

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 4742 - L2 Version 3
Chandra X-Ray Center

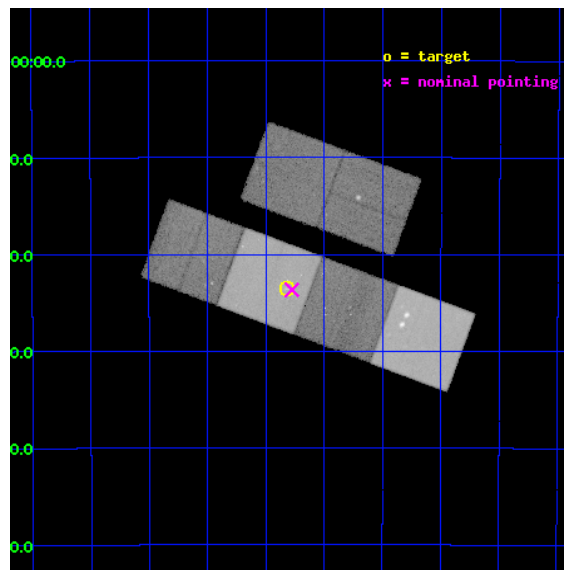
L2 Processing Date : Dec 23 2012

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1 Front

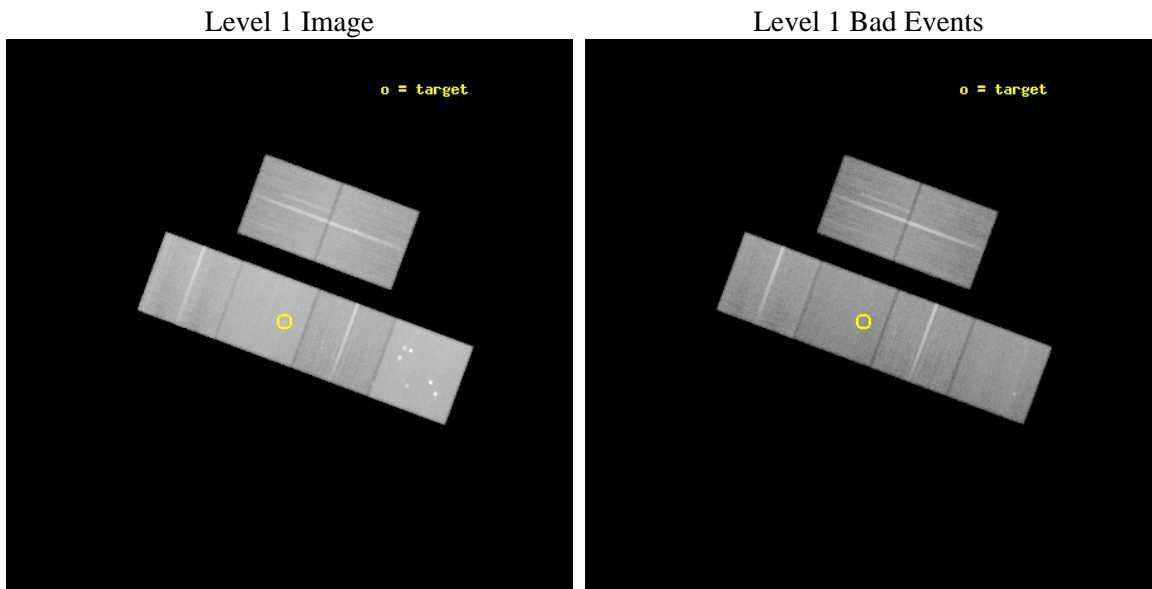
seq_num	600397	Sequence number
obs_id	4742	Observation id
title	Observing LMXBs in High Globular Cluster Specific Frequency Elliptical Galaxies	Proposal title
observer	Professor JIMMY IRWIN	Principal investigator
object	NGC1427	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.580833	Observer's specified target RA [deg]
dec_targ	-35.392778	Observer's specified target Dec [deg]
ra_nom	55.569156852081	Nominal RA [deg]
dec_nom	-35.39449105837	Nominal Dec [deg]
roll_nom	200.28100743988	Nominal Roll [deg]
revision	3	Processing version of data
ontime	51695.999807417	Sum of GTIs [s]
livetime	51041.393930262	Livetime [s]
ontime2	51683.035866529	Sum of GTIs [s]
ontime3	51686.276876658	Sum of GTIs [s]
ontime5	51695.999807417	Sum of GTIs [s]
ontime6	51692.758837134	Sum of GTIs [s]
ontime7	51695.999807417	Sum of GTIs [s]
ontime8	51689.517896712	Sum of GTIs [s]
l2events	657696	Number of level 2 events



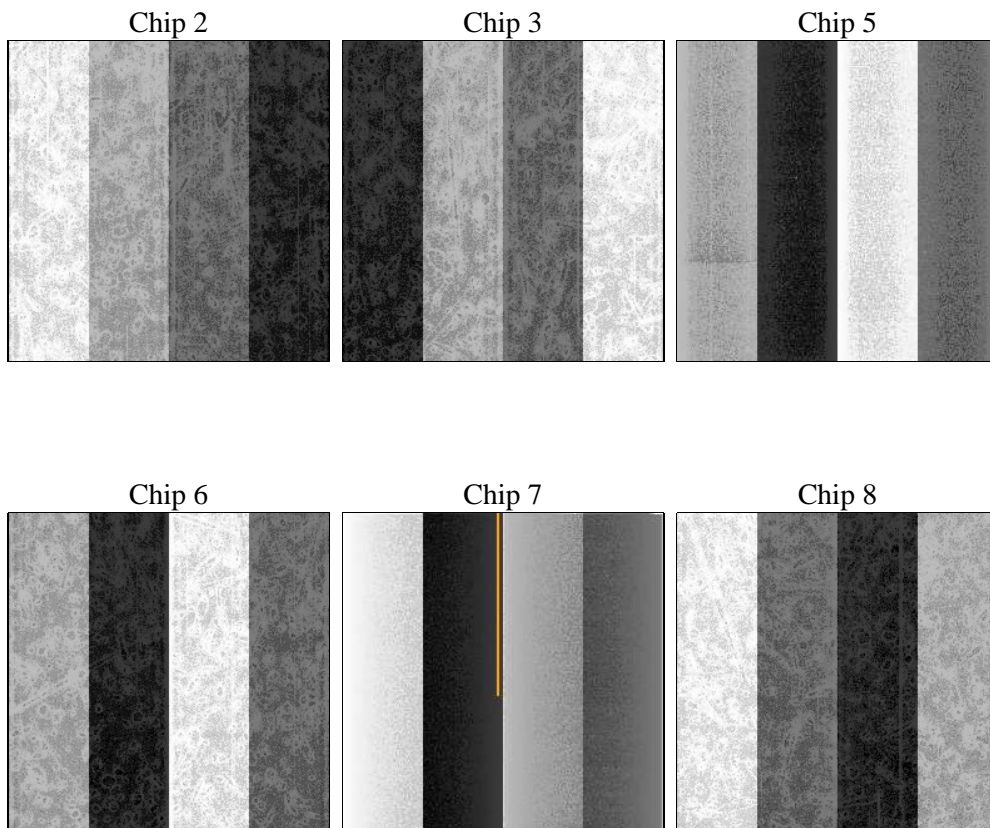
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	51557.240000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	51695.999807417	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	51683.035866529	Sum of GTIs [s]
date	2012-12-23T03:06:45	Date and time of file creation	ontime3	51686.276876658	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	51695.999807417	Sum of GTIs [s]
			ontime6	51692.758837134	Sum of GTIs [s]
			ontime7	51695.999807417	Sum of GTIs [s]
			ontime8	51689.517896712	Sum of GTIs [s]
			l1events	2789736	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	393480	374875	609560	393141	530051	488629	grade 0 events	23868	21400	46260	22207	21234	34221
rejected events	343241	328066	317652	342735	308032	381974		6%	5%	7%	5%	4%	7%
rejected %	87%	87%	52%	87%	58%	78%	grade 1 events	283	226	1144	215	511	346
								0%	0%	0%	0%	0%	0%
							grade 2 events	10009	8783	82863	9945	44683	23507
								2%	2%	13%	2%	8%	4%
							grade 3 events	4426	4455	11330	4611	19830	11095
								1%	1%	1%	1%	3%	2%
							grade 4 events	4442	4332	10979	4472	19650	10449
								1%	1%	1%	1%	3%	2%
							grade 5 events	15716	17320	41666	17952	50150	23637
								3%	4%	6%	4%	9%	4%
							grade 6 events	7649	7984	141552	9340	117411	27638
								1%	2%	23%	2%	22%	5%
							grade 7 events	327087	310375	273766	324399	256582	357736
								83%	82%	44%	82%	48%	73%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	55.590140	55.56915685208088	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.373311	-35.39449105837017	Alternating exposures requested	N	N
[deg] Pointing Roll	200.136534	200.2810074398838	[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)	231365784.184000	231364645.94738			
Observation start date	2005-05-01T20:15:20	2005-05-01T19:57:25			
[s] Observation end time (MET)	231417342.184000	231417566.18729			
Observation end date	2005-05-02T10:34:38	2005-05-02T10:39:26			
Read mode	TIMED	TIMED			

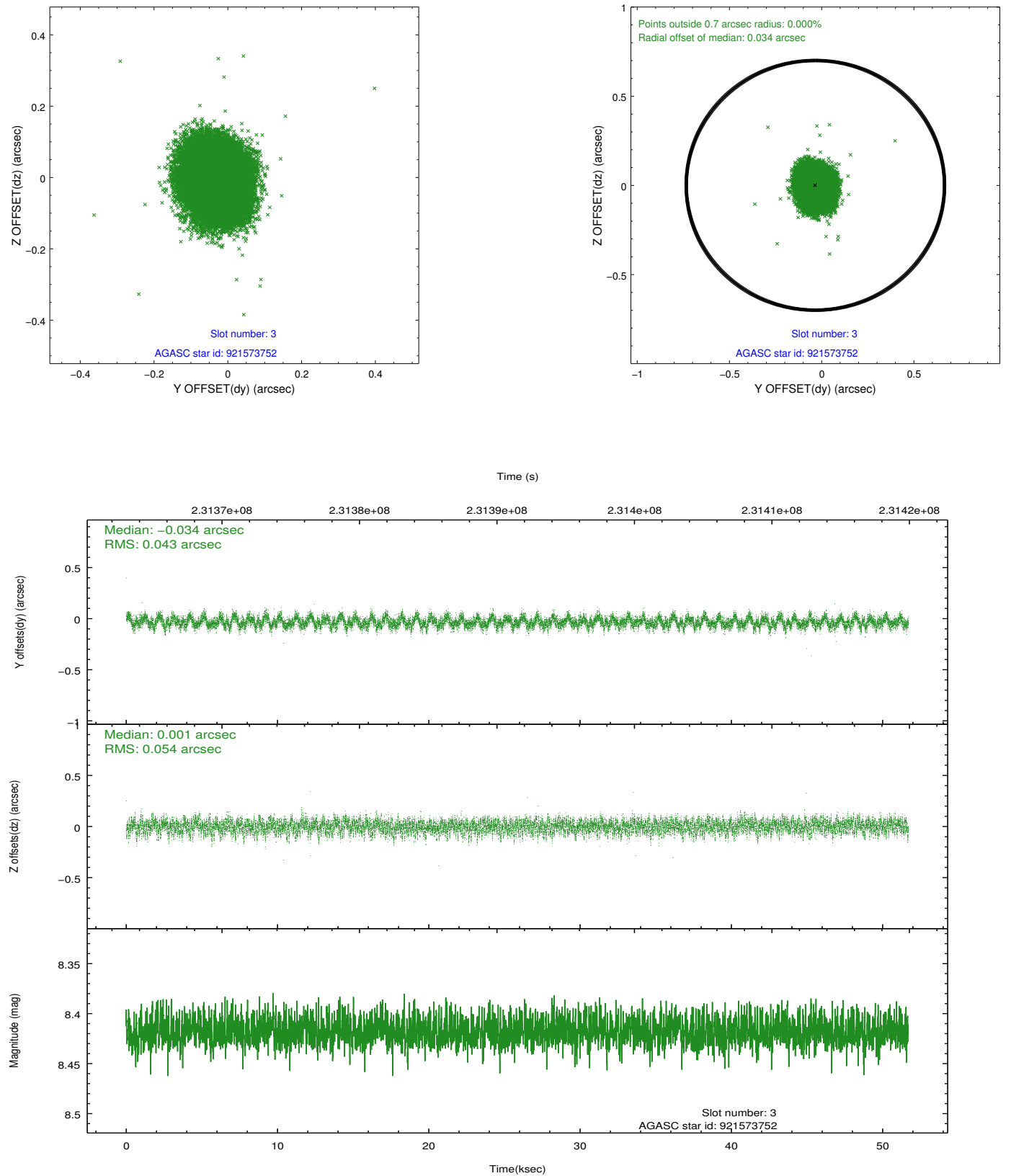
2.3 Aspect

Slot Statistics

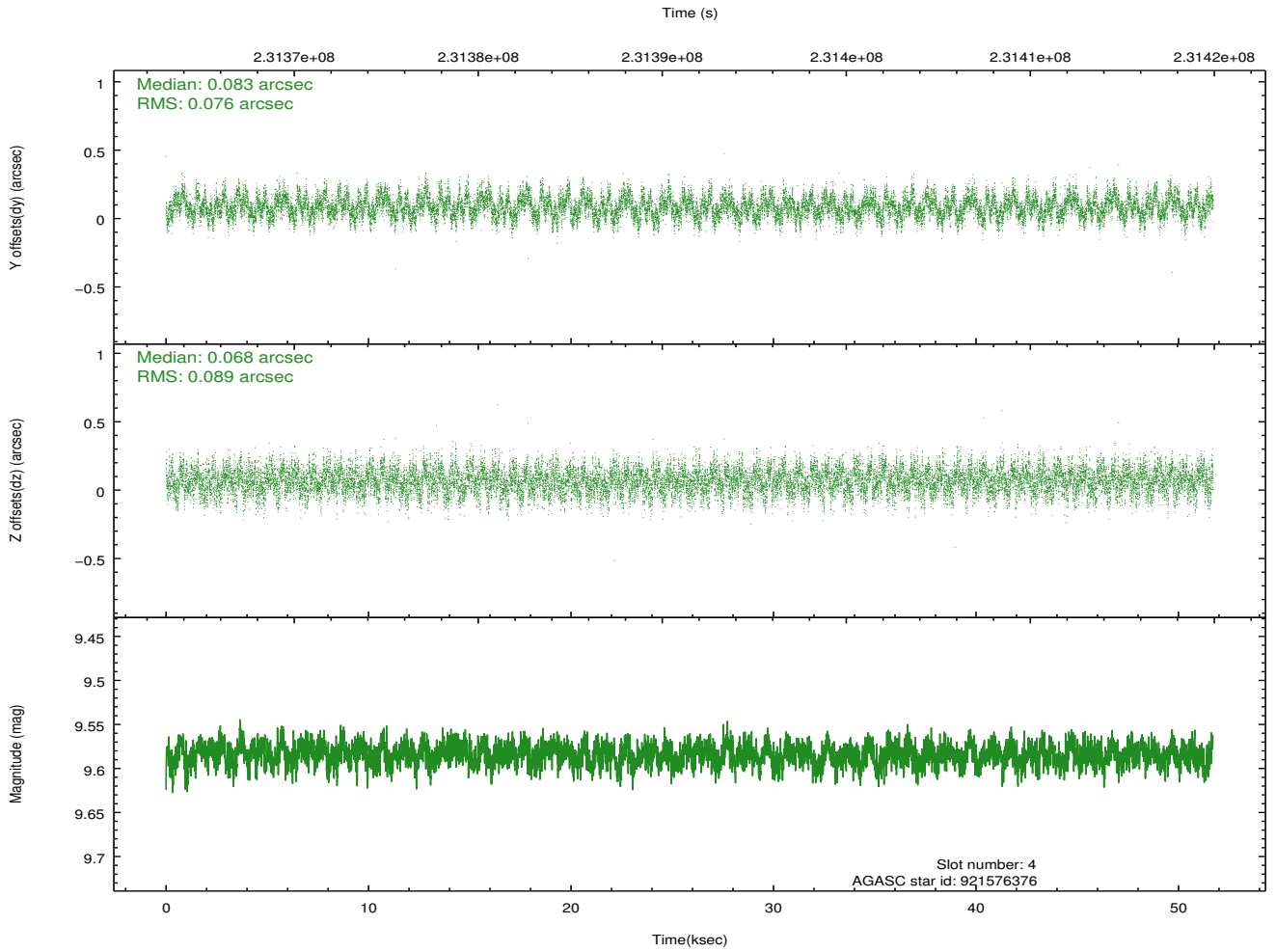
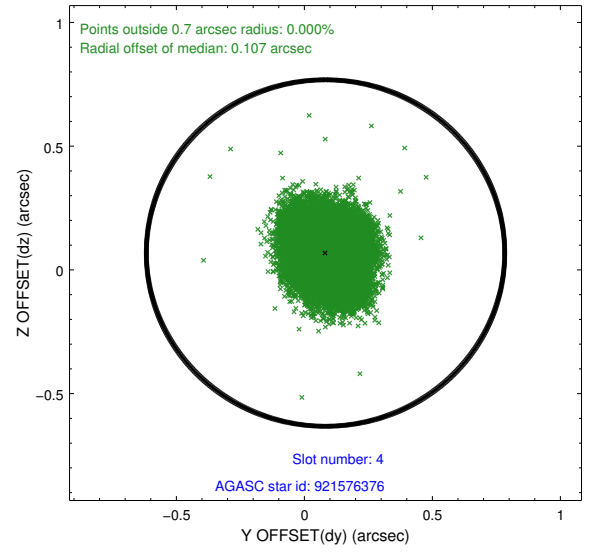
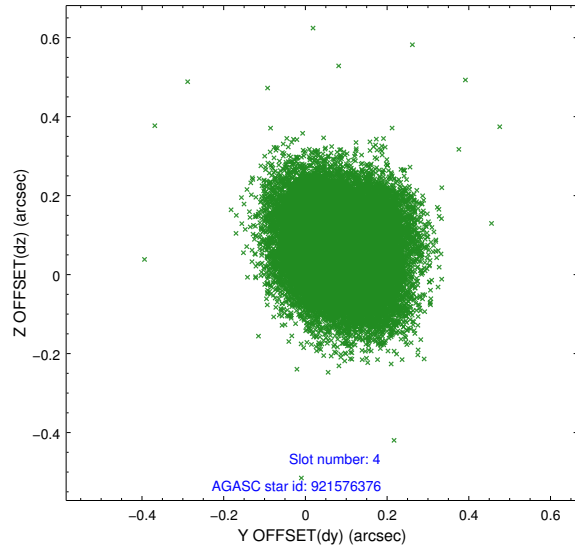
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12609	-0.024	-0.027	0.013	0.026	0.000000	0.000000	-760.12	-1733.21
1	FID	ACIS-S-4	7.20	12610	0.072	0.019	0.014	0.024	0.000000	0.000000	2153.27	175.34
2	FID	ACIS-S-5	7.23	12611	-0.081	0.017	0.018	0.025	0.000000	0.000000	-1813.04	168.98
3	GUIDE	921573752	8.42	25215	-0.034	0.001	0.074	0.119	55.297577	-34.906150	233.19	-1874.83
4	GUIDE	921576376	9.58	25205	0.083	0.068	0.126	0.200	55.579902	-34.722200	-777.69	-2211.14
5	GUIDE	921963584	9.54	25128	-0.027	-0.035	0.104	0.167	55.242973	-35.012099	514.48	-1571.56
6	GUIDE	921965352	9.67	25199	0.079	-0.113	0.109	0.179	56.101758	-35.771375	-908.26	1863.80
7	GUIDE	921966528	6.79	25220	-0.101	0.084	0.065	0.109	54.675841	-35.204254	2320.35	-1484.98

2.4 Star Slots

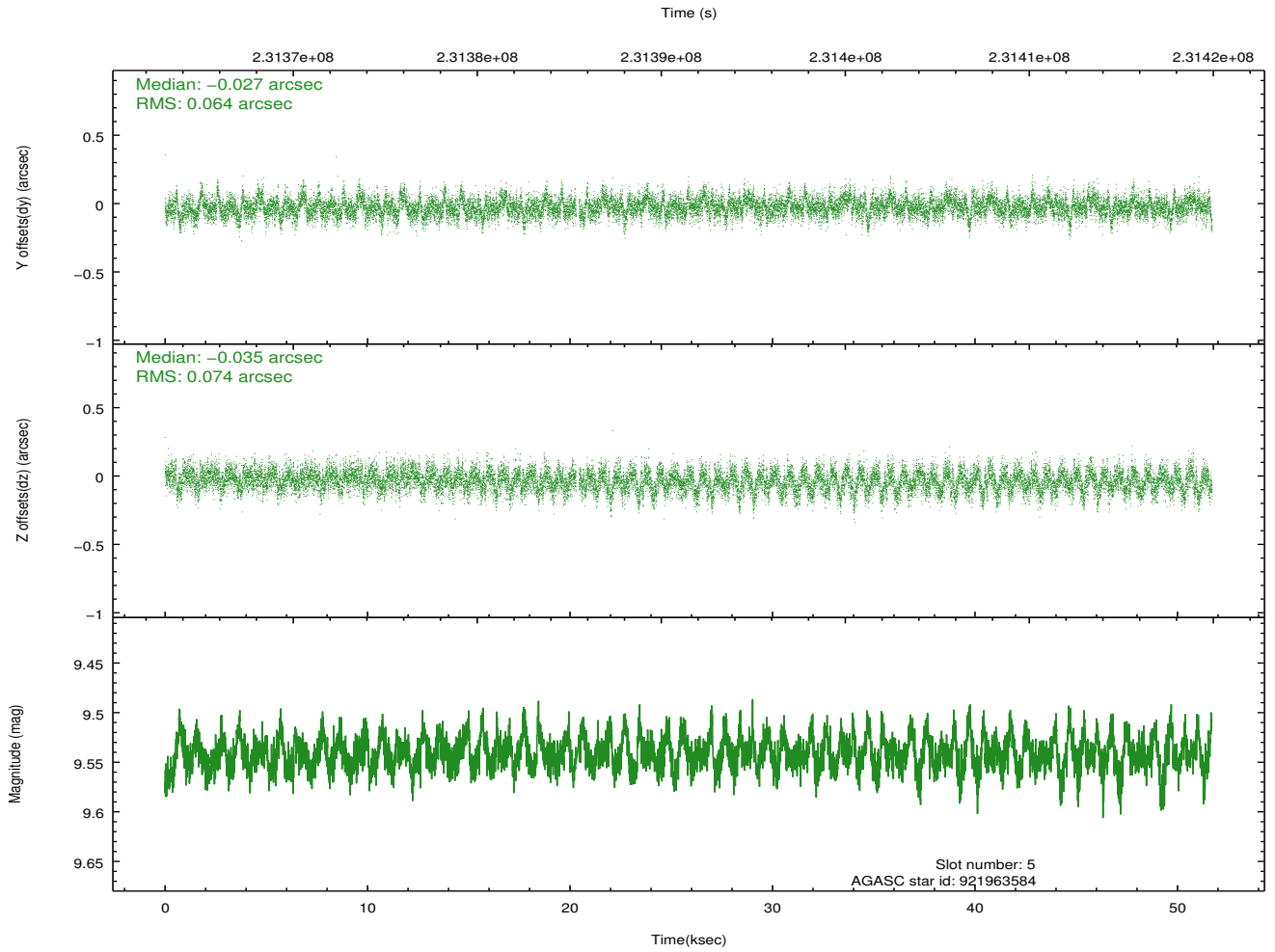
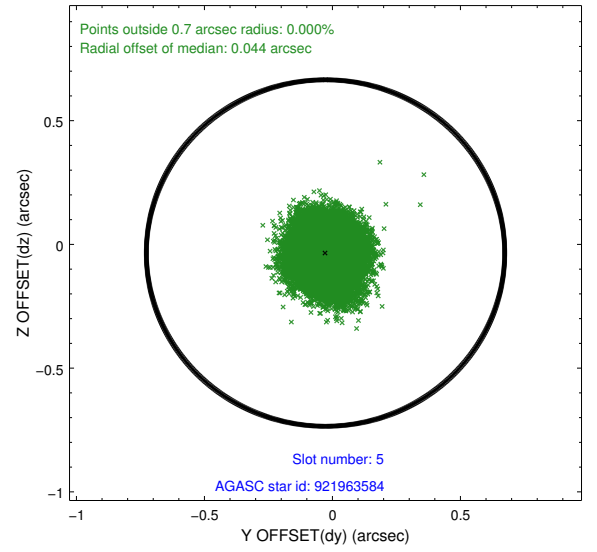
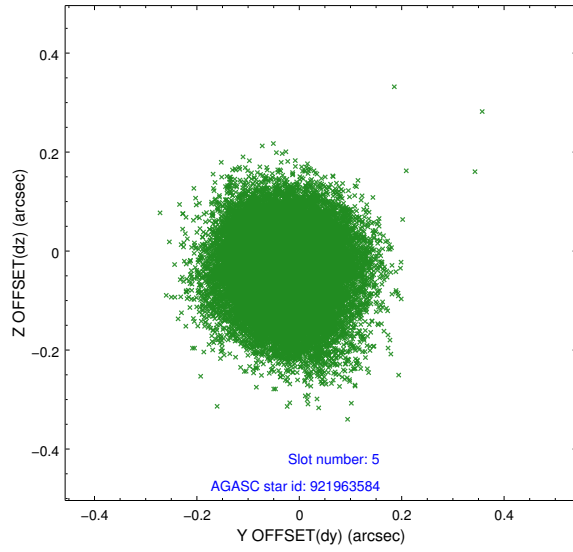
2.4.1 Slot 3



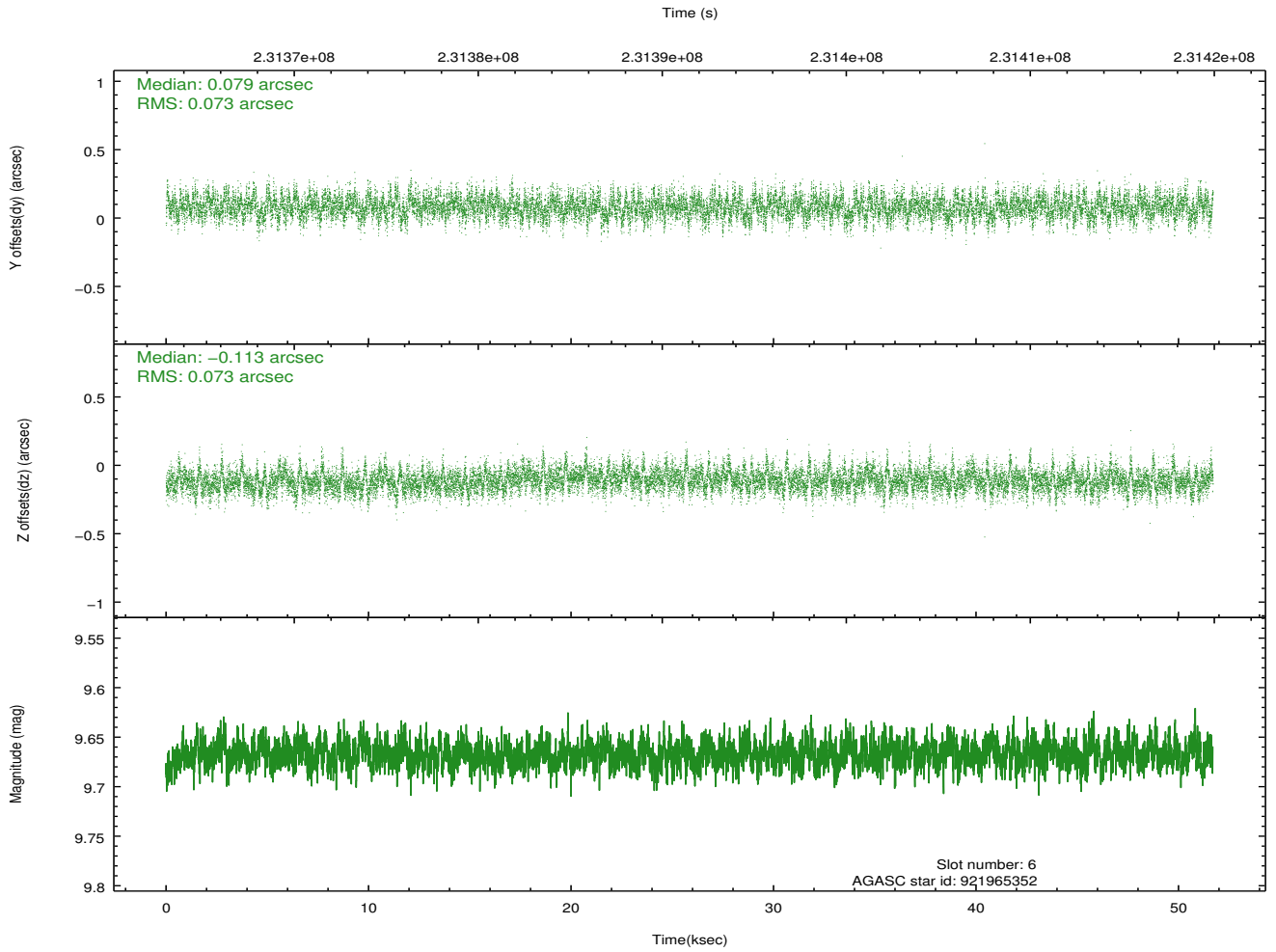
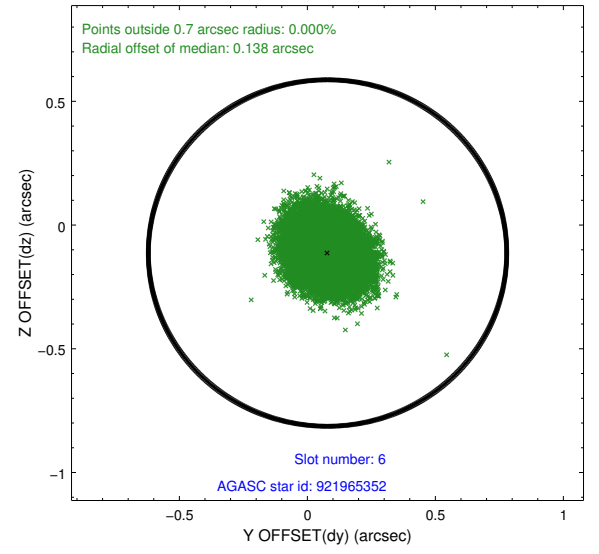
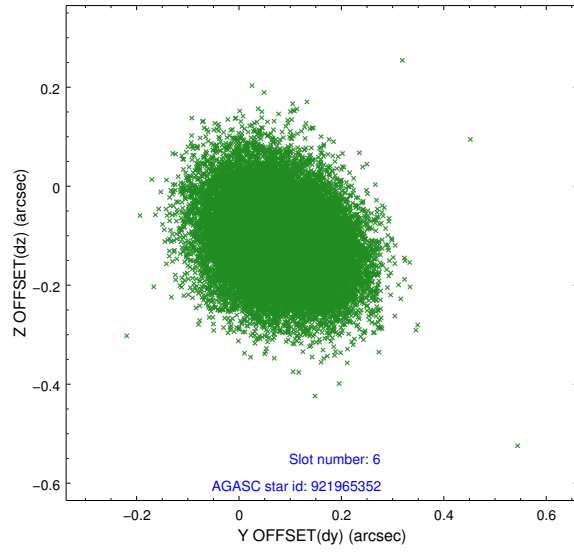
2.4.2 Slot 4



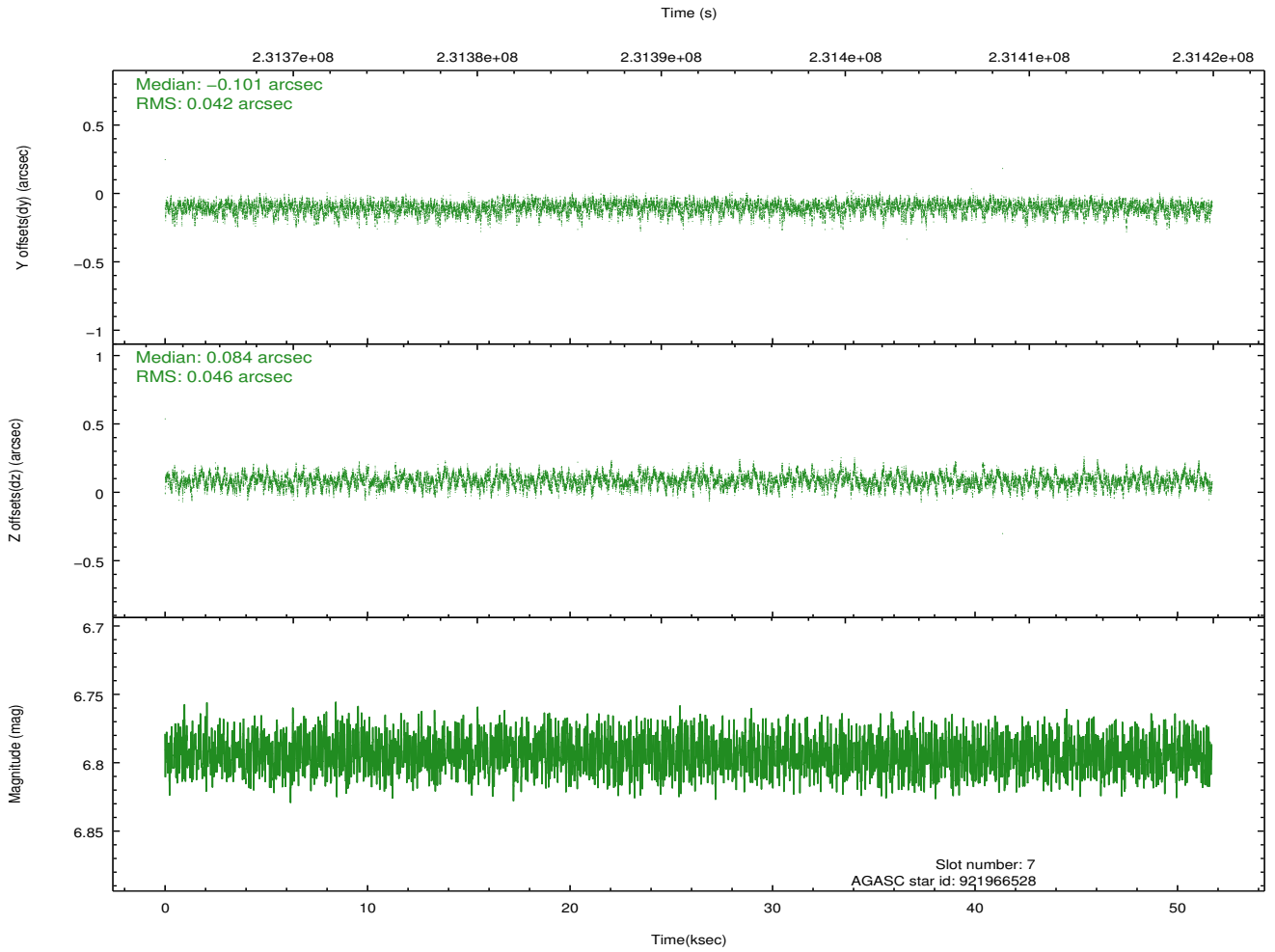
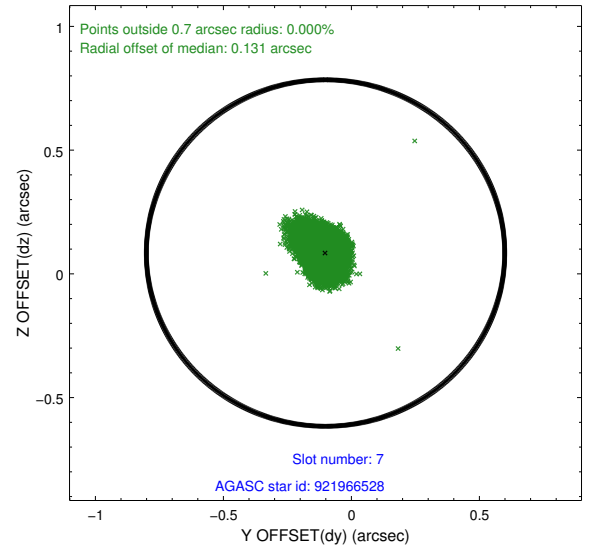
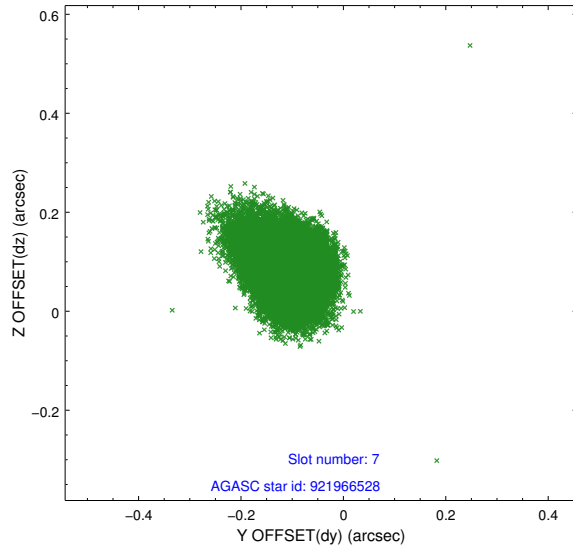
2.4.3 Slot 5



2.4.4 Slot 6

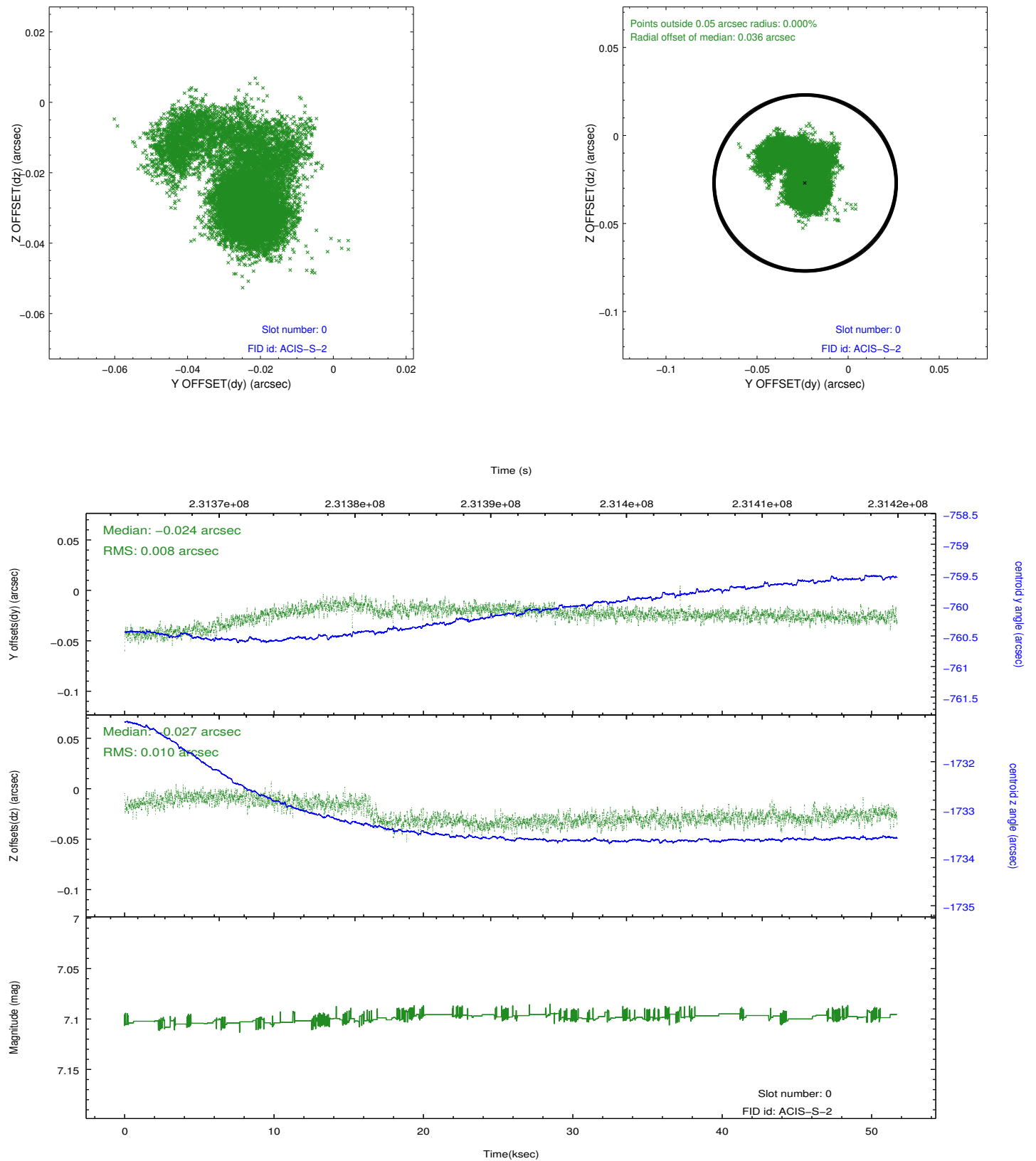


2.4.5 Slot 7

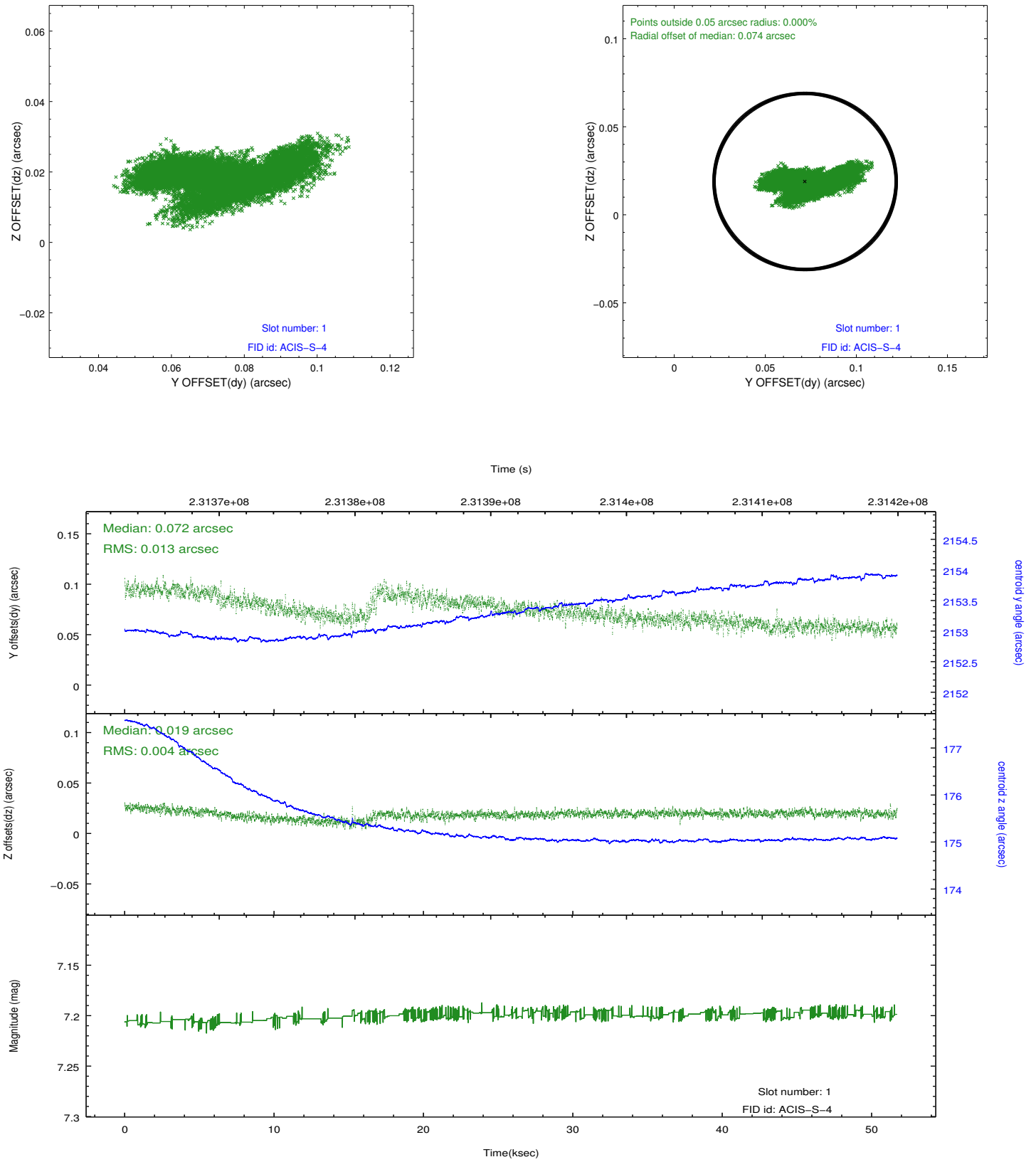


2.5 FID Slots

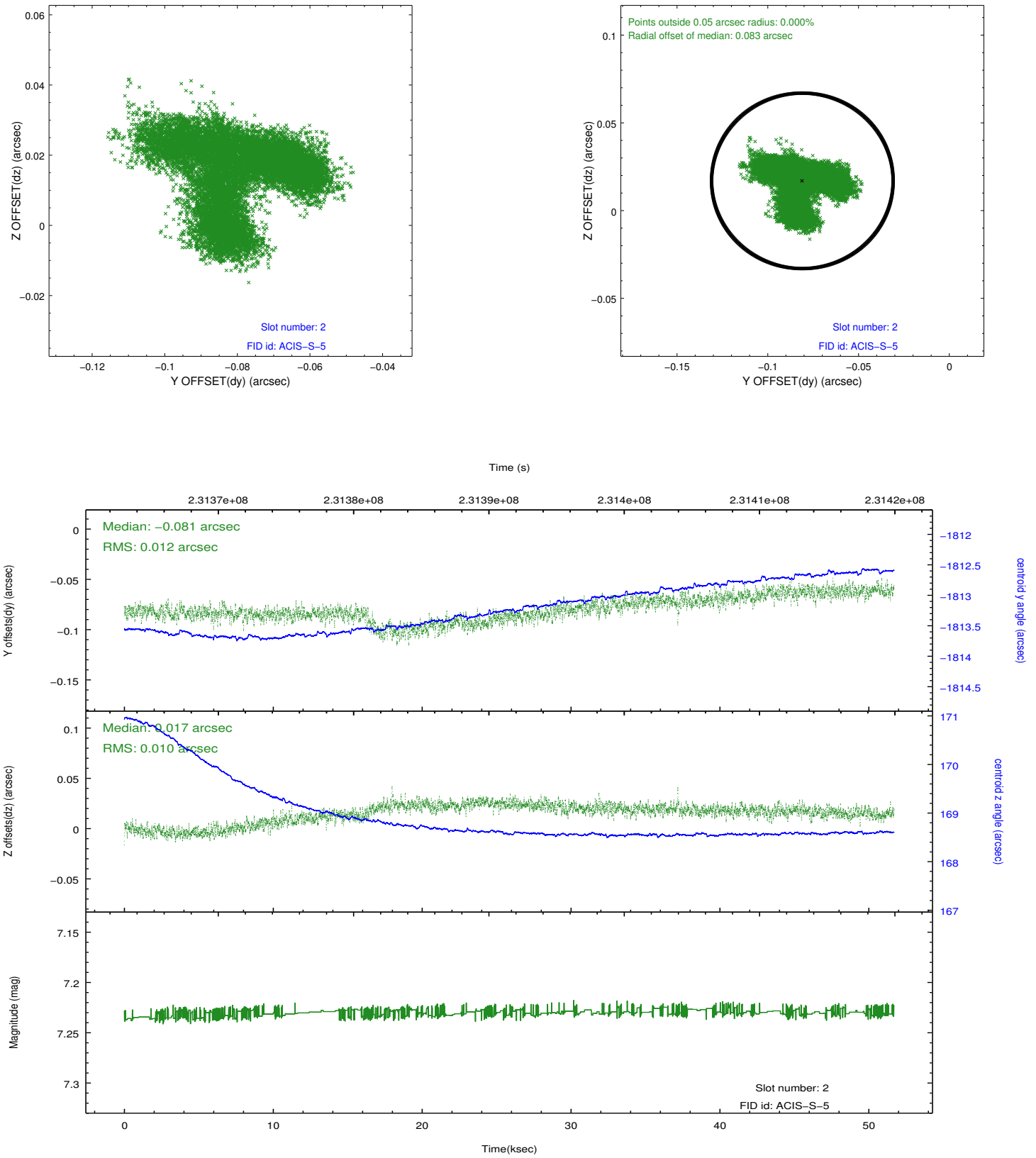
2.5.1 Slot 0



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)	2013.01.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.69599

A.2 Comments