

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4749 - L2 Version 3
Chandra X-Ray Center

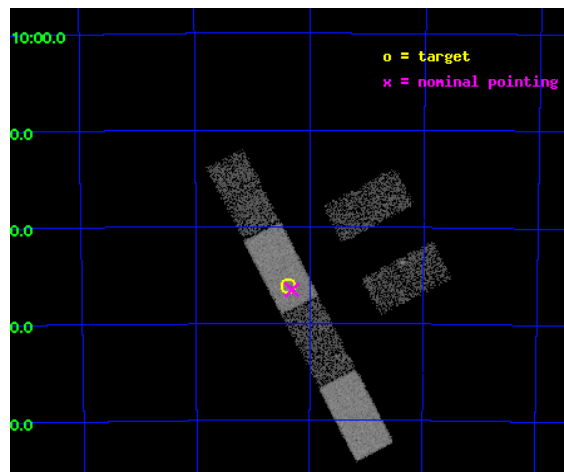
L2 Processing Date : Nov 12 2012

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1 Front

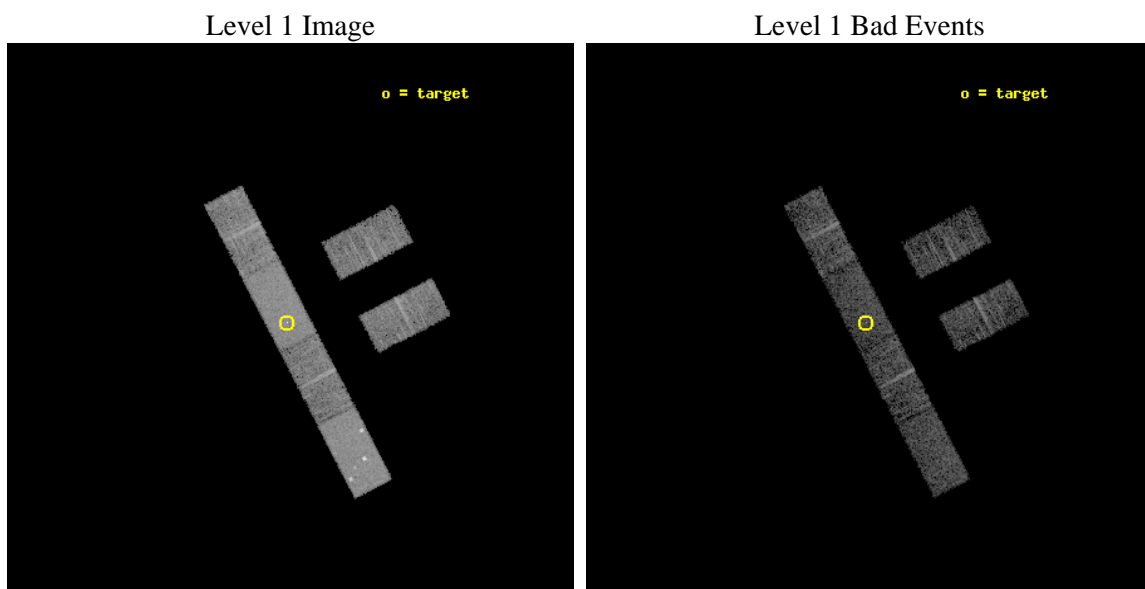
seq_num	600404	Sequence number
obs_id	4749	Observation id
title	Observations of Intermediate Mass Black Hole Candidate Ultra-Luminous X-ray Sources	Proposal title
observer	Dr Jon Miller	Principal investigator
object	NGC 1313 X-2 Obs 1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	49.592917	Observer's specified target RA [deg]
dec_targ	-66.601028	Observer's specified target Dec [deg]
ra_nom	49.578126544777	Nominal RA [deg]
dec_nom	-66.608835180892	Nominal Dec [deg]
roll_nom	242.56463303849	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5337.0000353456	Sum of GTIs [s]
livetime	5218.0289747219	Livetime [s]
ontime2	5337.0000353456	Sum of GTIs [s]
ontime3	5337.0000353456	Sum of GTIs [s]
ontime5	5337.0000353456	Sum of GTIs [s]
ontime6	5337.0000353456	Sum of GTIs [s]
ontime7	5337.0000353456	Sum of GTIs [s]
ontime8	5337.0000353456	Sum of GTIs [s]
l2events	44331	Number of level 2 events



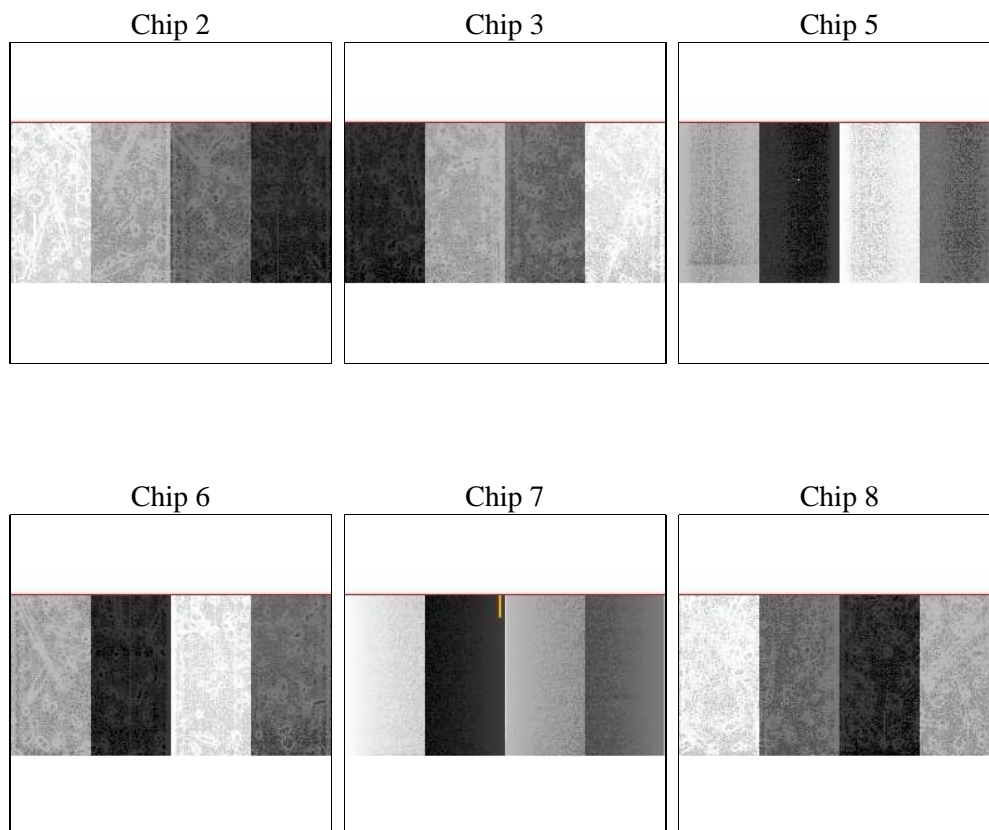
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5337.0000353456	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5337.0000353456	Sum of GTIs [s]
date	2012-11-12T17:10:25	Date and time of file creation	ontime3	5337.0000353456	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5337.0000353456	Sum of GTIs [s]
			ontime6	5337.0000353456	Sum of GTIs [s]
			ontime7	5337.0000353456	Sum of GTIs [s]
			ontime8	5337.0000353456	Sum of GTIs [s]
			l1events	154597	Number of level 1 events

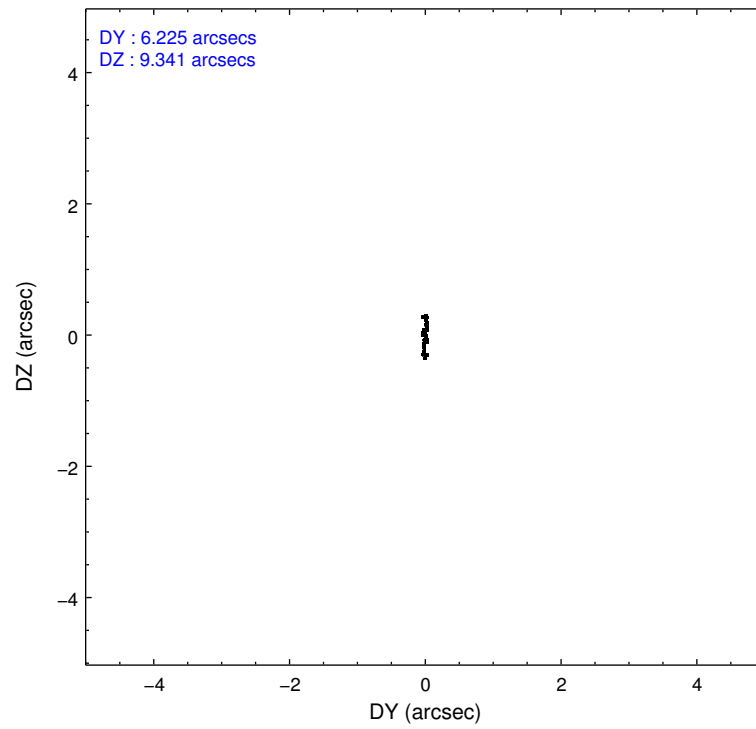
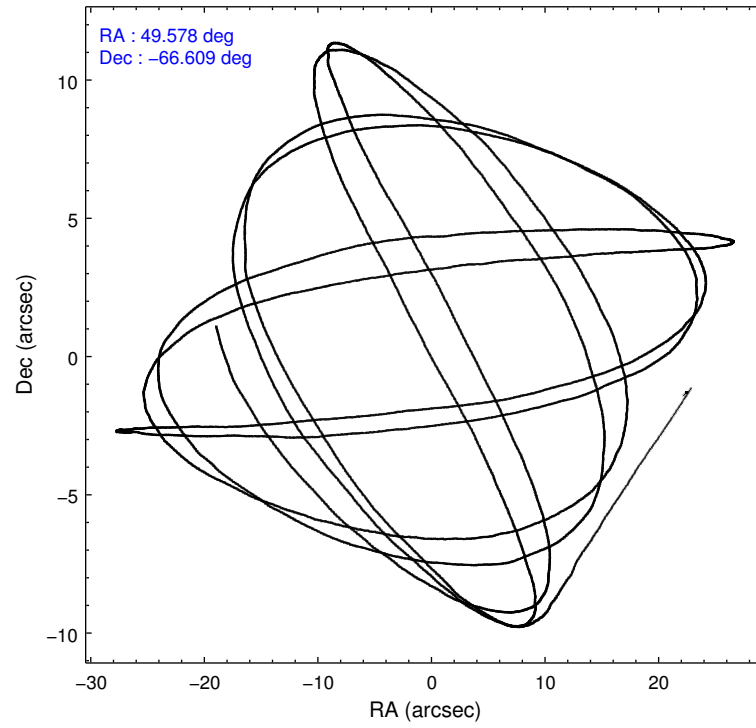
2.1.4 Events

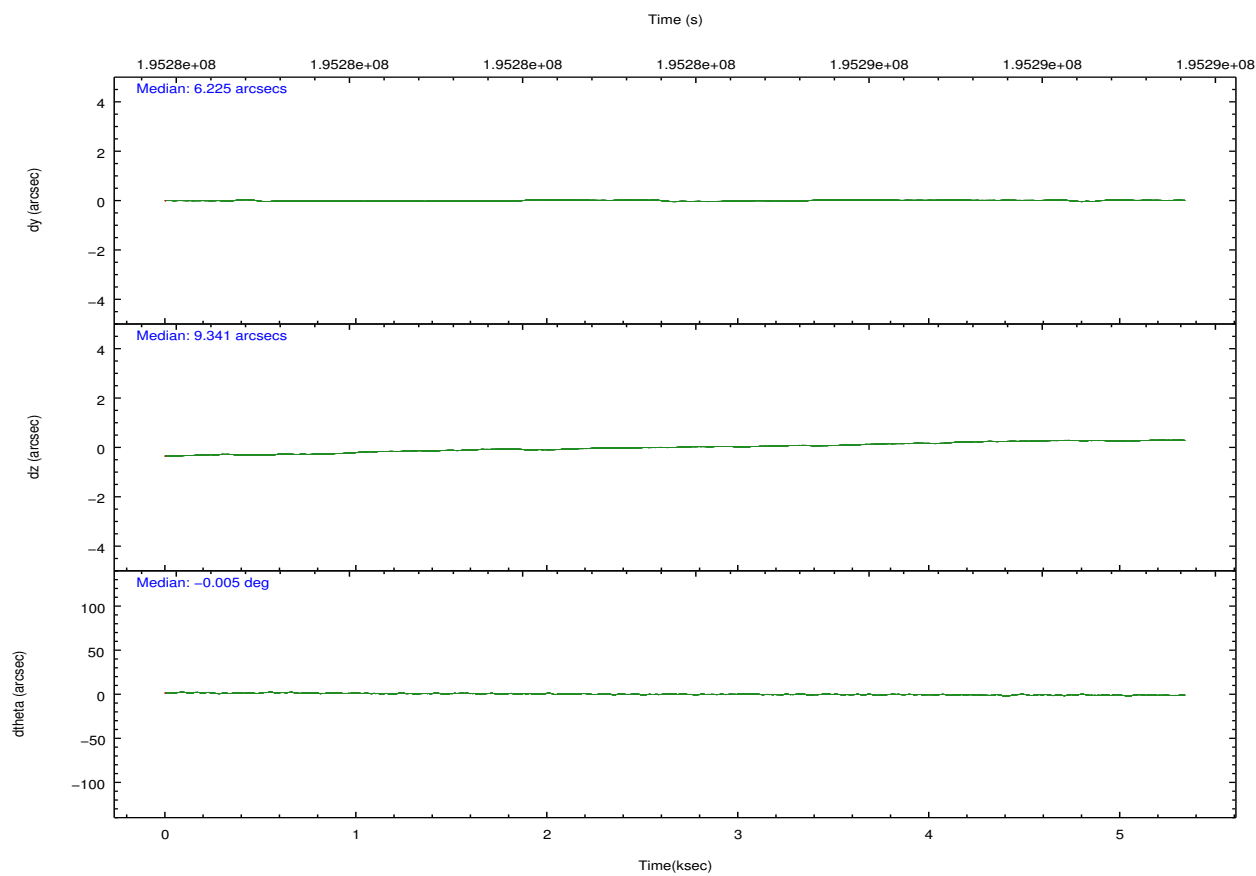
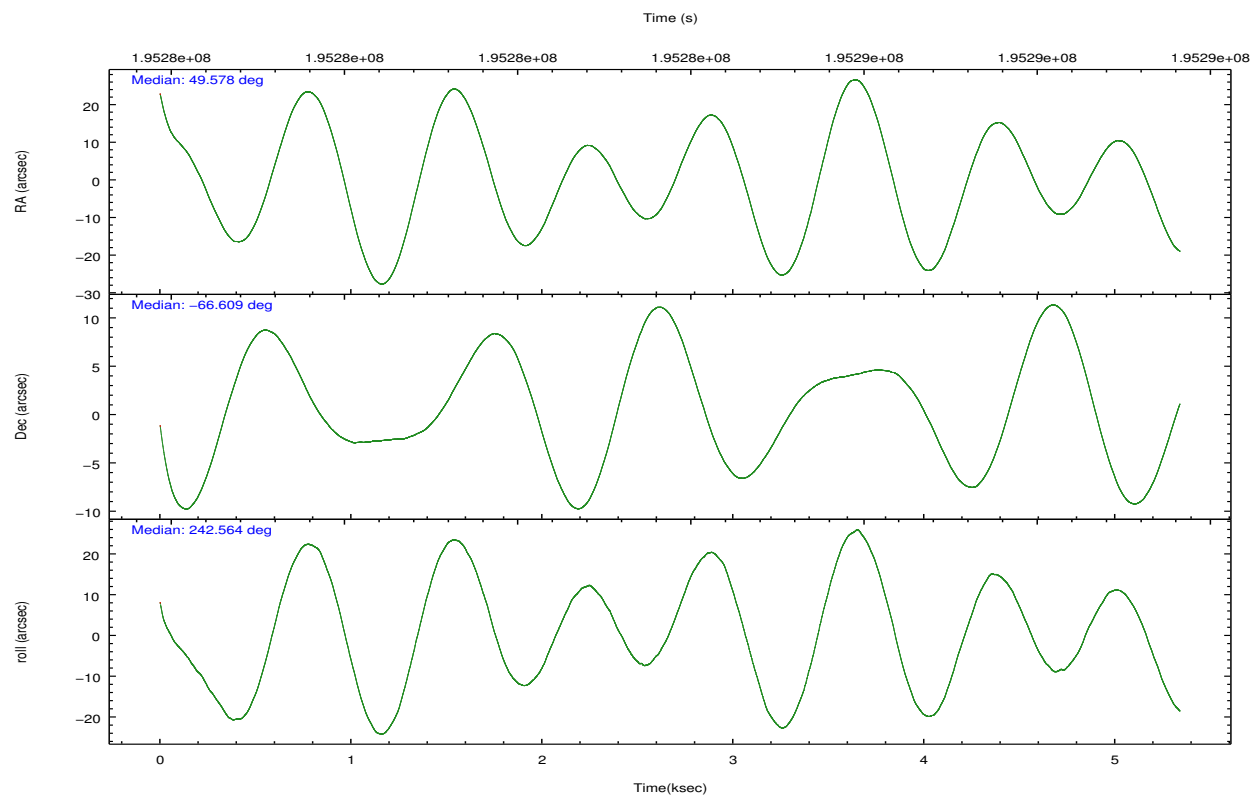
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19810	18270	37922	19999	33125	25471	grade 0 events	1177	1001	5429	1300	2002	1965
rejected events	17266	16036	15903	17227	15331	19965		5%	5%	14%	6%	6%	7%
rejected %	87%	87%	41%	86%	46%	78%	grade 1 events	14	4	71	2	27	13
								0%	0%	0%	0%	0%	0%
							grade 2 events	466	399	5895	536	3549	1106
								2%	2%	15%	2%	10%	4%
							grade 3 events	256	256	1032	243	1659	591
								1%	1%	2%	1%	5%	2%
							grade 4 events	296	254	985	289	1571	515
								1%	1%	2%	1%	4%	2%
							grade 5 events	761	787	2185	888	2484	1110
								3%	4%	5%	4%	7%	4%
							grade 6 events	371	350	8900	432	9160	1369
								1%	1%	23%	2%	27%	5%
							grade 7 events	16469	15219	13425	16309	12673	18802
								83%	83%	35%	81%	38%	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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	49.574081	49.57812654477669	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-66.581522	-66.60883518089206	Subarray start row	257	257
[deg] Pointing Roll	242.404301	242.5646330384891	Subarray row count	512	512
[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	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	195282550.184000	195281512.95919			
Observation start date	2004-03-10T05:08:06	2004-03-10T04:51:52			
[s] Observation end time (MET)	195287550.184000	195288148.29698			
Observation end date	2004-03-10T06:31:26	2004-03-10T06:42:28			
Read mode	TIMED	TIMED			

2.3 Aspect



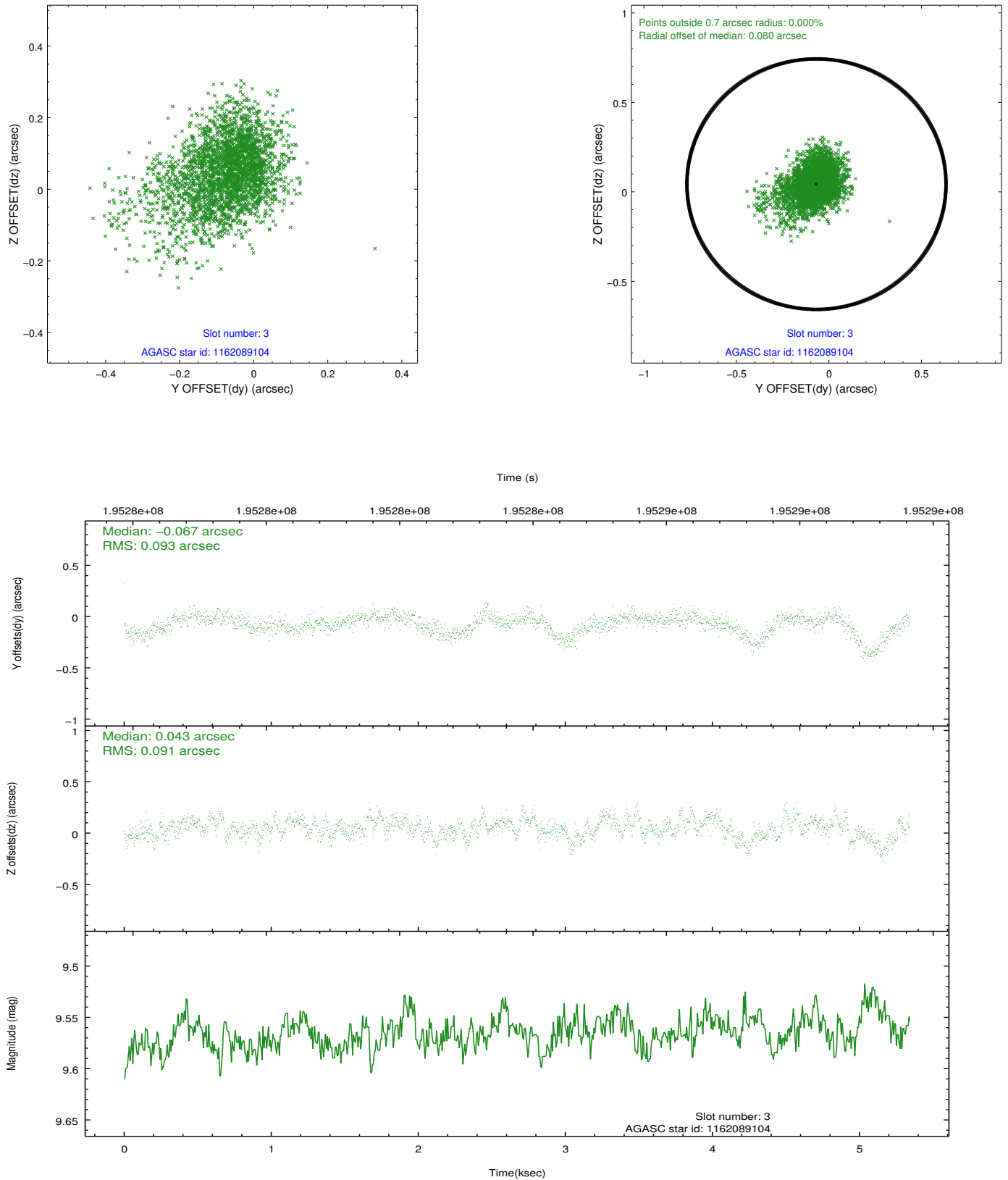


Slot Statistics

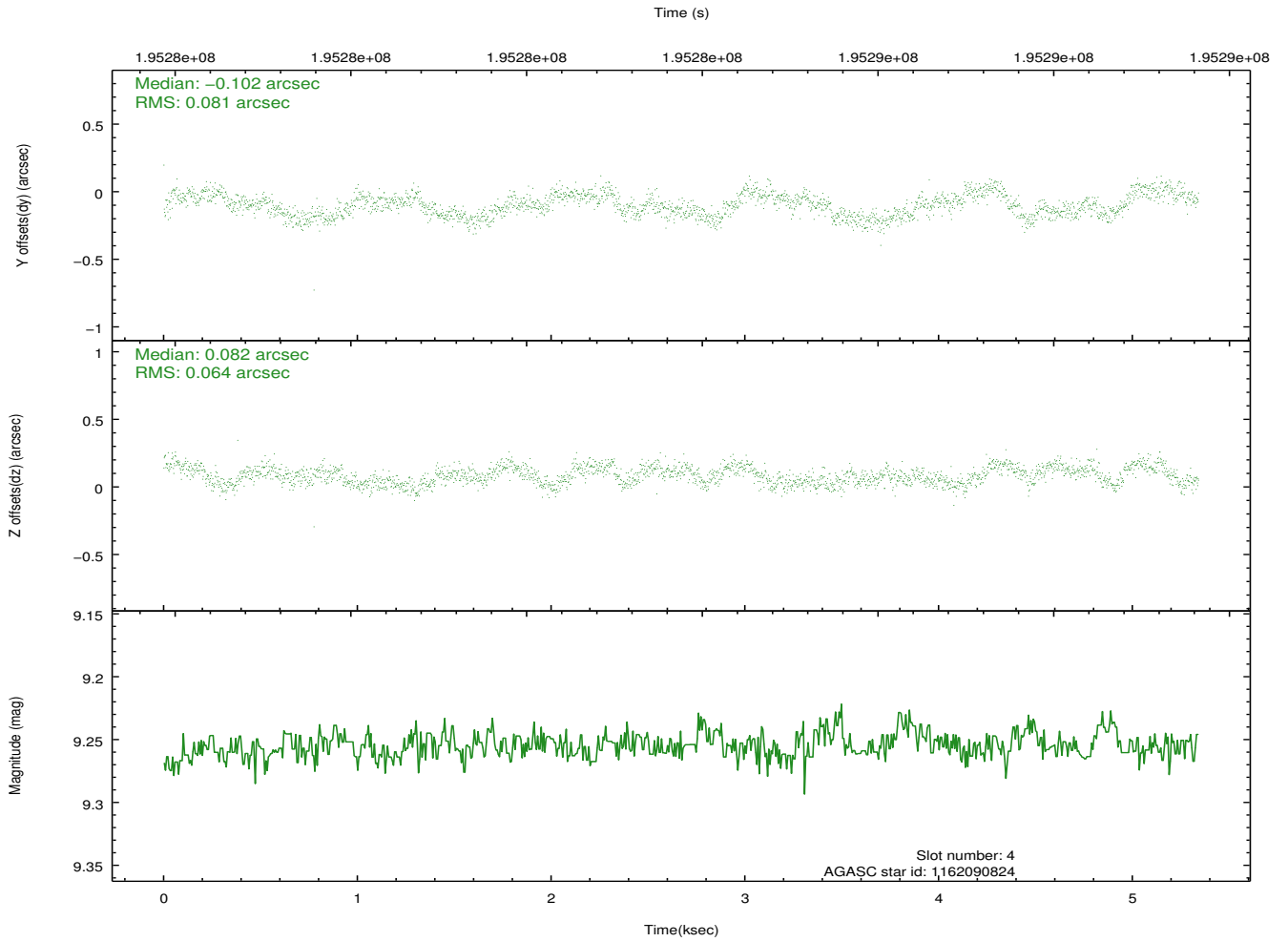
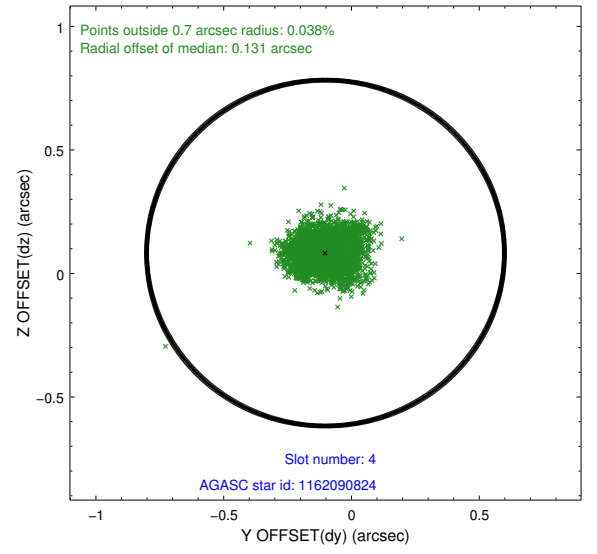
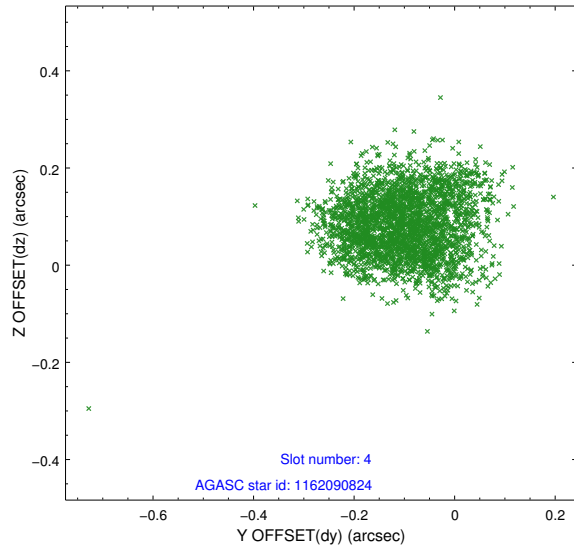
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1303	0.005	-0.010	0.010	0.016	0.000000	0.000000	937.07	-1726.17
1	FID	ACIS-S-4	7.20	1303	0.058	0.008	0.007	0.012	0.000000	0.000000	2155.17	176.84
2	FID	ACIS-S-5	7.23	1302	-0.090	0.014	0.008	0.014	0.000000	0.000000	-1810.43	171.75
3	GUIDE	1162089104	9.57	2605	-0.067	0.043	0.131	0.234	48.422126	-66.410699	237.38	-1748.39
4	GUIDE	1162090824	9.26	2605	-0.102	0.082	0.112	0.170	48.677982	-66.885202	1563.74	-612.26
5	GUIDE	1162094224	9.72	2604	-0.028	-0.114	0.091	0.143	49.638584	-66.701903	342.31	281.84
6	GUIDE	1162095544	10.19	2601	0.057	-0.109	0.159	0.246	48.846024	-66.171463	-812.03	-1619.37
7	GUIDE	1162088248	7.58	2605	0.148	0.100	0.063	0.110	49.751966	-65.888113	-2333.15	-924.88

2.4 Star Slots

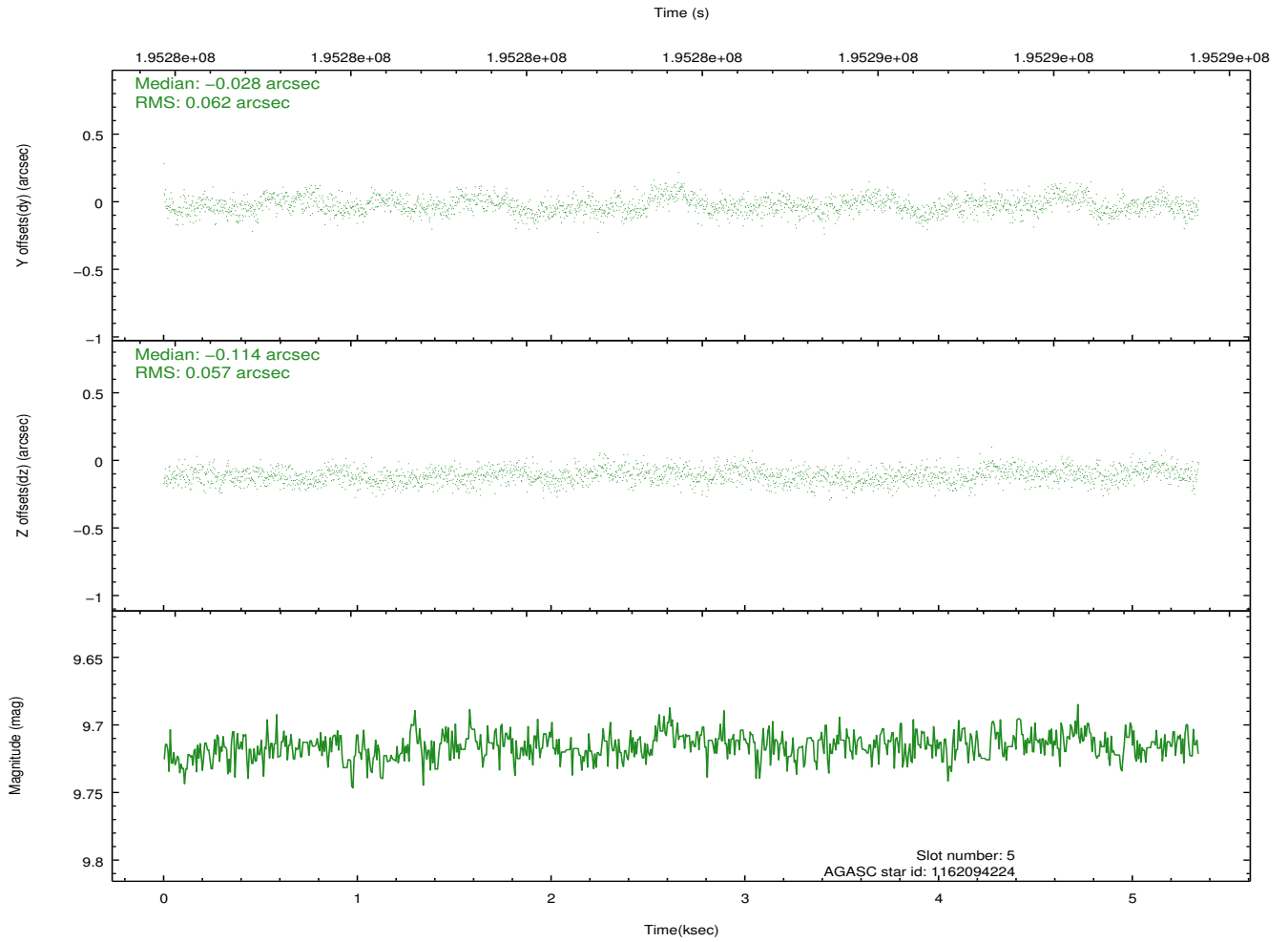
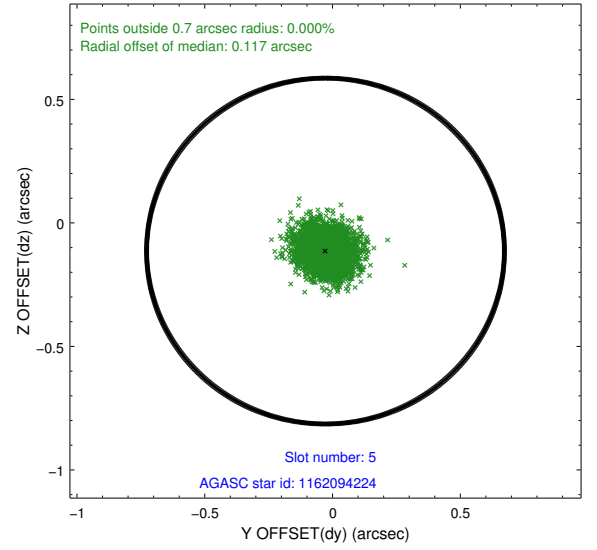
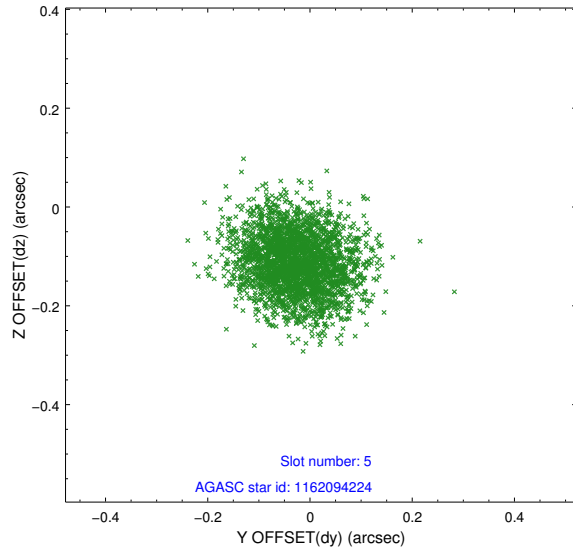
2.4.1 Slot 3



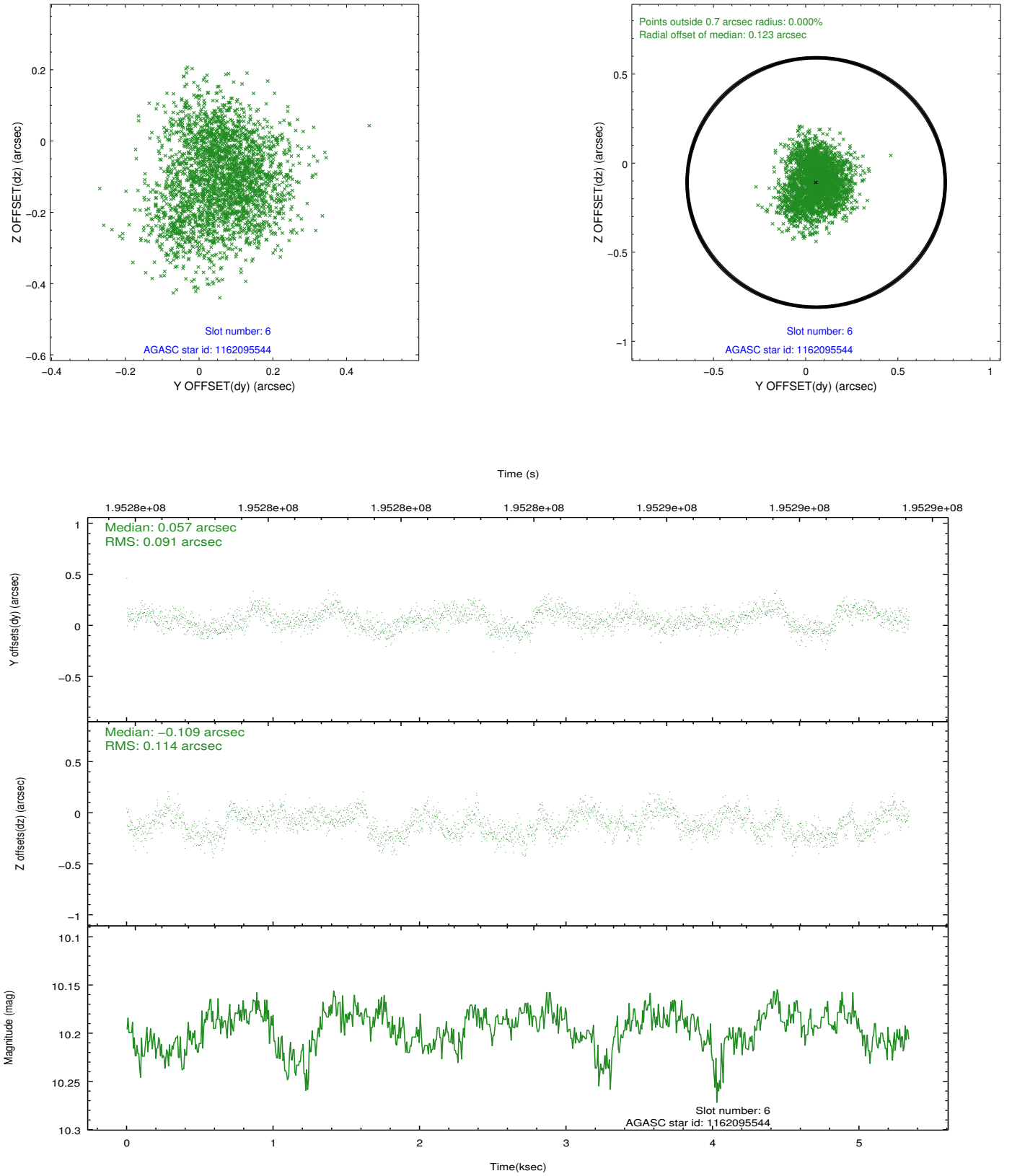
2.4.2 Slot 4



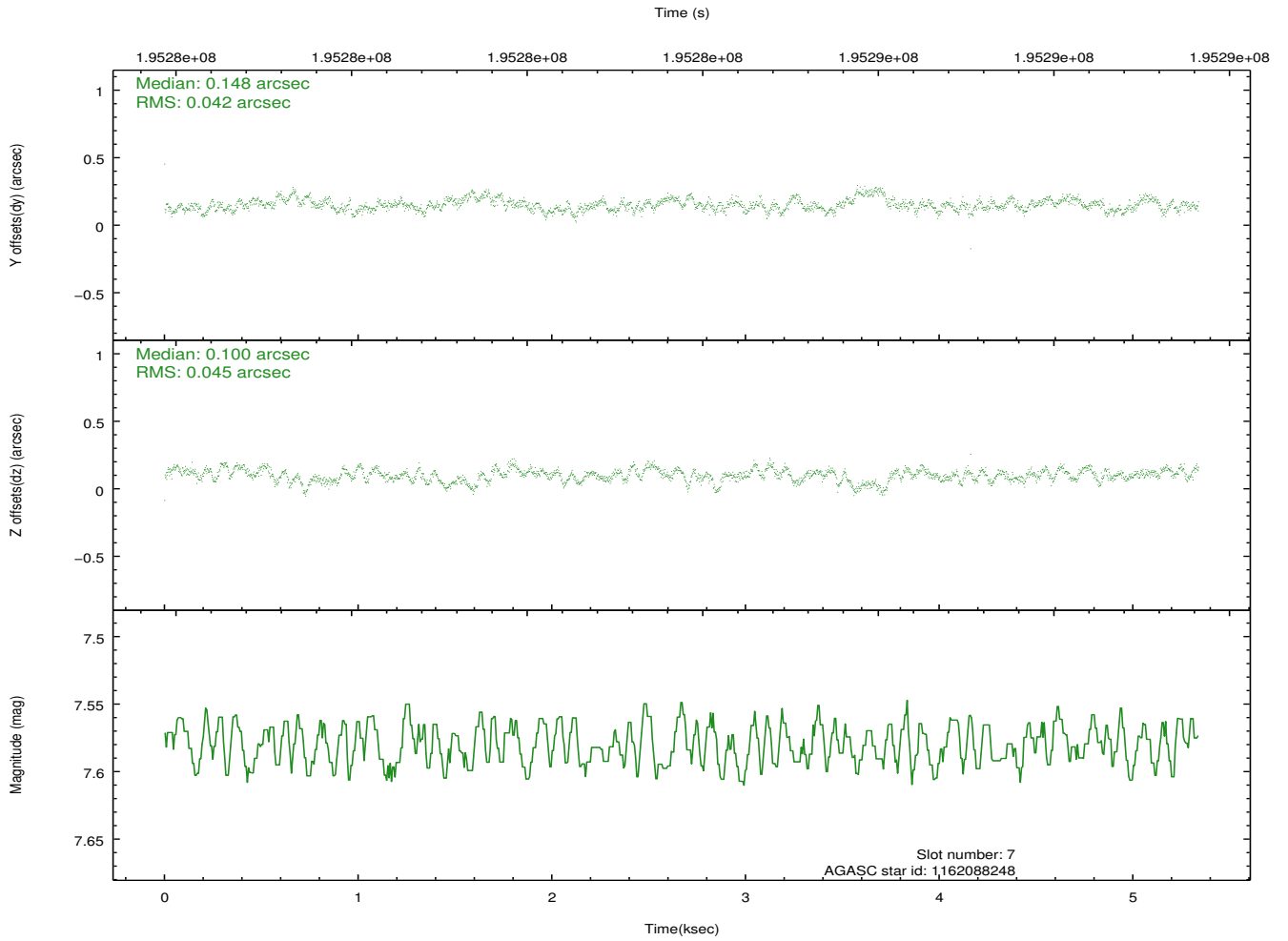
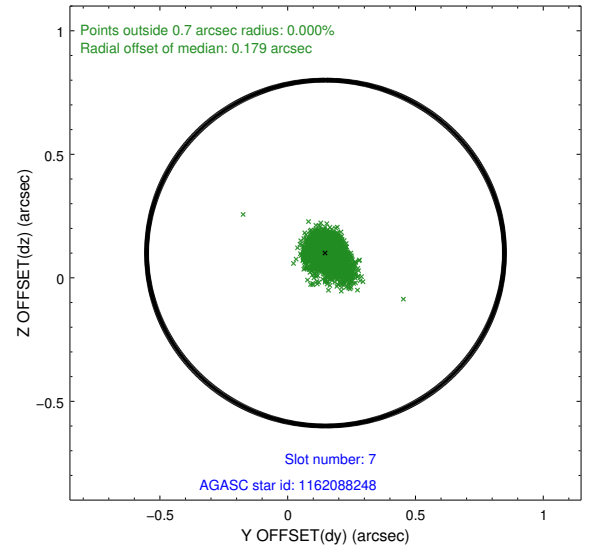
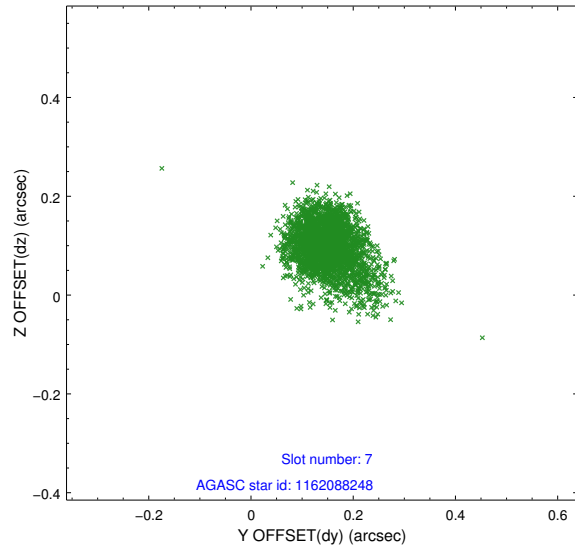
2.4.3 Slot 5



2.4.4 Slot 6

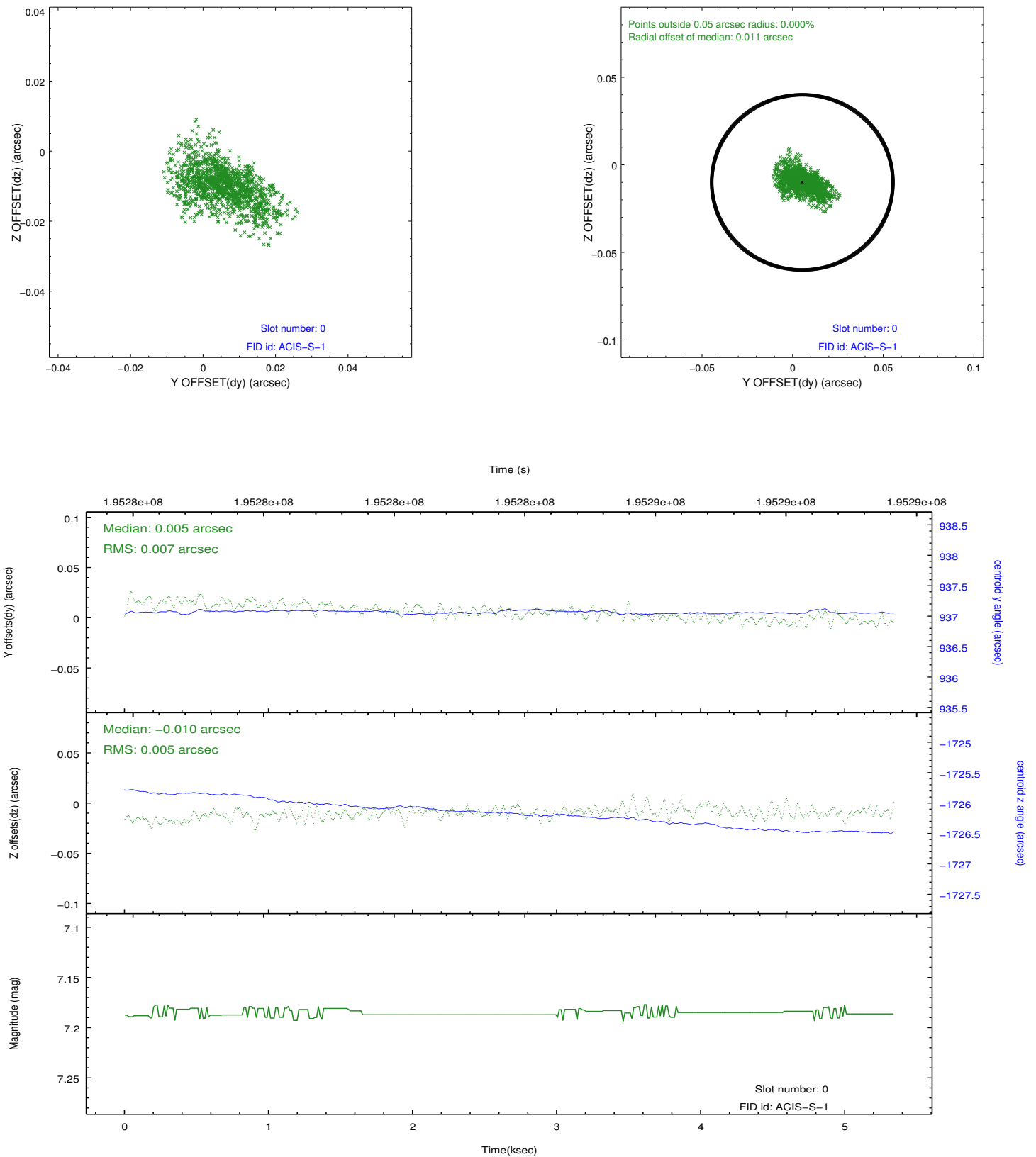


2.4.5 Slot 7

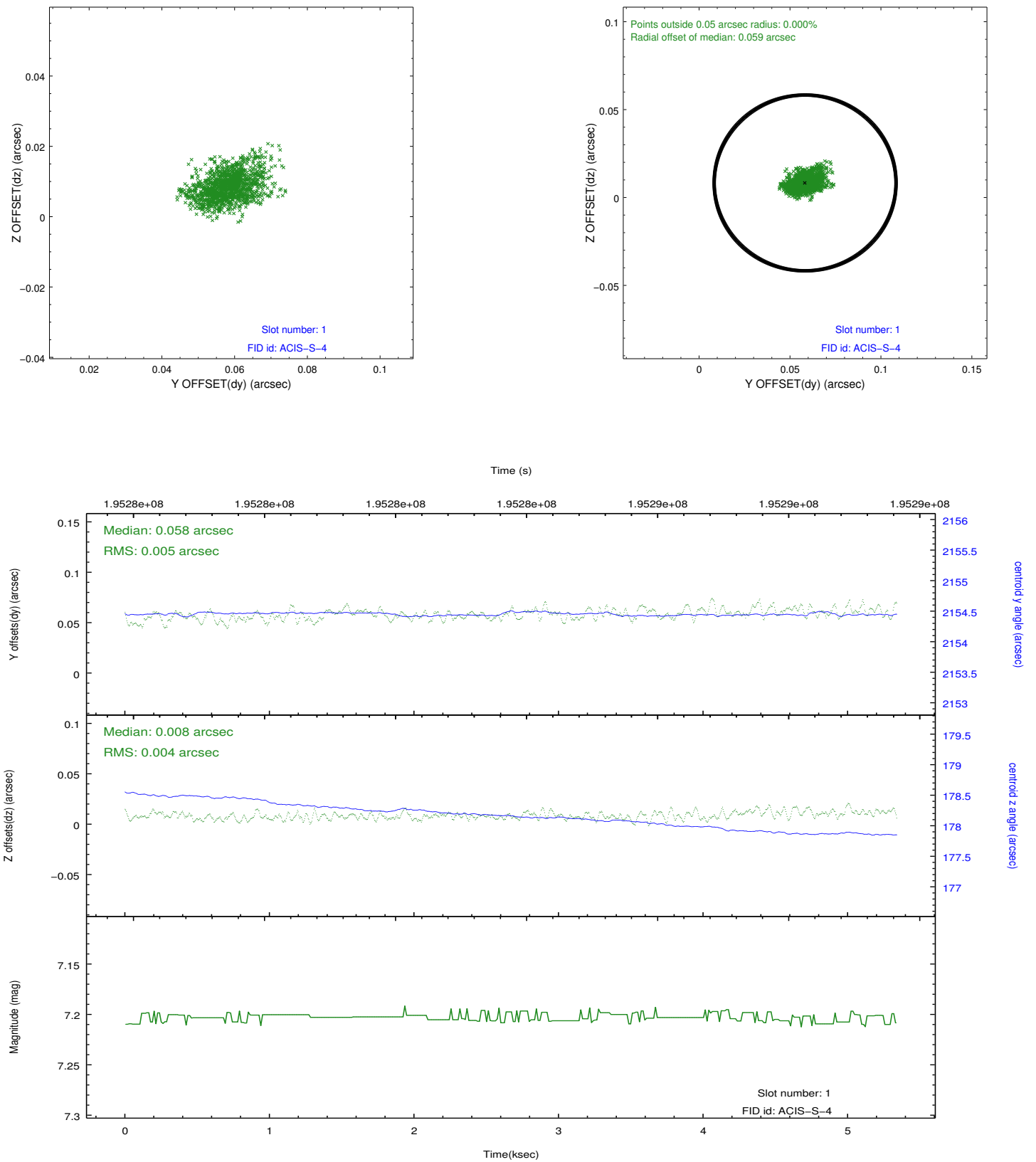


2.5 FID Slots

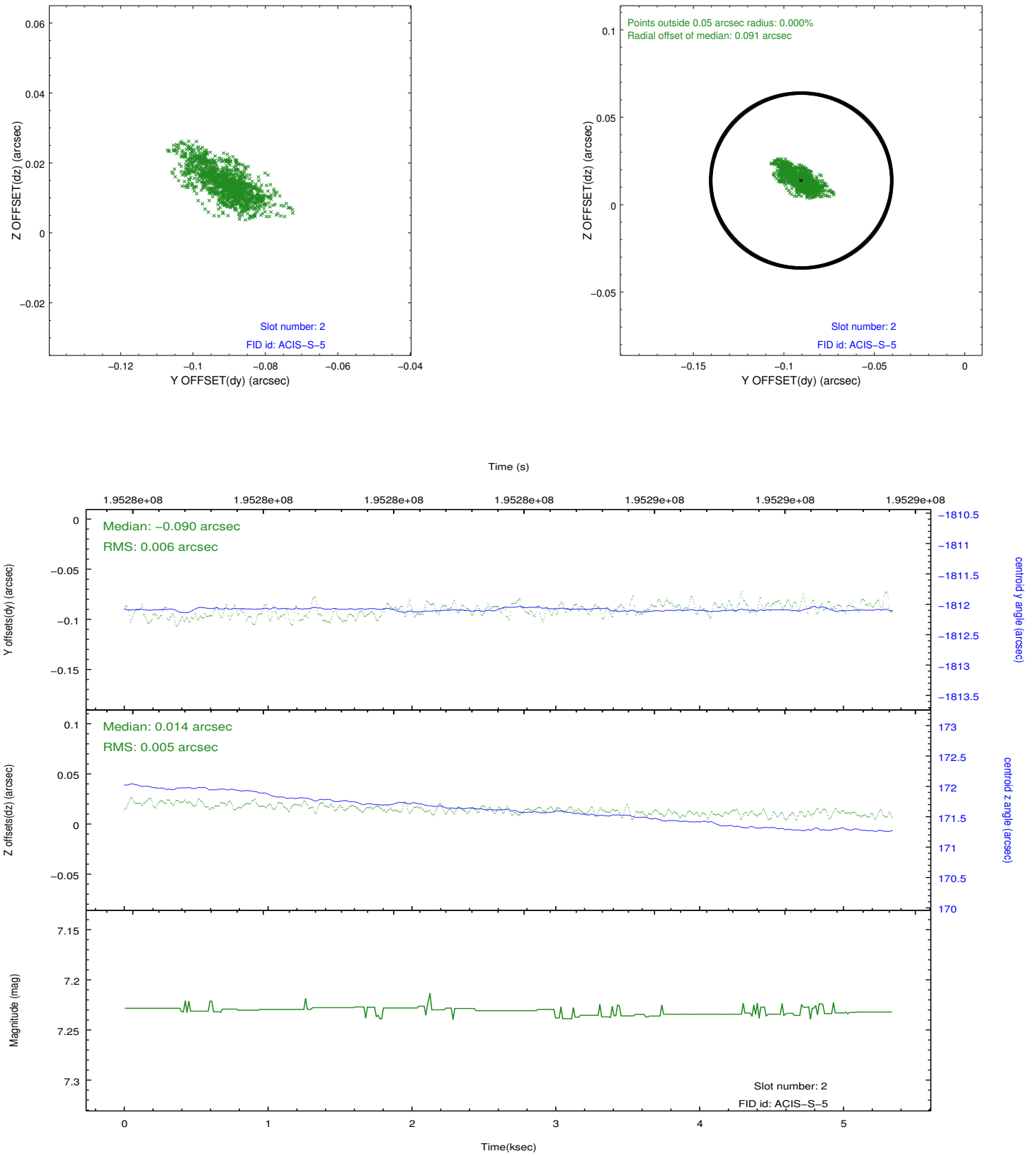
2.5.1 Slot 0



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)	2012.12.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.337

A.2 Comments

Joint Proposal: CX0-HST