

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12849 - L2 Version 2
Chandra X-Ray Center

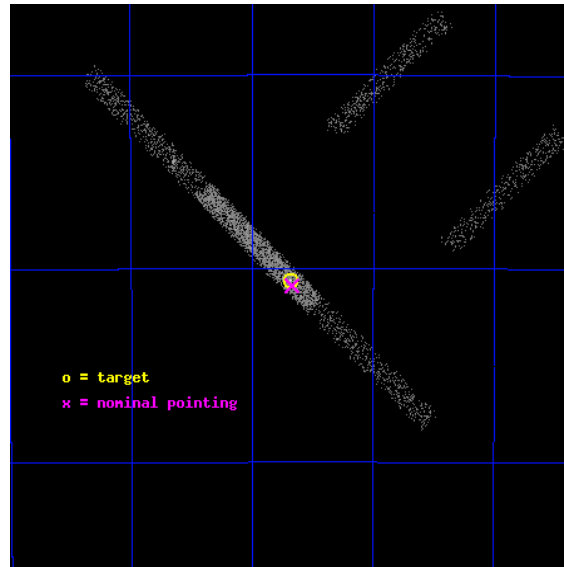
L2 Processing Date : Jul 6 2012

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1 Front

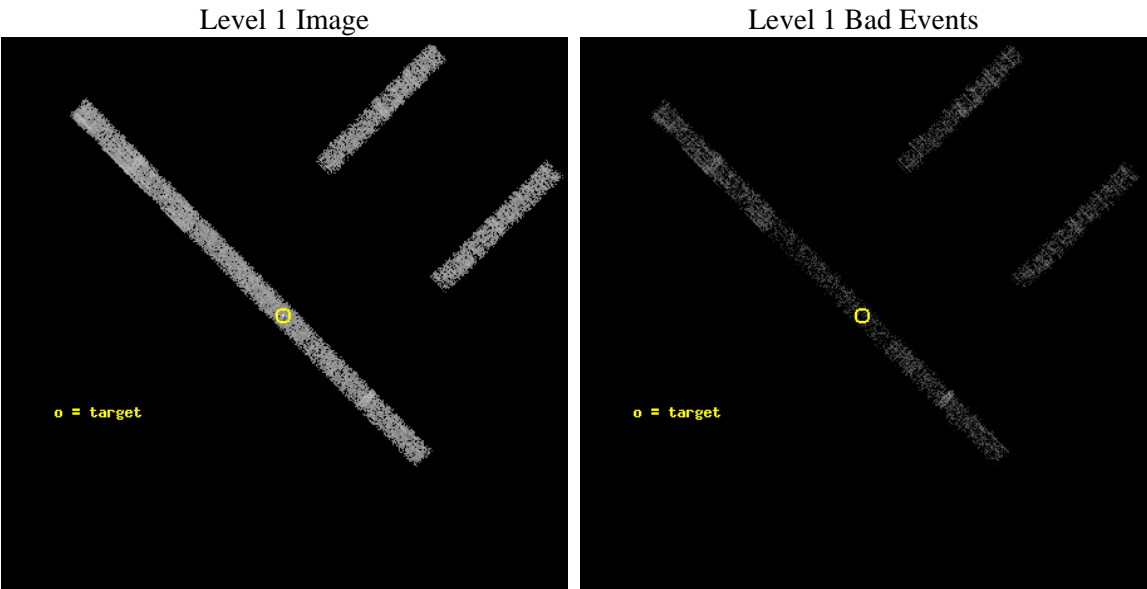
seq_num	702482	Sequence number
obs_id	12849	Observation id
title	X-ray properties of the Youngest Radio Sources	Proposal title
observer	Dr. Aneta Siemiginowska	Principal investigator
object	1718-649	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.920833	Observer's specified target RA [deg]
dec_targ	-65.010167	Observer's specified target Dec [deg]
ra_nom	260.91839900262	Nominal RA [deg]
dec_nom	-65.014916139192	Nominal Dec [deg]
roll_nom	225.17427170169	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5063.7999137044	Sum of GTIs [s]
livetime	4783.3584416402	Livetime [s]
ontime2	5063.7999137044	Sum of GTIs [s]
ontime3	5063.7999137044	Sum of GTIs [s]
ontime6	5063.7999137044	Sum of GTIs [s]
ontime7	5063.7999137044	Sum of GTIs [s]
ontime8	5063.7999137044	Sum of GTIs [s]
l2events	5395	Number of level 2 events



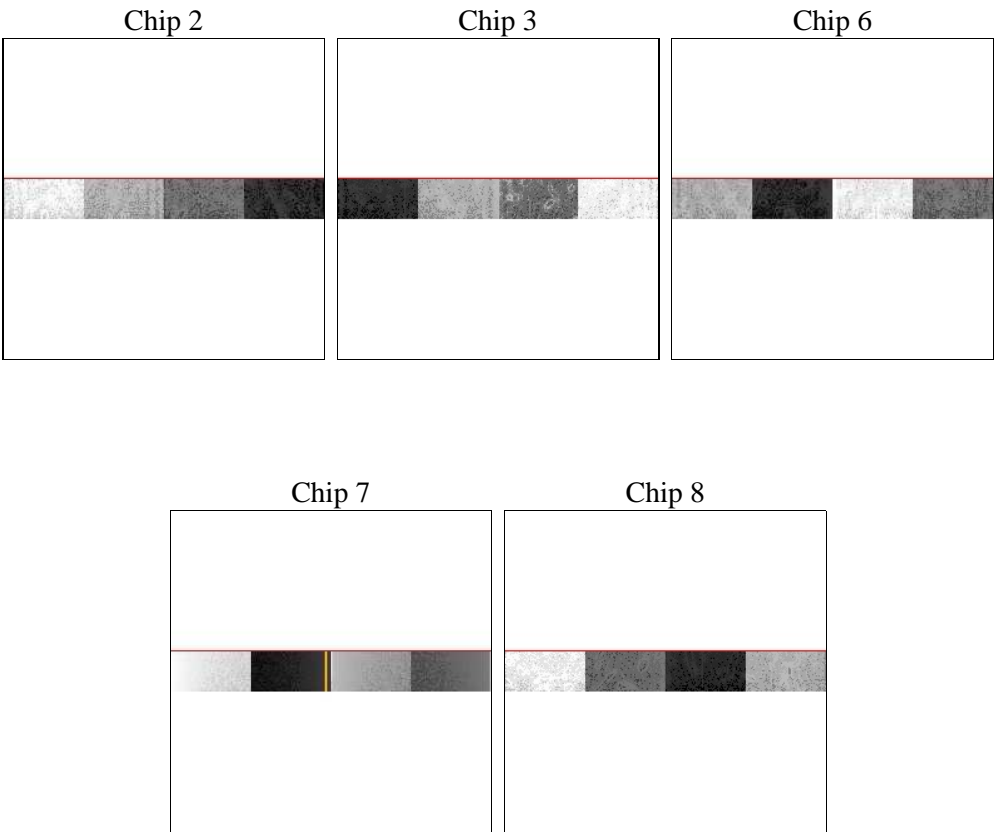
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 7



Chip 8



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5063.7999137044	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	5063.7999137044	Sum of GTIs [s]
date	2012-07-06T12:36:55	Date and time of file creation	ontime3	5063.7999137044	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5063.7999137044	Sum of GTIs [s]
			ontime7	5063.7999137044	Sum of GTIs [s]
			ontime8	5063.7999137044	Sum of GTIs [s]
			l1events	33027	Number of level 1 events

2.1.4 Events

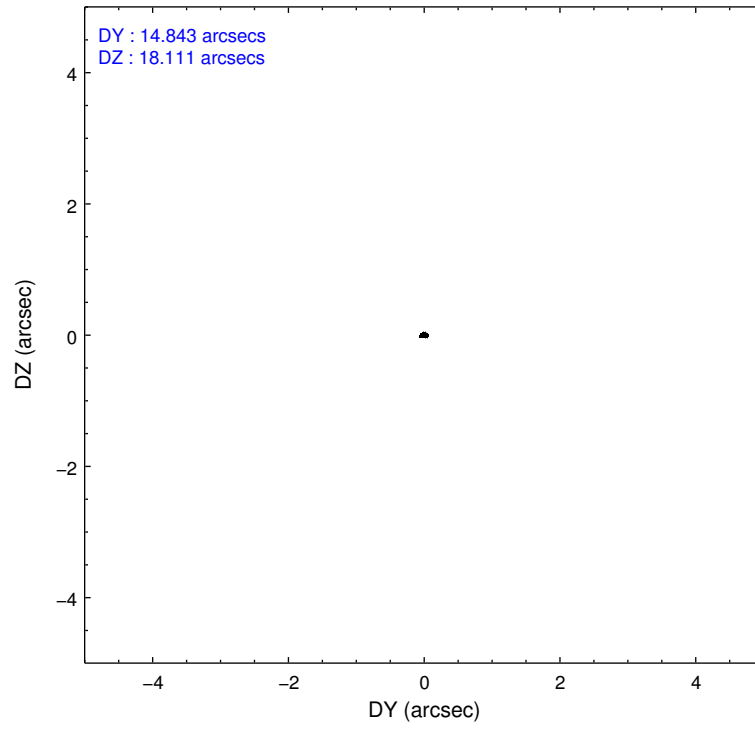
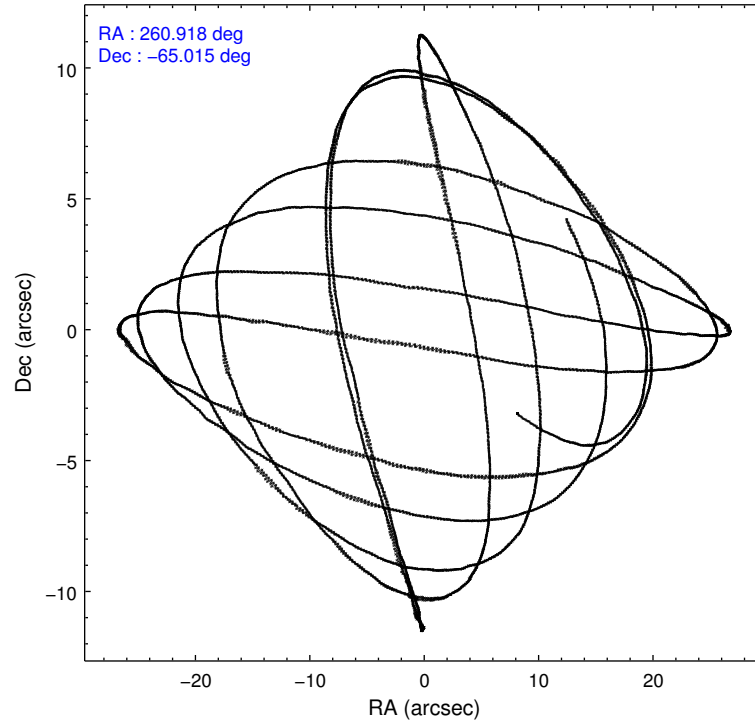
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5360	6039	5913	6649	9066
rejected events	4781	5442	5201	3334	7040
rejected %	89%	90%	87%	50%	77%

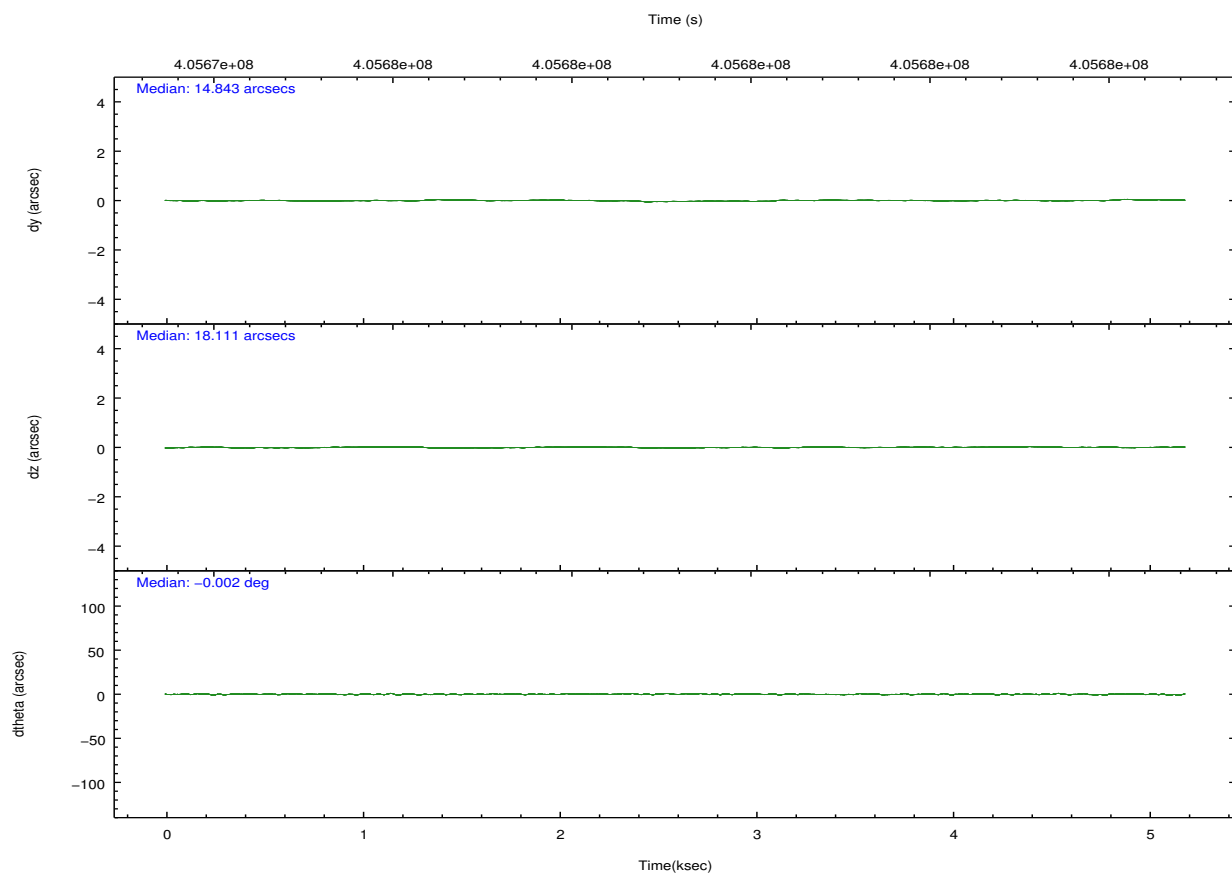
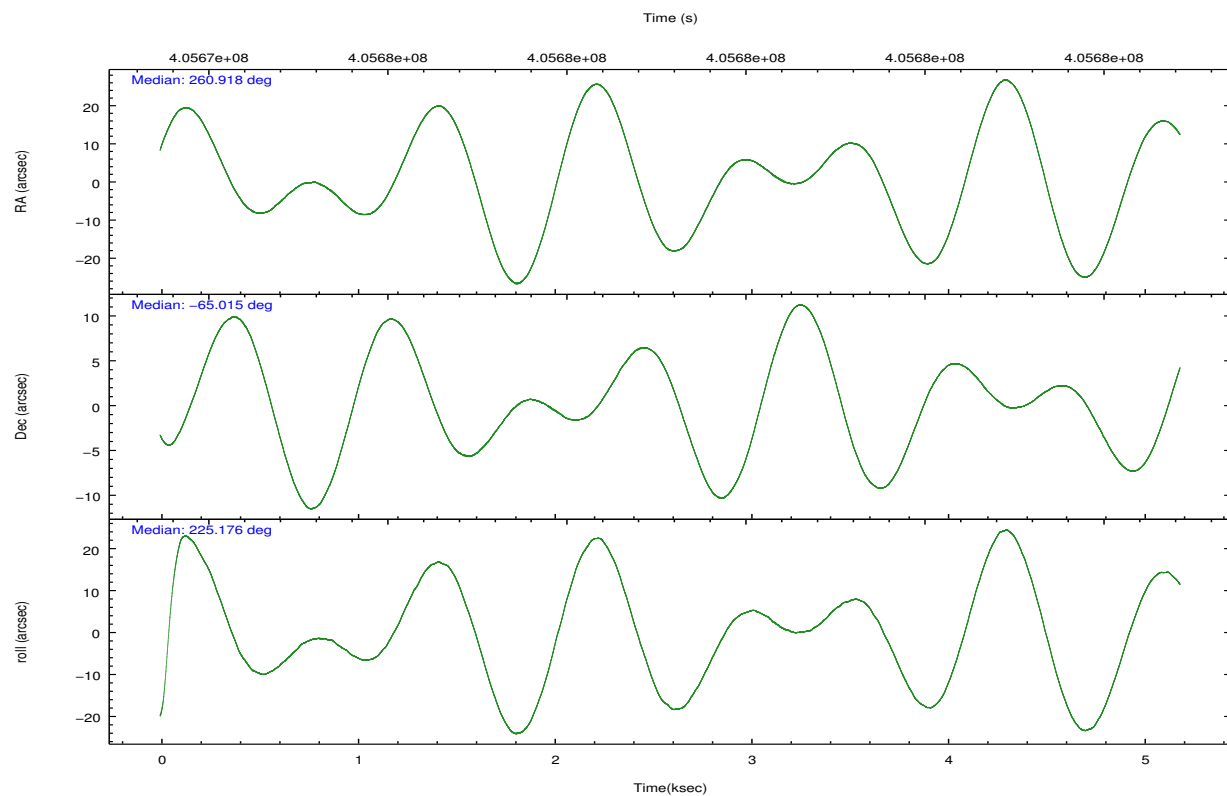
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	162	204	206	424	565
	3%	3%	3%	6%	6%
grade 1 events	2	4	1	5	3
	0%	0%	0%	0%	0%
grade 2 events	119	103	114	682	395
	2%	1%	1%	10%	4%
grade 3 events	104	111	117	380	235
	1%	1%	1%	5%	2%
grade 4 events	102	81	138	395	244
	1%	1%	2%	5%	2%
grade 5 events	169	214	253	650	310
	3%	3%	4%	9%	3%
grade 6 events	92	98	137	1434	587
	1%	1%	2%	21%	6%
grade 7 events	4610	5224	4947	2679	6727
	86%	86%	83%	40%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	260.933932	260.9183990026247	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-64.988359	-65.01491613919181	Subarray start row	449	449
[deg] Pointing Roll	225.031816	225.1742717016946	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	405674161.184000	405673287.25024			
Observation start date	2010-11-09T07:14:55	2010-11-09T07:01:27			
[s] Observation end time (MET)	405679161.184000	405680098.88809			
Observation end date	2010-11-09T08:38:15	2010-11-09T08:54:58			
Read mode	TIMED	TIMED			

2.3 Aspect



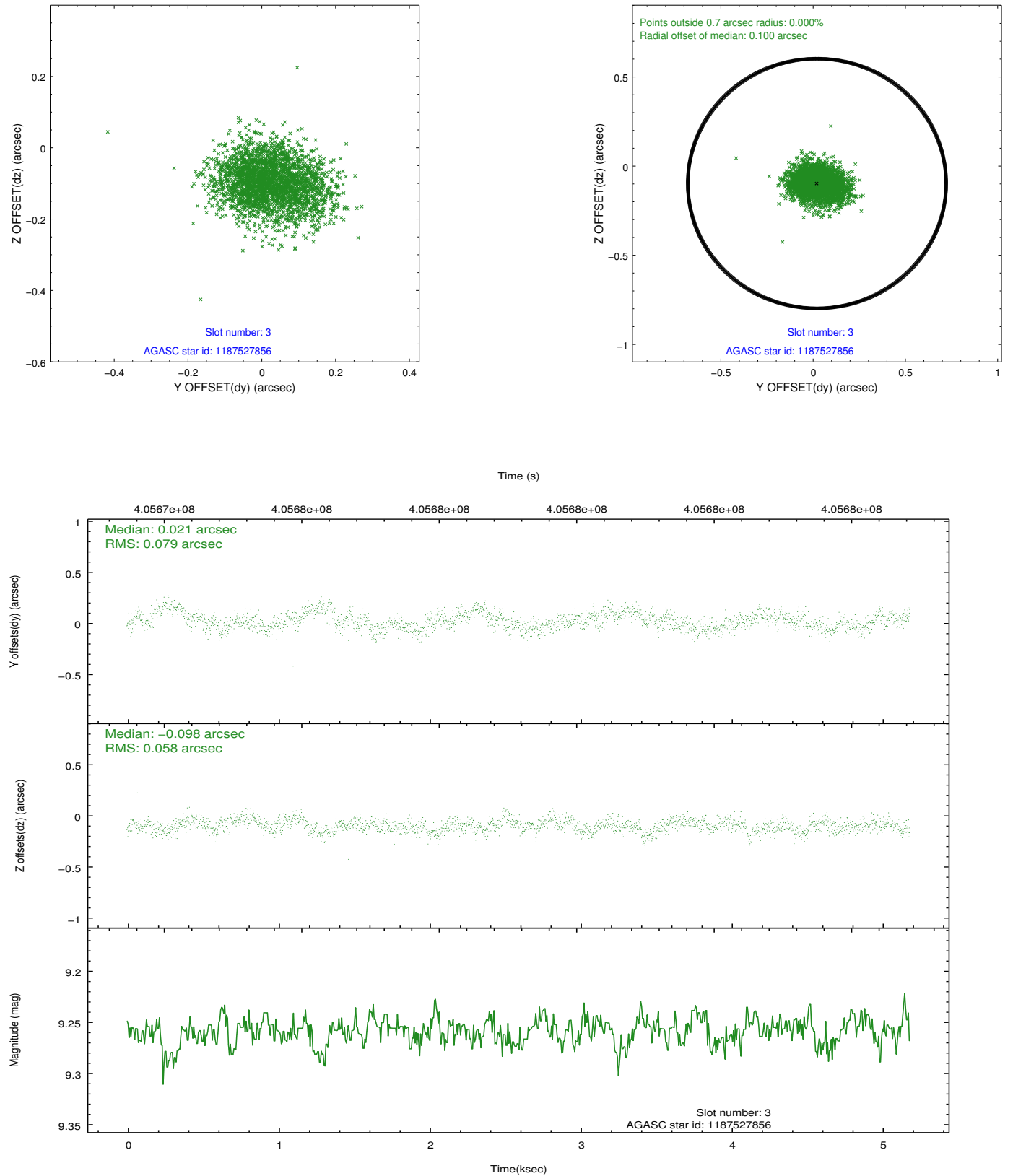


Slot Statistics

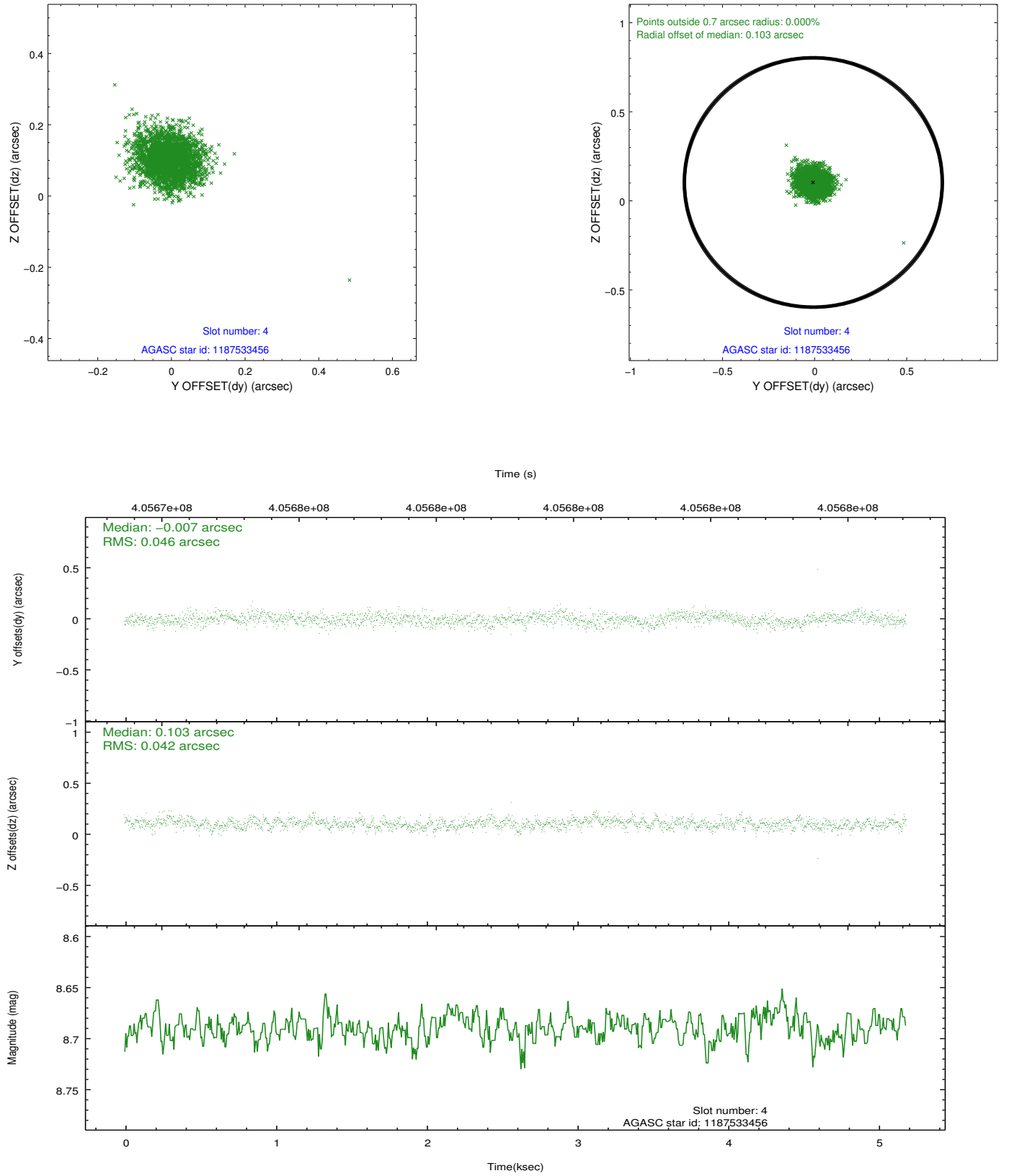
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	1265	-0.059	-0.049	0.006	0.010	0.000000	0.000000	-767.92	-1739.60
1	FID	ACIS-S-4	6.95	1265	0.176	0.042	0.006	0.011	0.000000	0.000000	2145.11	167.68
2	FID	ACIS-S-5	6.99	1265	-0.147	0.016	0.007	0.011	0.000000	0.000000	-1819.30	162.76
3	GUIDE	1187527856	9.26	2527	0.021	-0.098	0.104	0.169	260.889266	-65.511869	1380.84	1284.54
4	GUIDE	1187533456	8.69	2530	-0.007	0.103	0.065	0.106	260.686036	-64.949110	168.92	-365.89
5	GUIDE	1187669496	9.22	2526	-0.091	-0.098	0.097	0.151	261.750446	-64.729734	-1539.37	235.19
6	GUIDE	1188064872	7.11	2530	0.057	0.077	0.072	0.135	260.990080	-65.702137	1759.06	1874.90
7	GUIDE	1187655104	6.87	2530	0.006	0.021	0.063	0.103	262.019924	-64.951088	-1253.64	1086.96

2.4 Star Slots

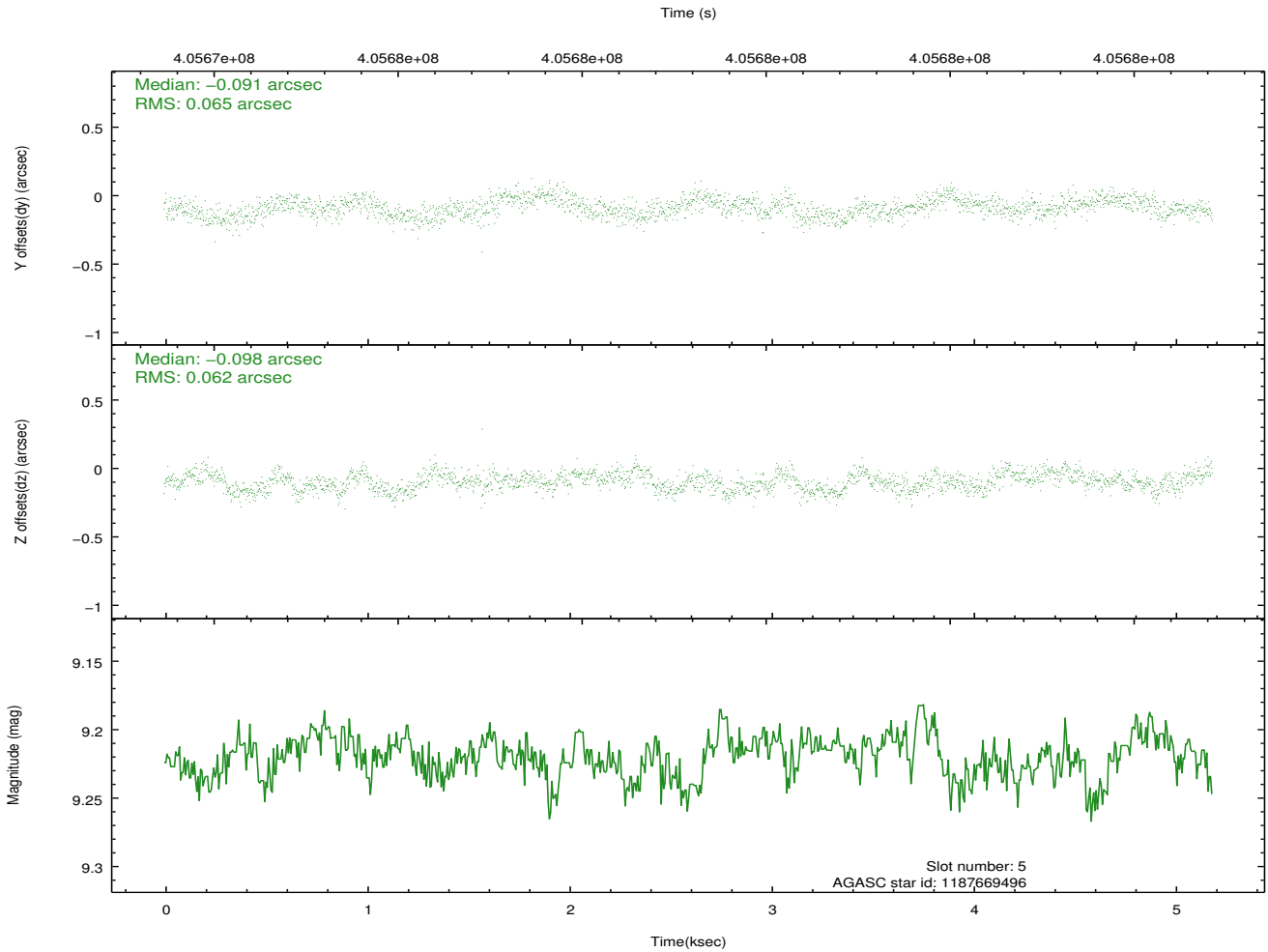
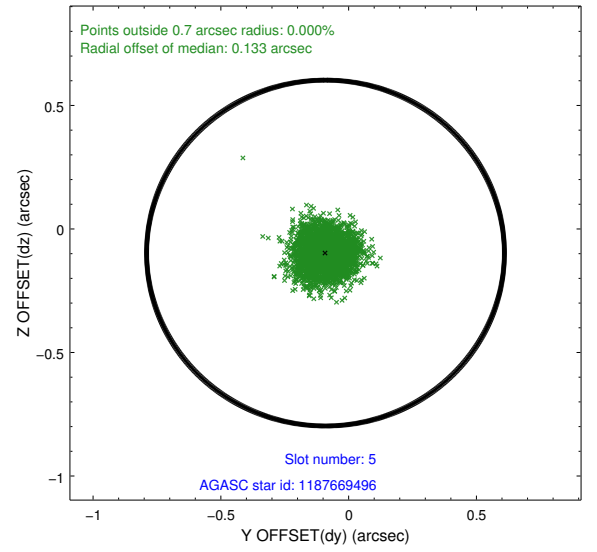
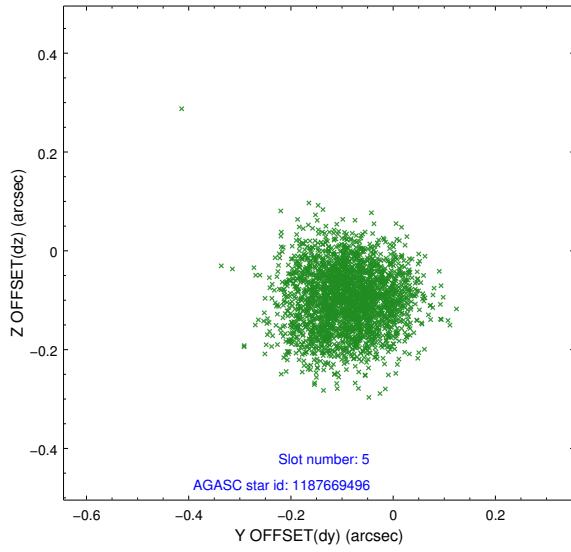
2.4.1 Slot 3



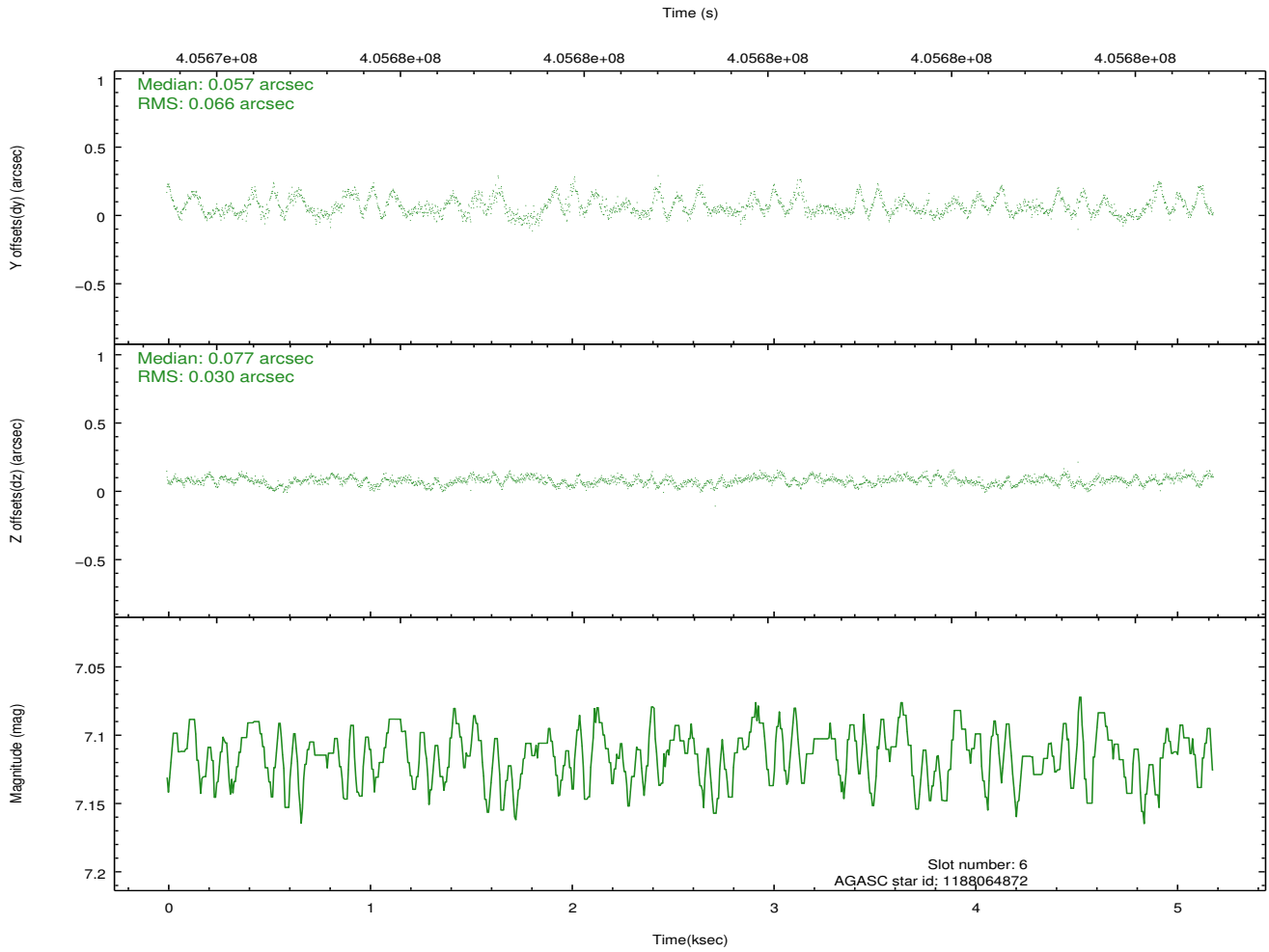
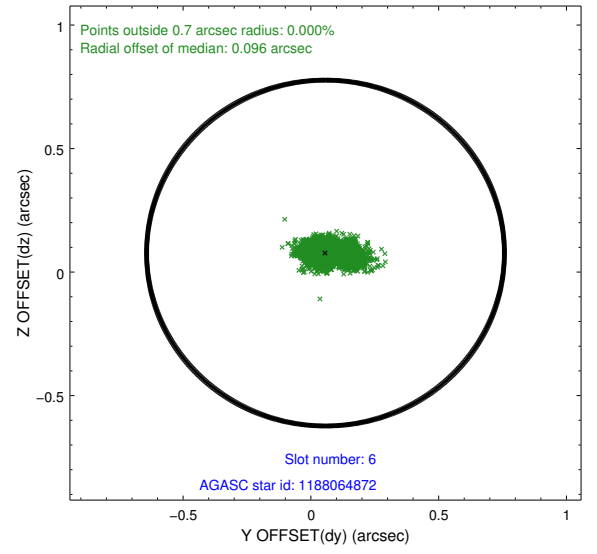
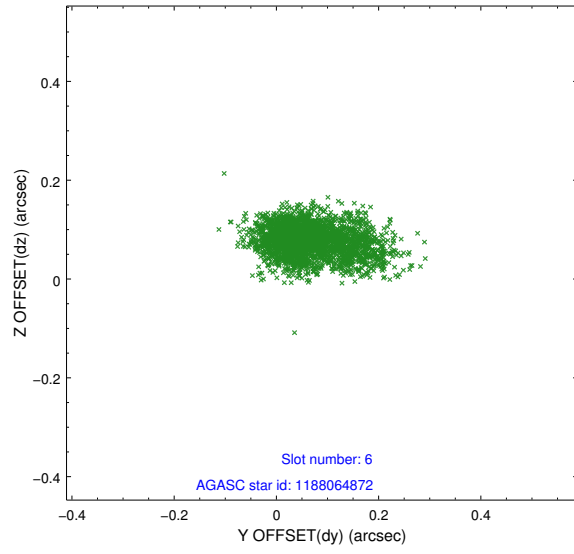
2.4.2 Slot 4



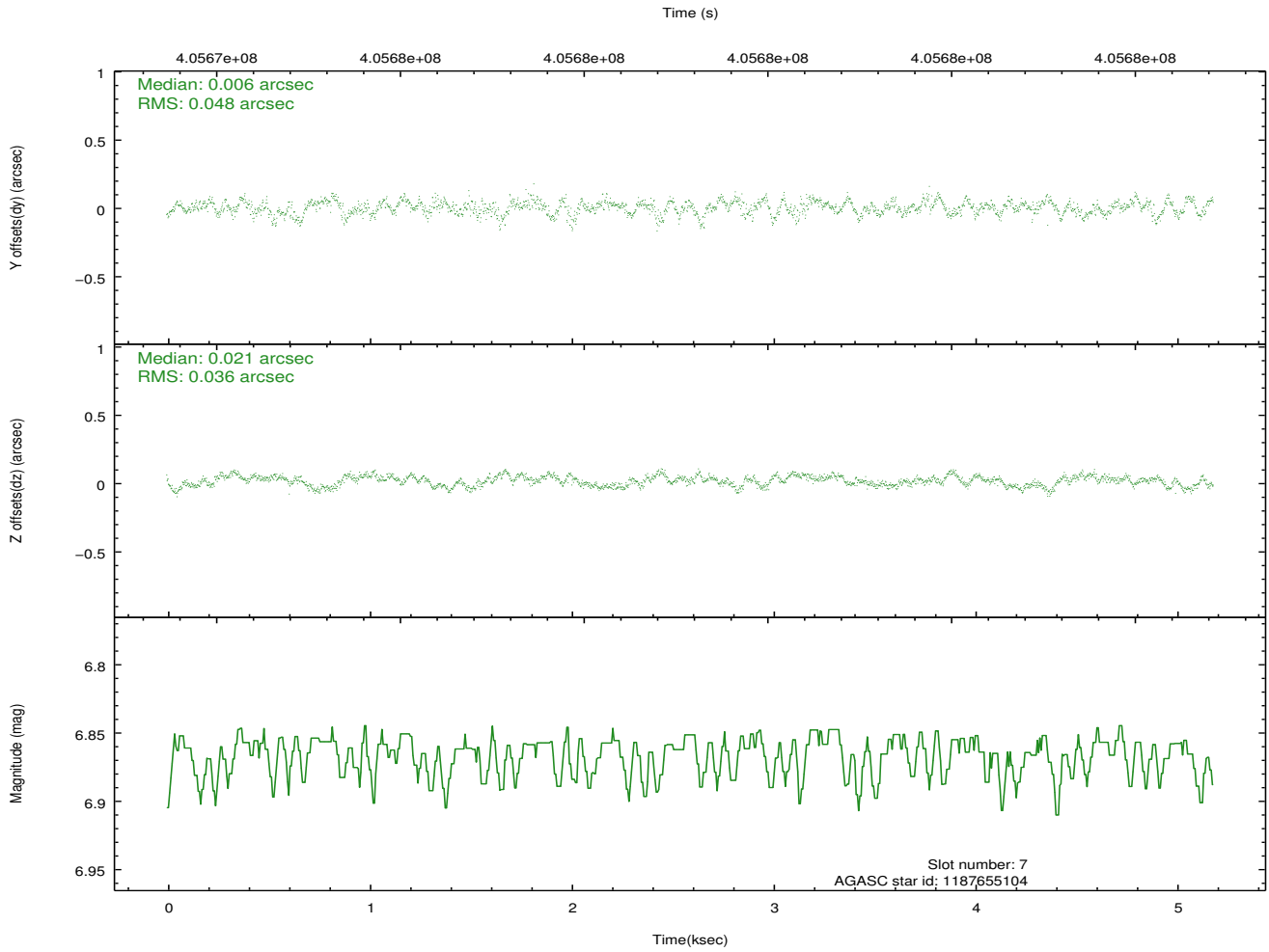
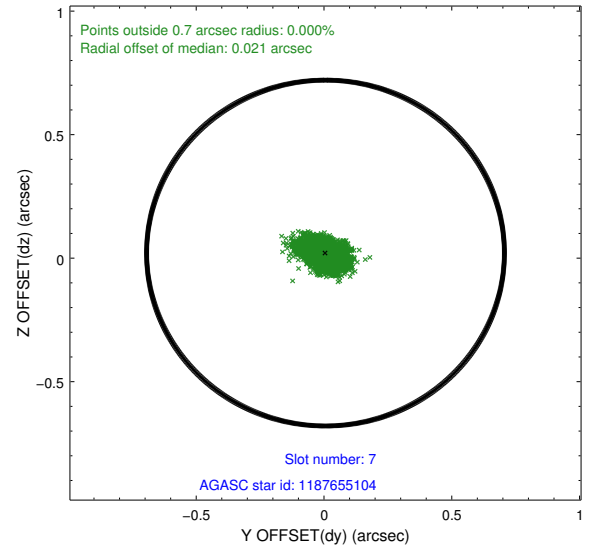
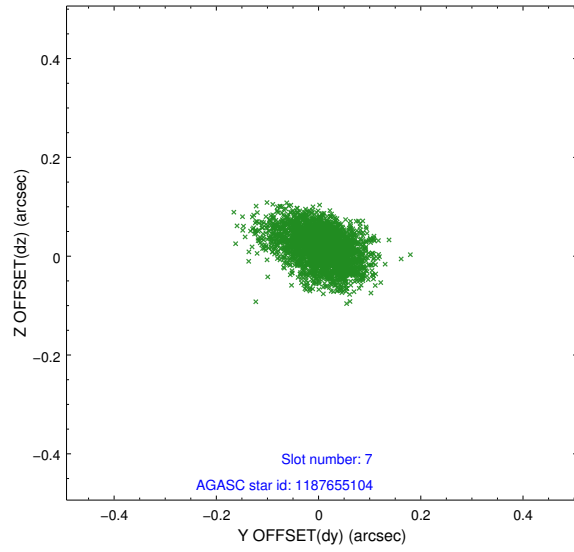
2.4.3 Slot 5



2.4.4 Slot 6

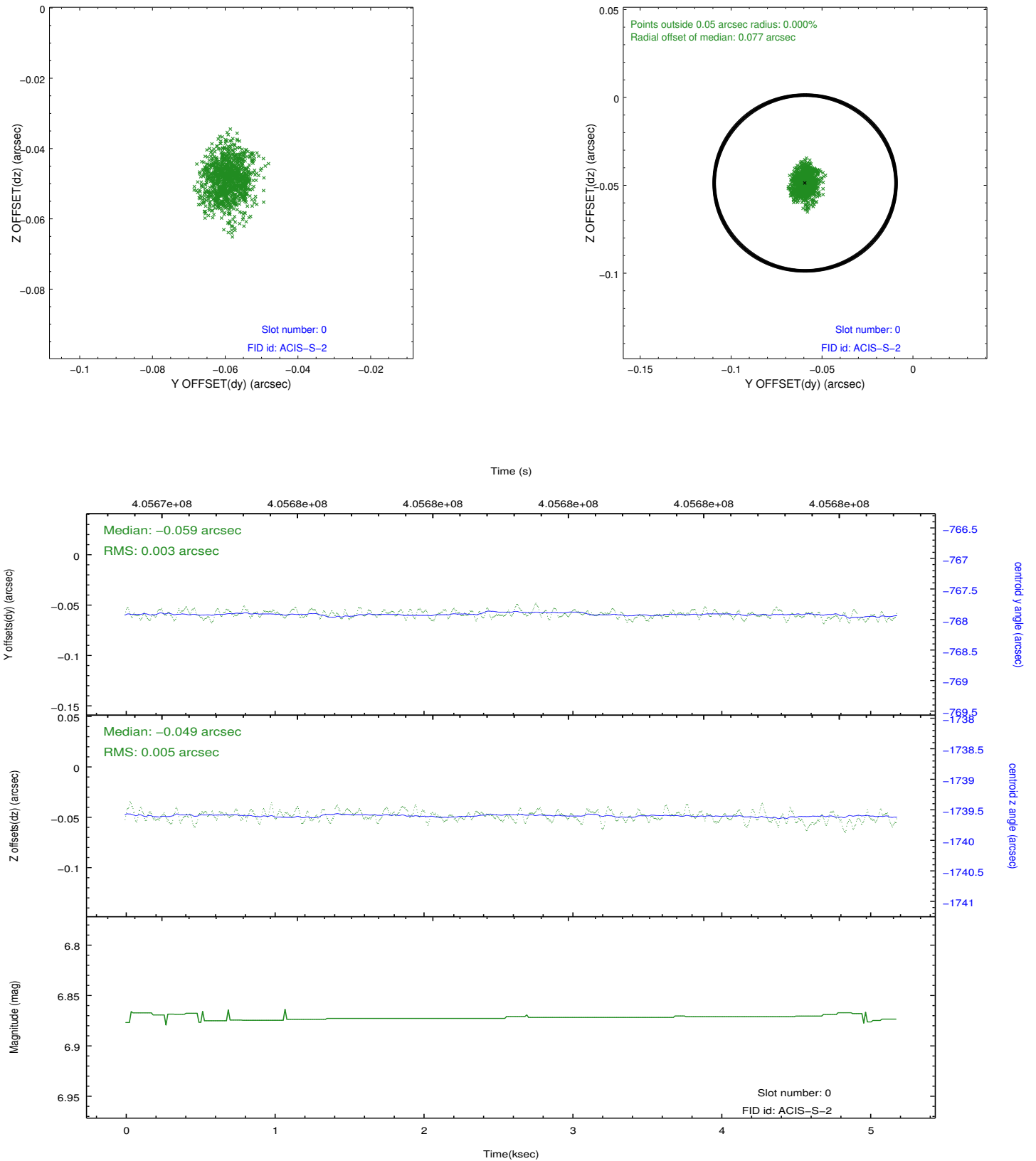


2.4.5 Slot 7

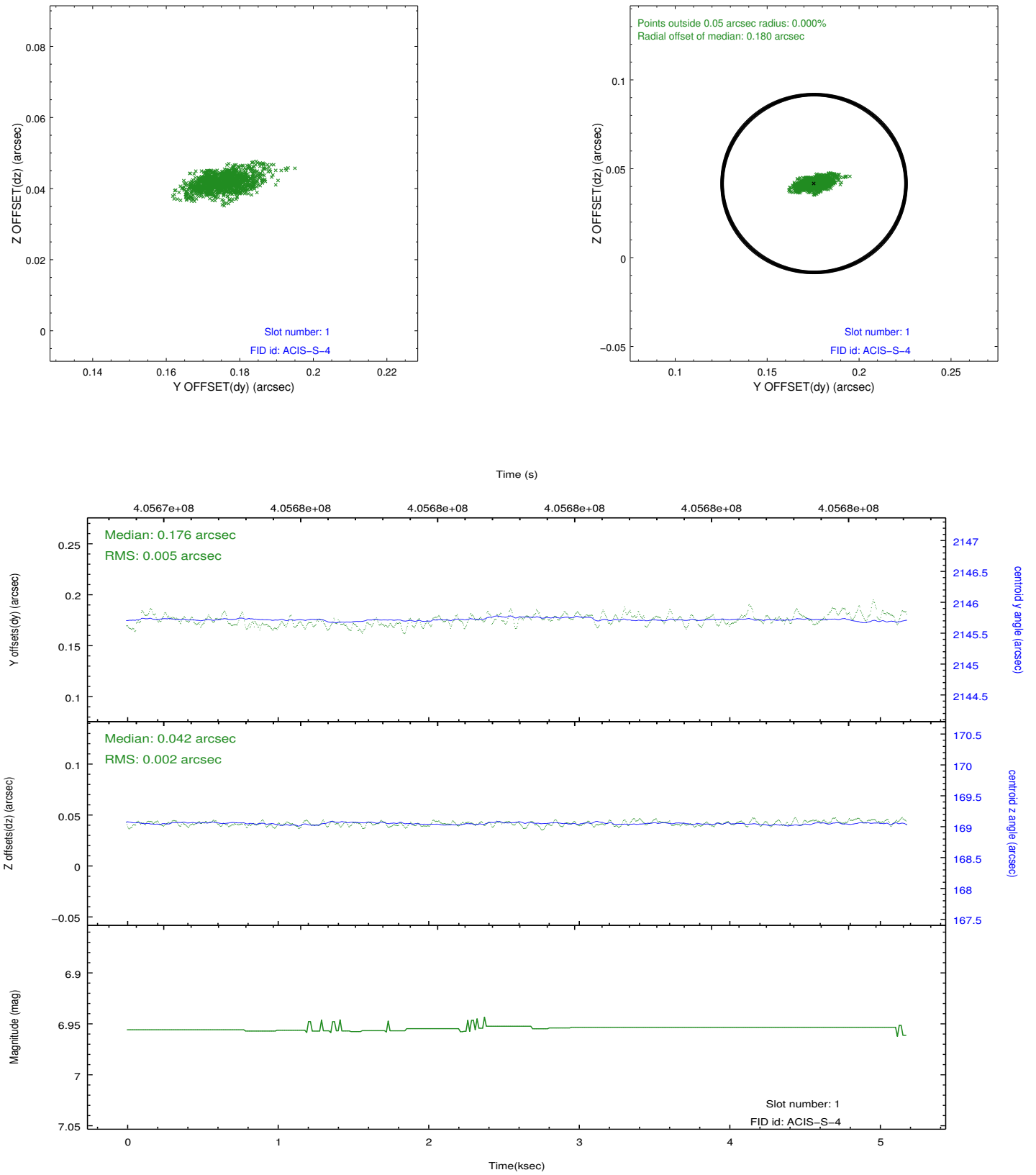


2.5 FID Slots

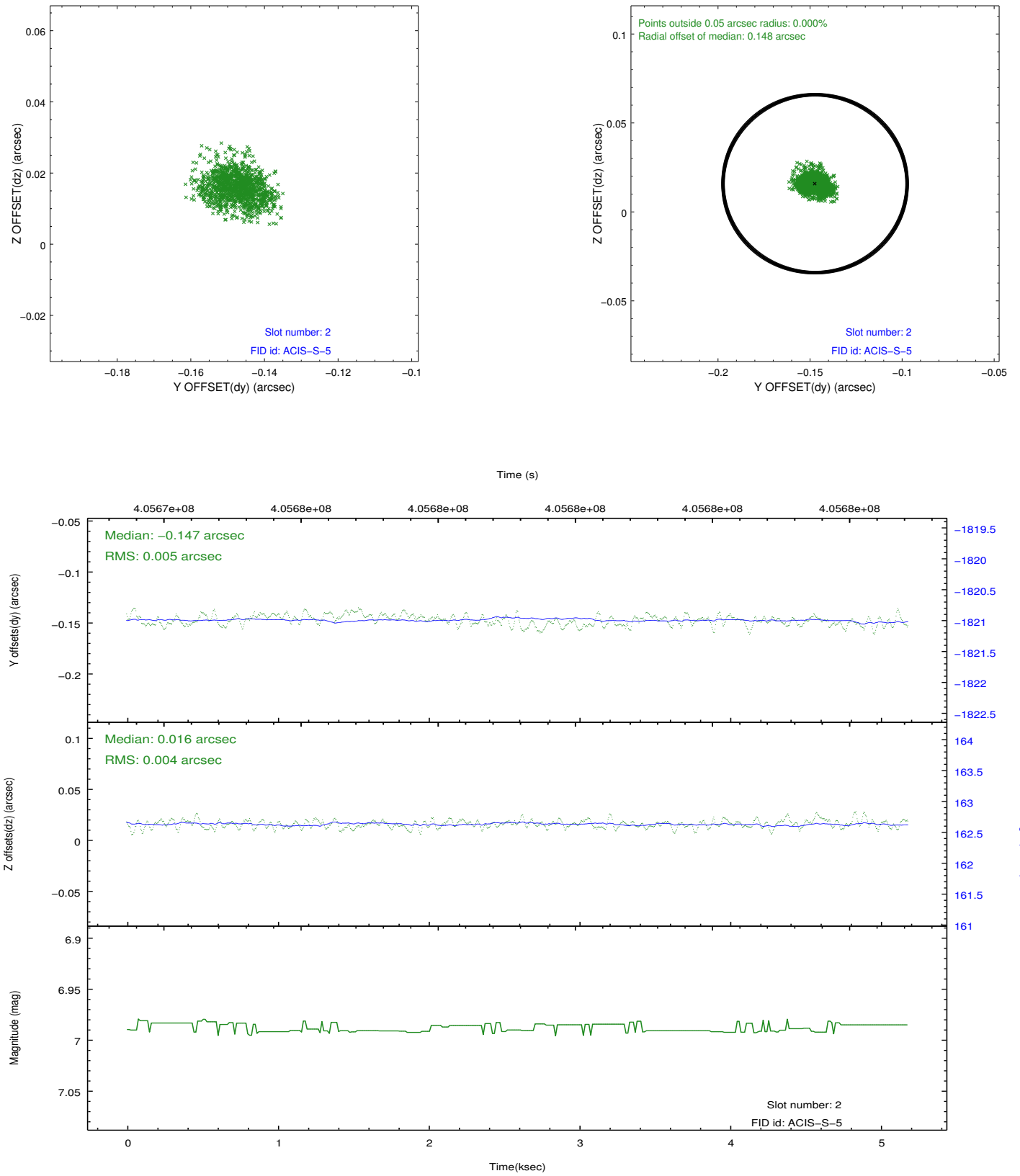
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0637999137044

A.2 Comments