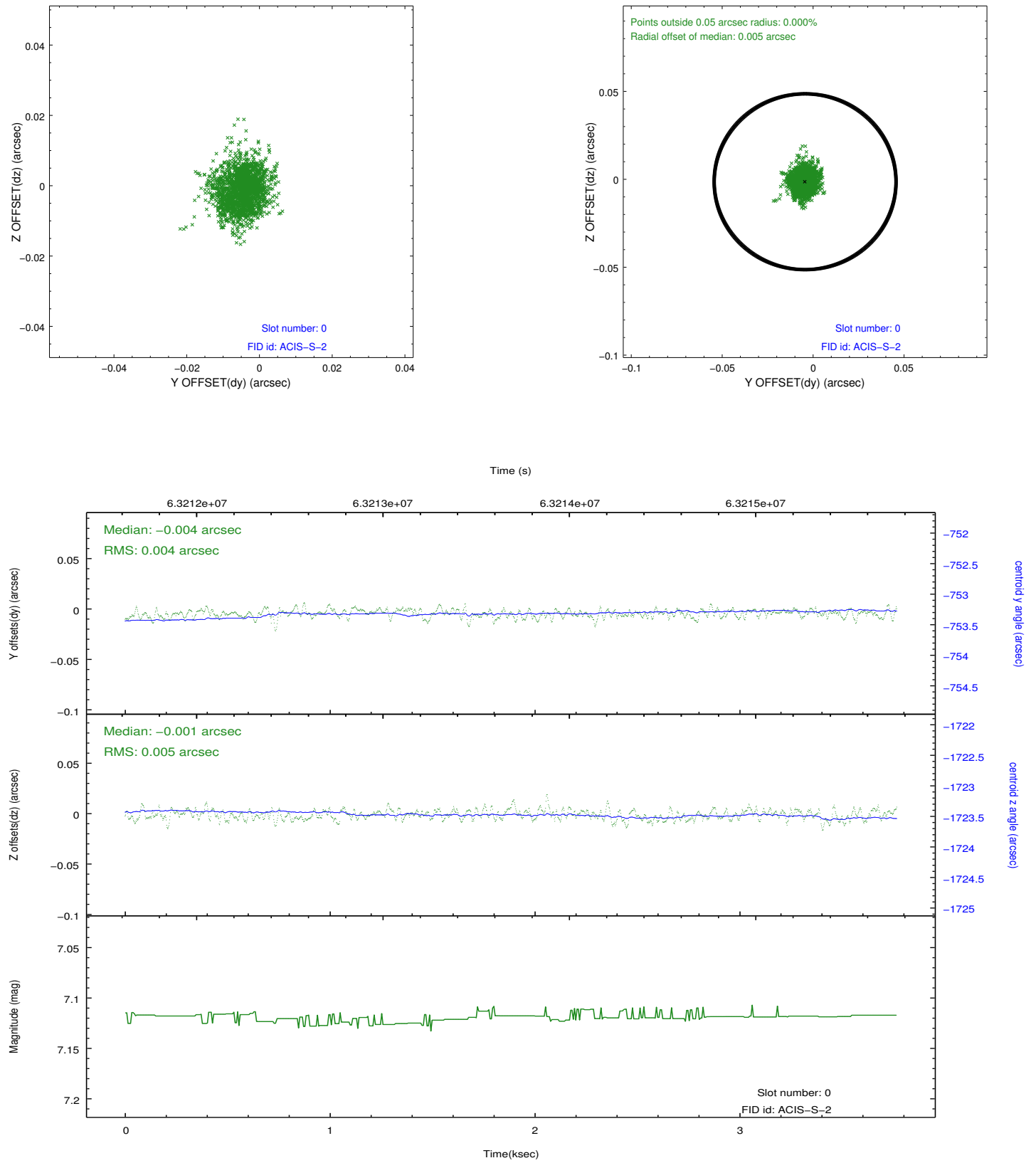


2.4.3 Slot 5

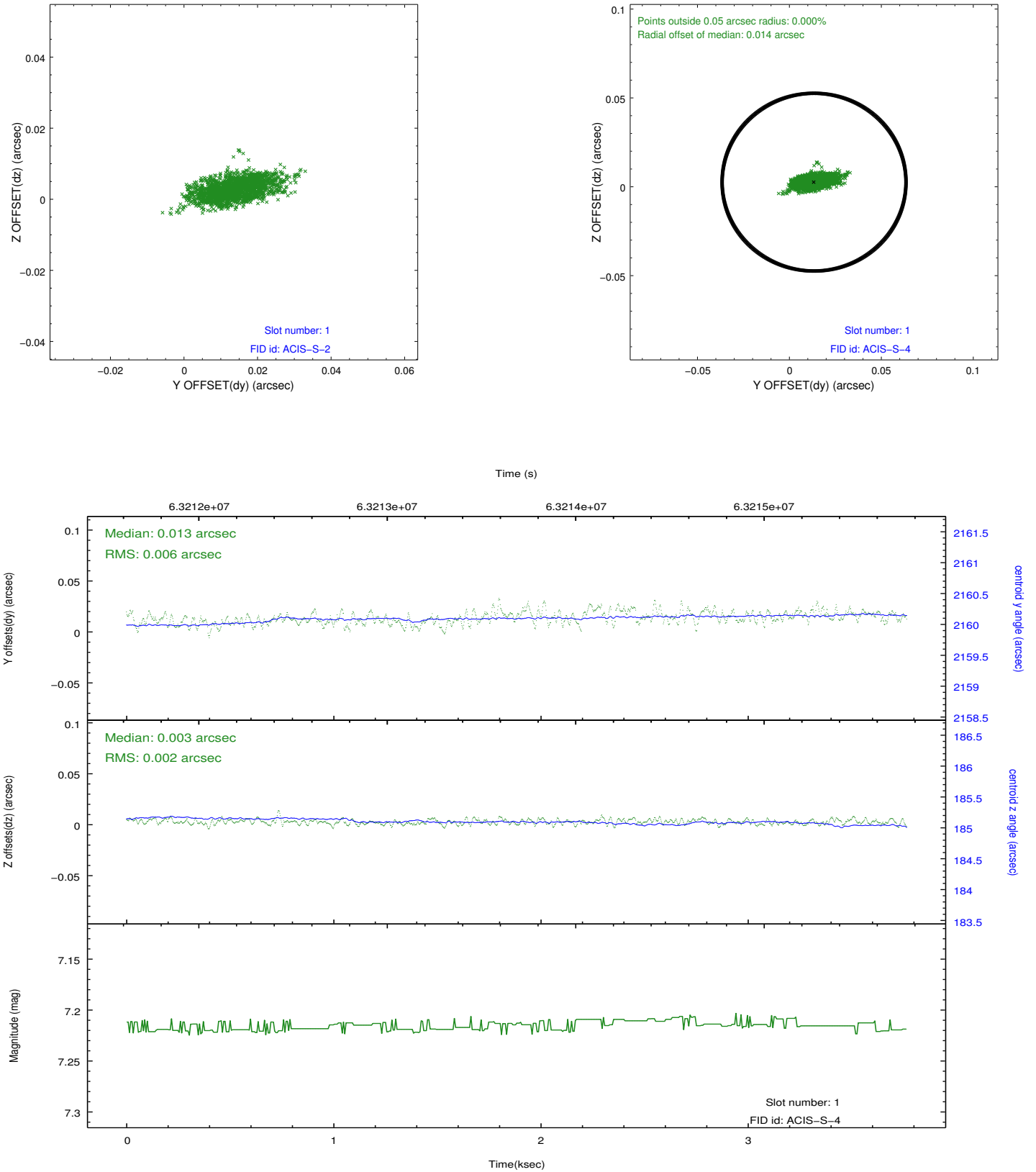


2.5 FID Slots

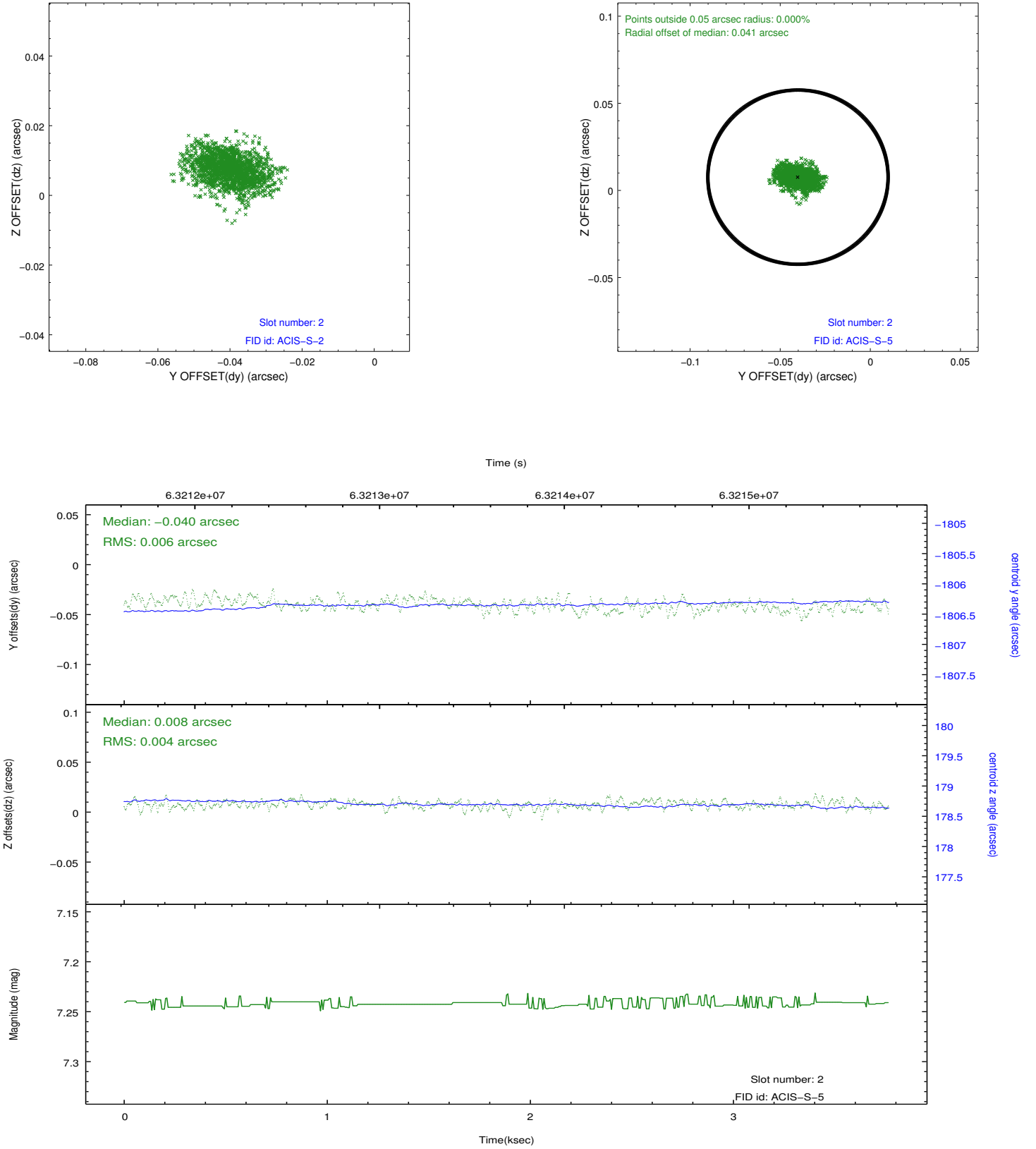
2.5.1 Slot 0



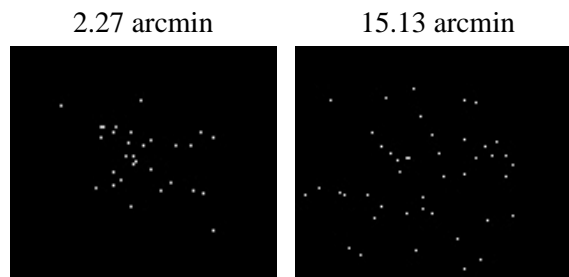
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.47

A.2 Comments

Charge time for this ObsId remains at previous value of 2.47 ksec, although with the current processing the charge time would have been 2.46 ksec.

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The guide stars in slots 6 and 7 were removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing these guide stars from the solution.

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This observation was acquired with the focal plane temperature raised from -120C to -110C, for attempted recalibration of ACIS for the 1999-09-16 through 2000-01-28 period. This reprocessing of the data applies no CTI correction because none is available for that temperature.