

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11985 - L2 Version 2
Chandra X-Ray Center

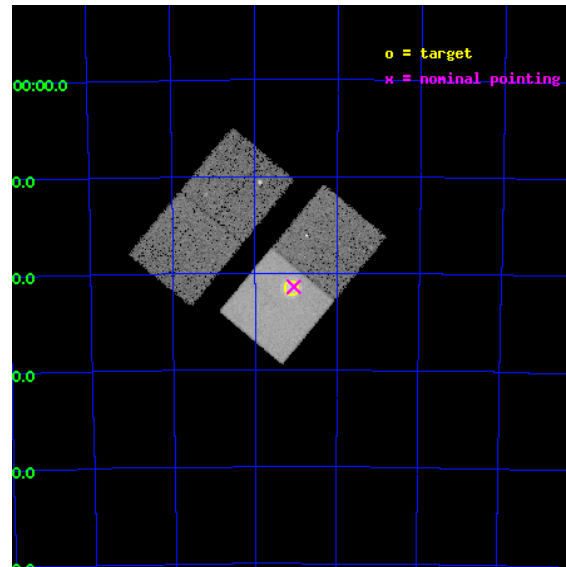
L2 Processing Date : Jun 26 2012

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1 Front

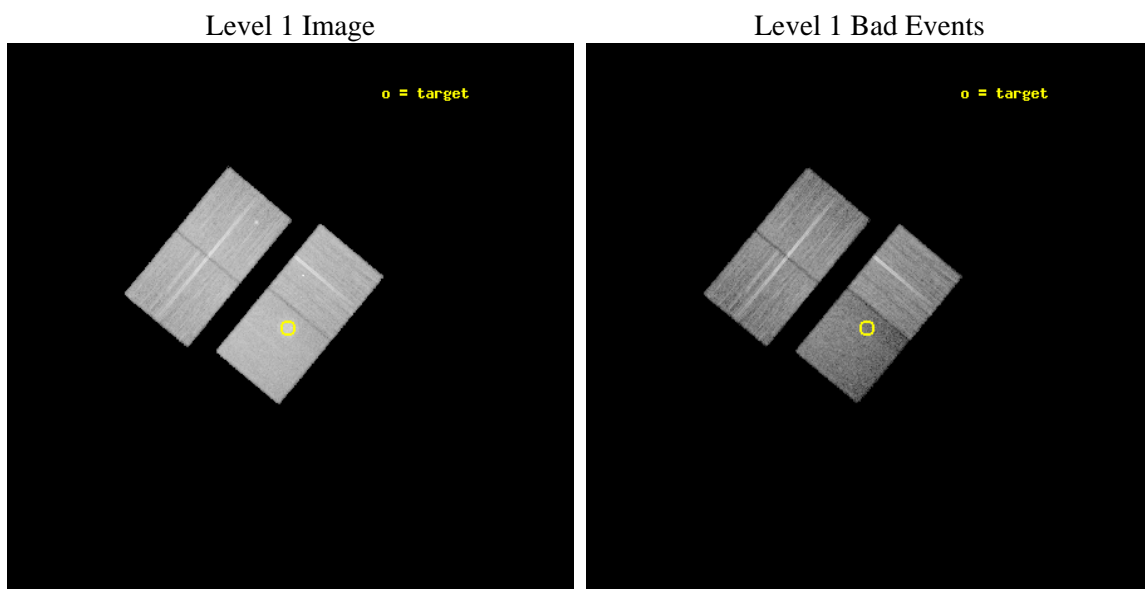
seq_num	501185	Sequence number
obs_id	11985	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.763198884295	Nominal RA [deg]
dec_nom	-73.356795418966	Nominal Dec [deg]
roll_nom	129.64131127849	Nominal Roll [deg]
revision	2	Processing version of data
ontime	21049.000161886	Sum of GTIs [s]
livetime	20773.979478723	Livetime [s]
ontime2	21049.000161886	Sum of GTIs [s]
ontime3	21049.000161886	Sum of GTIs [s]
ontime6	21045.859171689	Sum of GTIs [s]
ontime7	21049.000161886	Sum of GTIs [s]
l2events	123926	Number of level 2 events



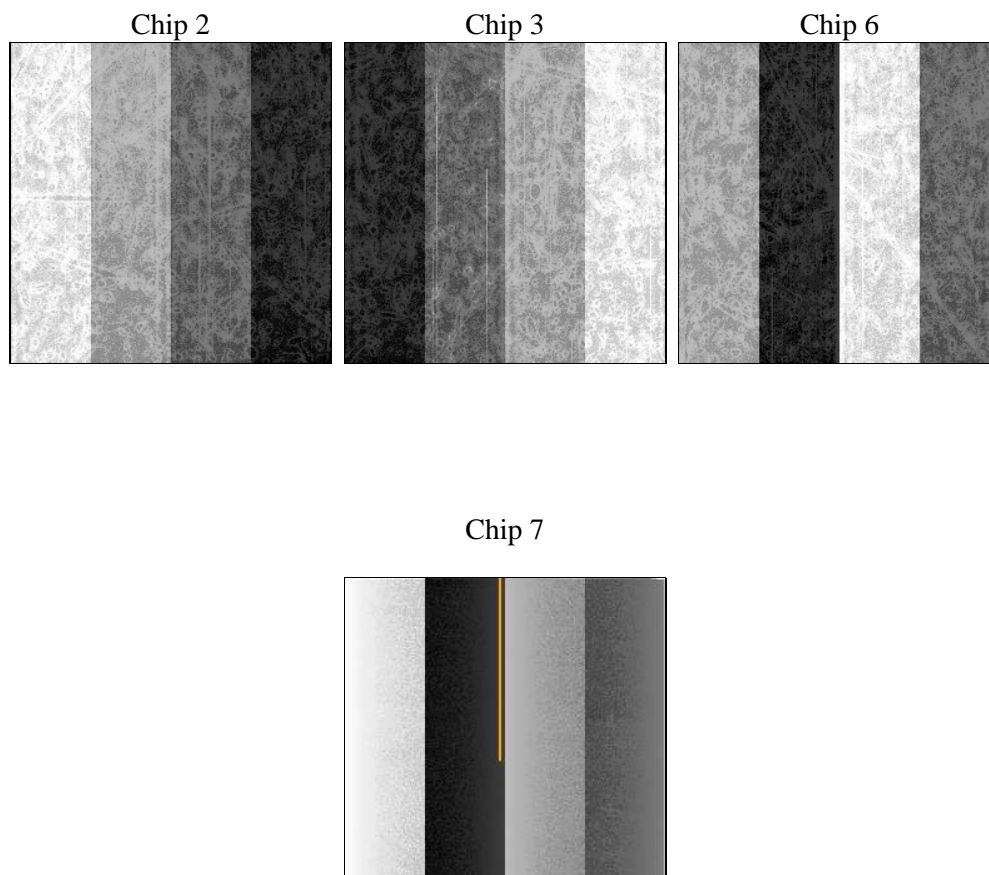
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	21000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	21049.000161886	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	21049.000161886	Sum of GTIs [s]
date	2012-06-26T14:08:16	Date and time of file creation	ontime3	21049.000161886	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	21045.859171689	Sum of GTIs [s]
			ontime7	21049.000161886	Sum of GTIs [s]
			l1events	629843	Number of level 1 events

2.1.4 Events

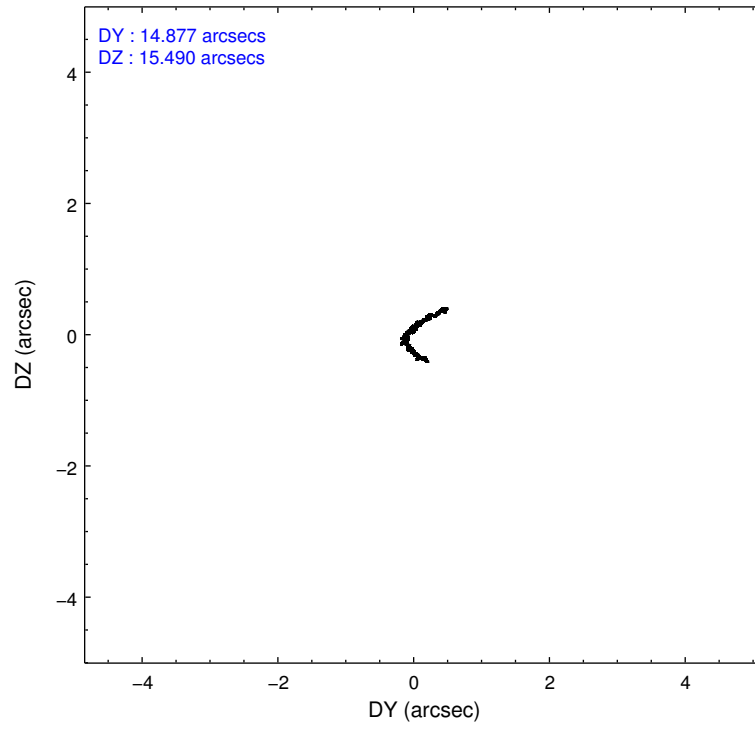
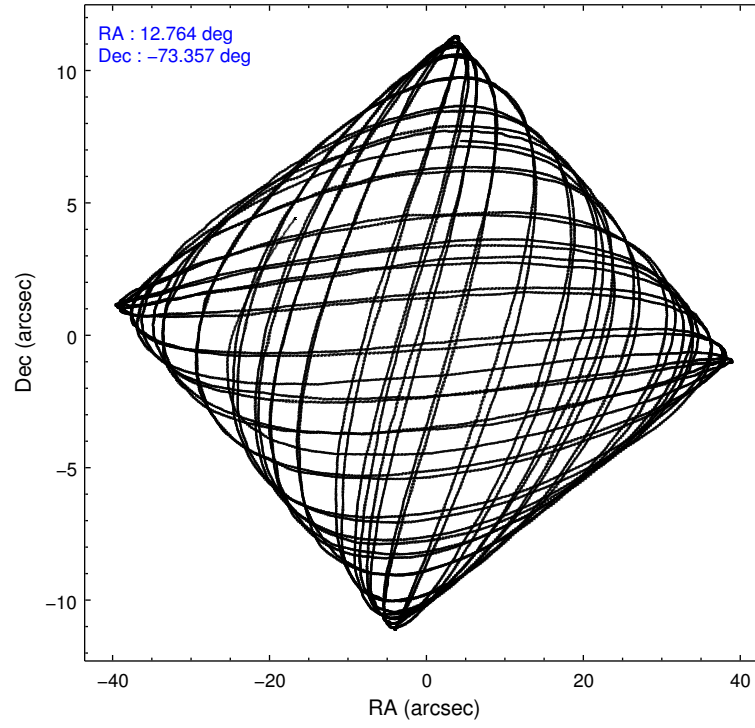
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	157642	148682	159821	163698
rejected events	140785	133598	141970	79908
rejected %	89%	89%	88%	48%

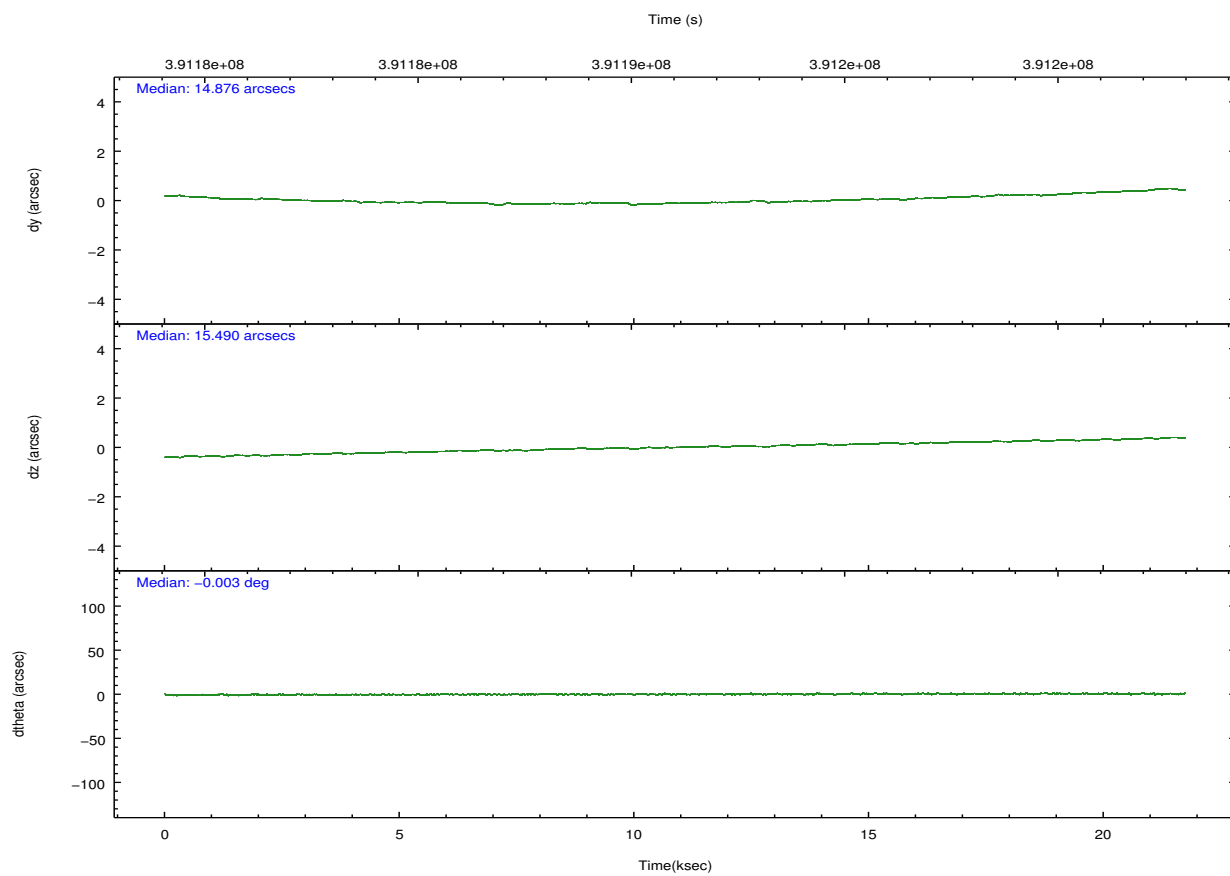
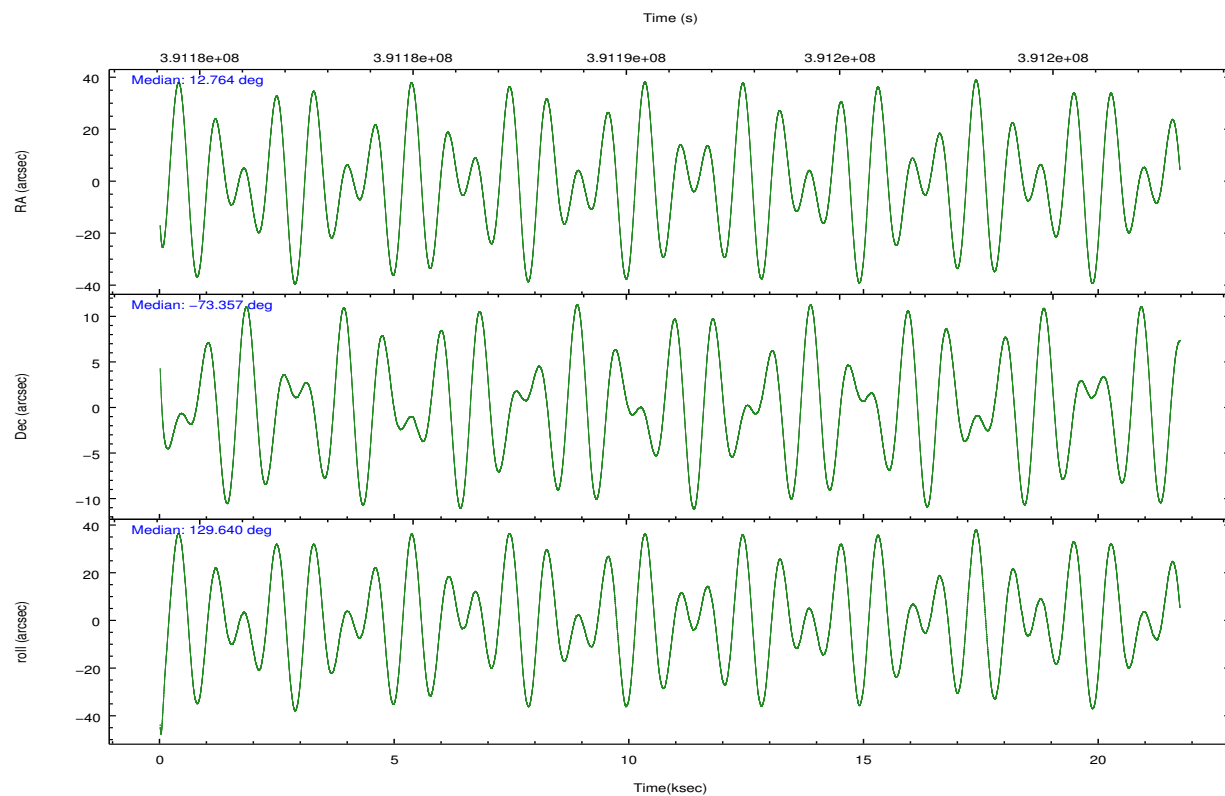
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6681	5499	6962	10515
	4%	3%	4%	6%
grade 1 events	96	93	100	233
	0%	0%	0%	0%
grade 2 events	4047	3273	3934	18363
	2%	2%	2%	11%
grade 3 events	1586	1675	1731	7914
	1%	1%	1%	4%
grade 4 events	1724	1715	1796	7742
	1%	1%	1%	4%
grade 5 events	4744	5753	5854	16661
	3%	3%	3%	10%
grade 6 events	2822	2925	3431	39265
	1%	1%	2%	23%
grade 7 events	135942	127749	136013	63005
	86%	85%	85%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	12.853123	12.76319888429492	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.365925	-73.35679541896637	Alternating exposures requested	N	N
[deg] Pointing Roll	129.570858	129.641311278489	[s] Primary exposure time	0.000000	3.1
[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)	391180903.184000	391179362.67043			
Observation start date	2010-05-25T13:20:37	2010-05-25T12:56:02			
[s] Observation end time (MET)	391201903.184000	391202603.52161			
Observation end date	2010-05-25T19:10:37	2010-05-25T19:23:23			
Read mode	TIMED	TIMED			

2.3 Aspect



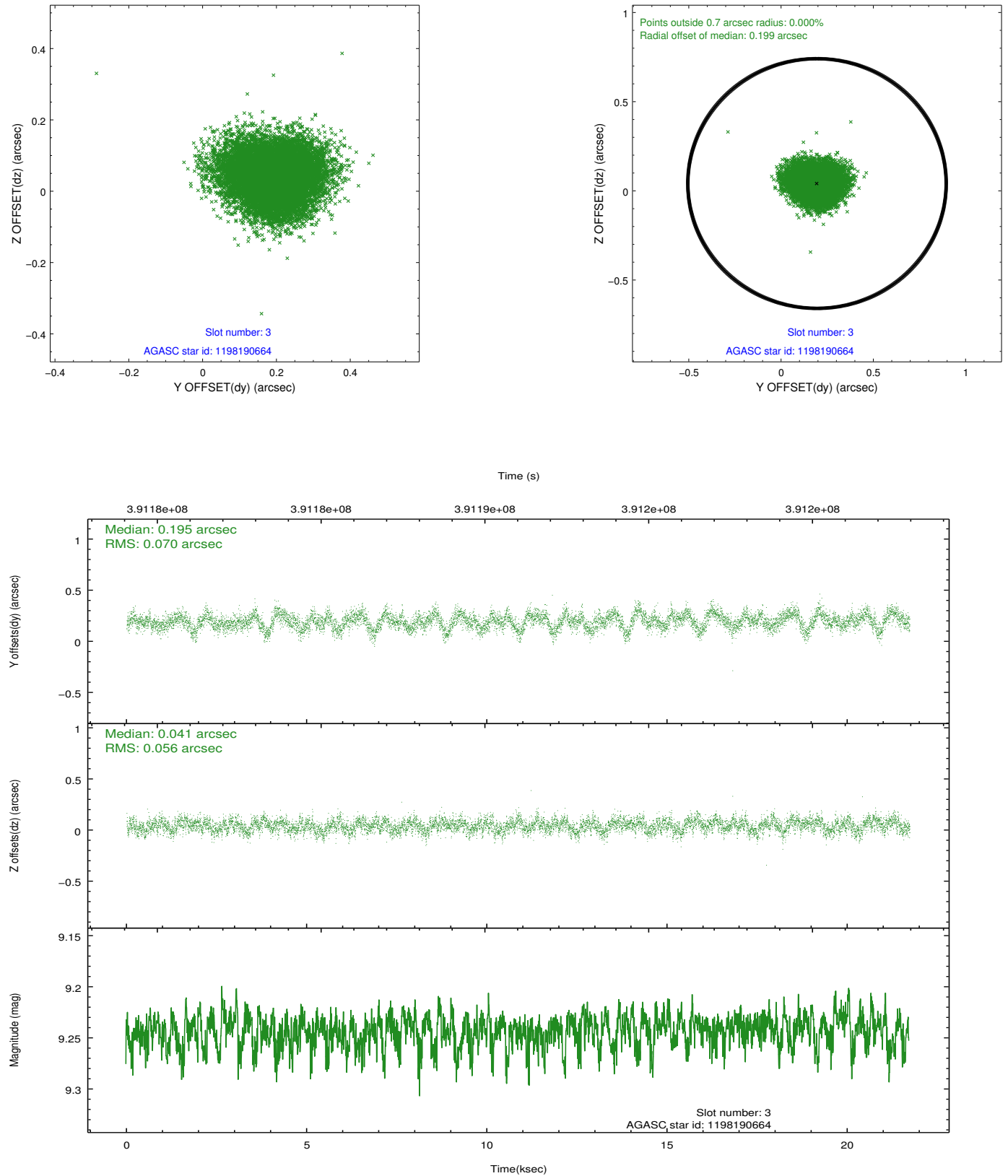


Slot Statistics

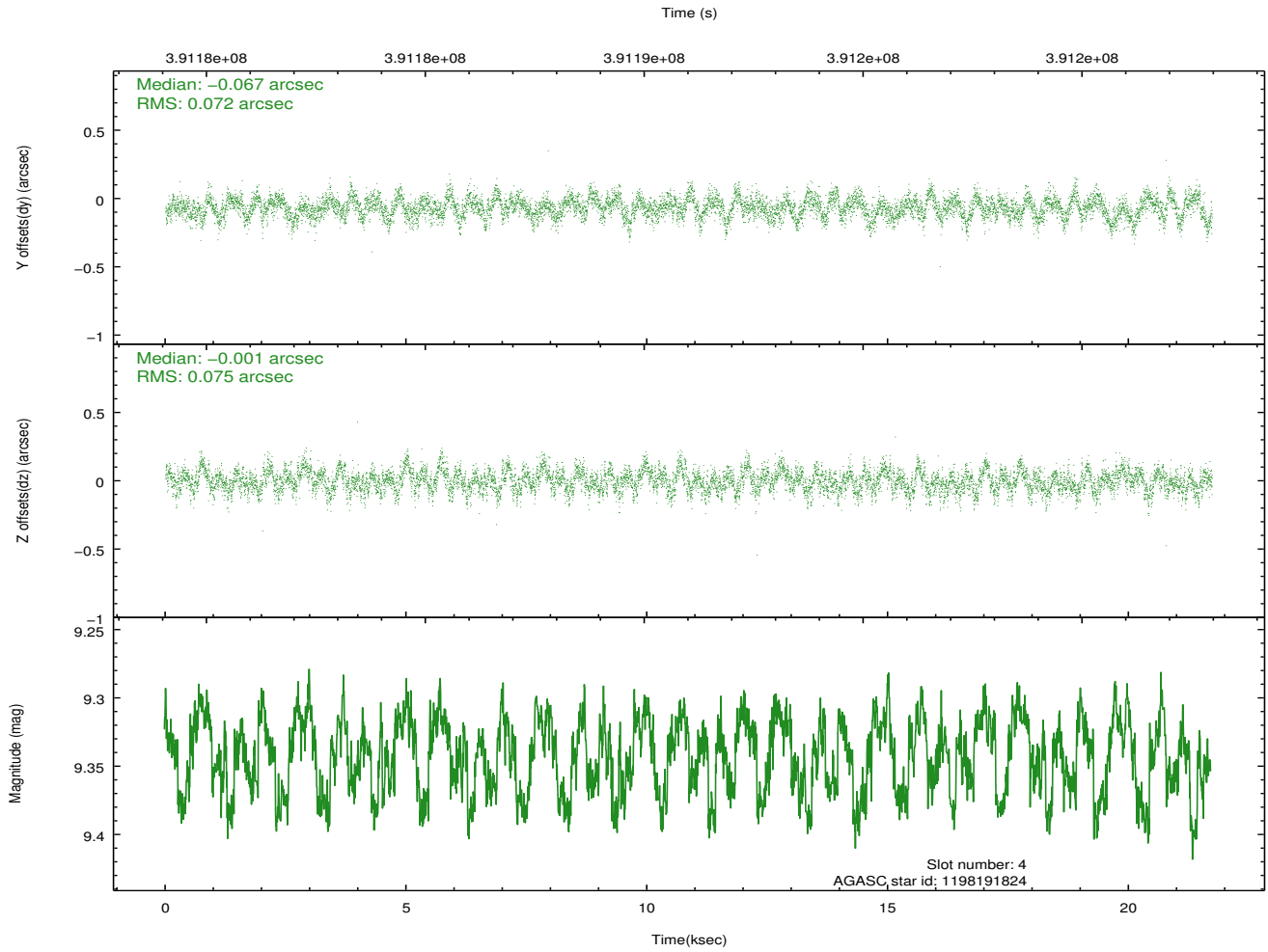
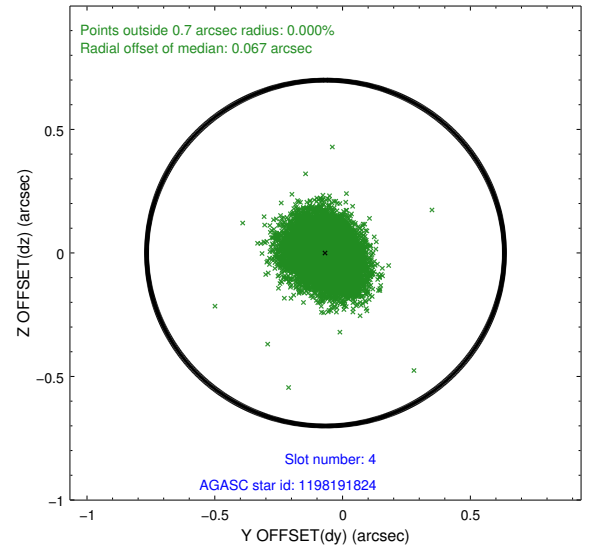
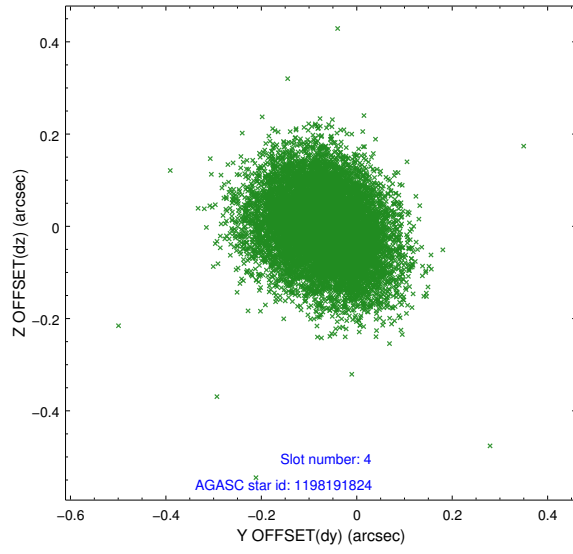
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	5300	-0.142	-0.104	0.013	0.023	0.000000	0.000000	-768.07	-1736.97
1	FID	ACIS-S-4	6.99	5300	0.147	0.072	0.008	0.014	0.000000	0.000000	2145.46	171.46
2	FID	ACIS-S-6	7.13	5300	-0.034	0.037	0.009	0.015	0.000000	0.000000	394.28	809.04
3	GUIDE	1198190664	9.24	10586	0.195	0.041	0.096	0.154	14.057016	-73.825958	-2054.91	132.43
4	GUIDE	1198191824	9.34	10573	-0.067	-0.001	0.110	0.178	11.519918	-73.478175	546.35	1319.24
5	GUIDE	1198192408	9.40	10554	-0.055	0.123	0.095	0.154	12.860639	-72.678863	1901.78	-1581.44
6	GUIDE	1198192456	8.58	10595	0.113	-0.003	0.074	0.116	13.422921	-73.869405	-1761.58	717.19
7	GUIDE	1198192088	9.19	10581	-0.179	-0.157	0.130	0.192	11.250657	-73.229216	1422.54	983.91

2.4 Star Slots

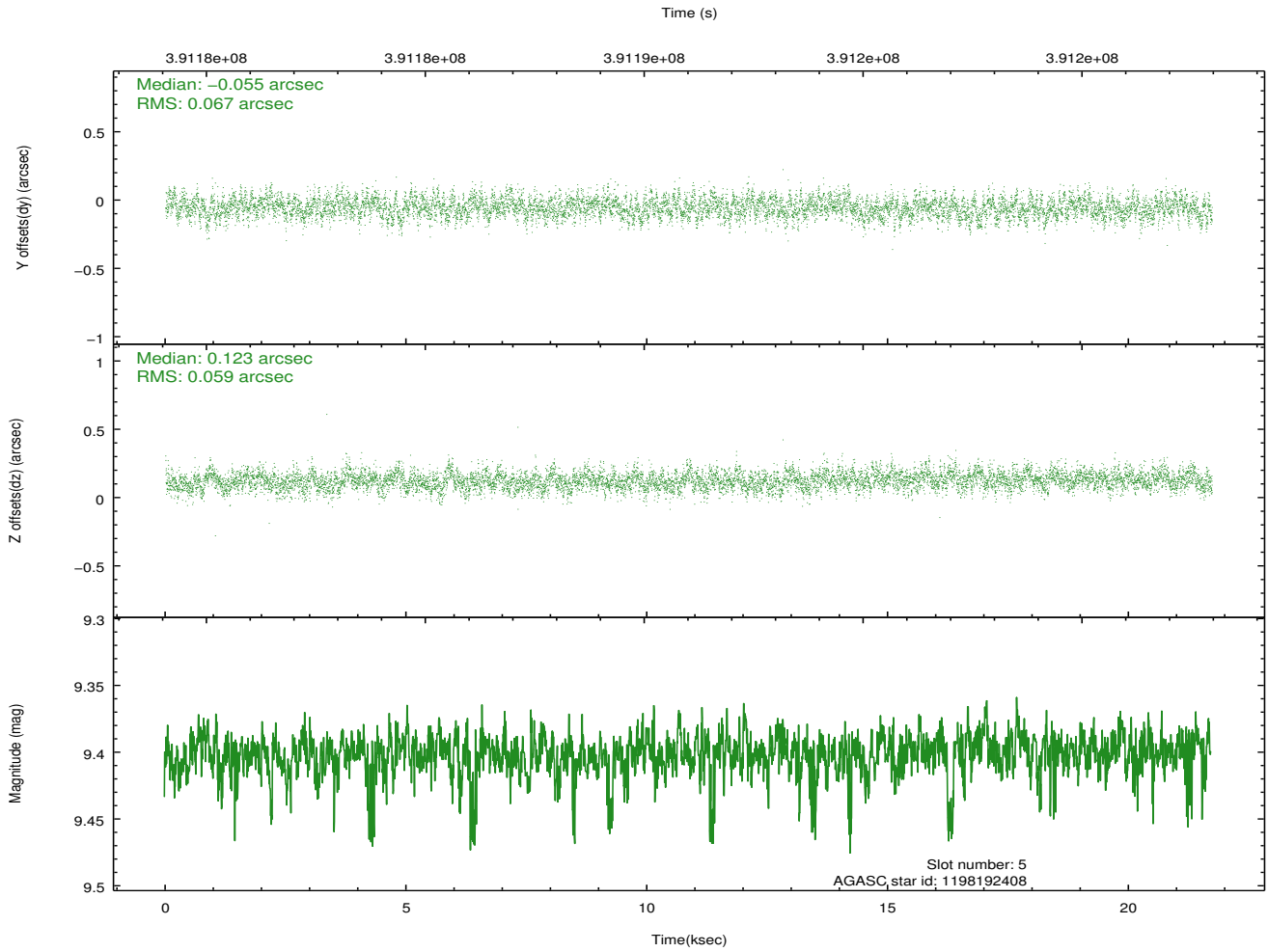
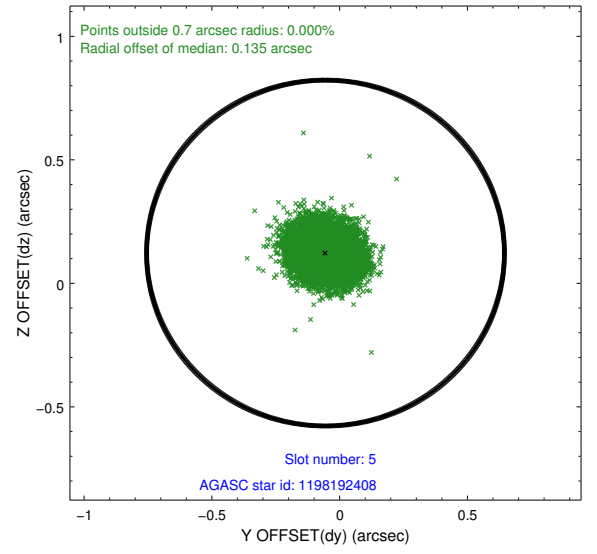
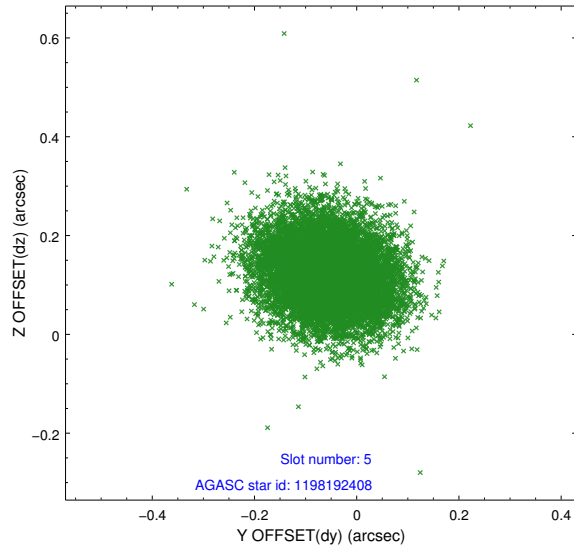
2.4.1 Slot 3



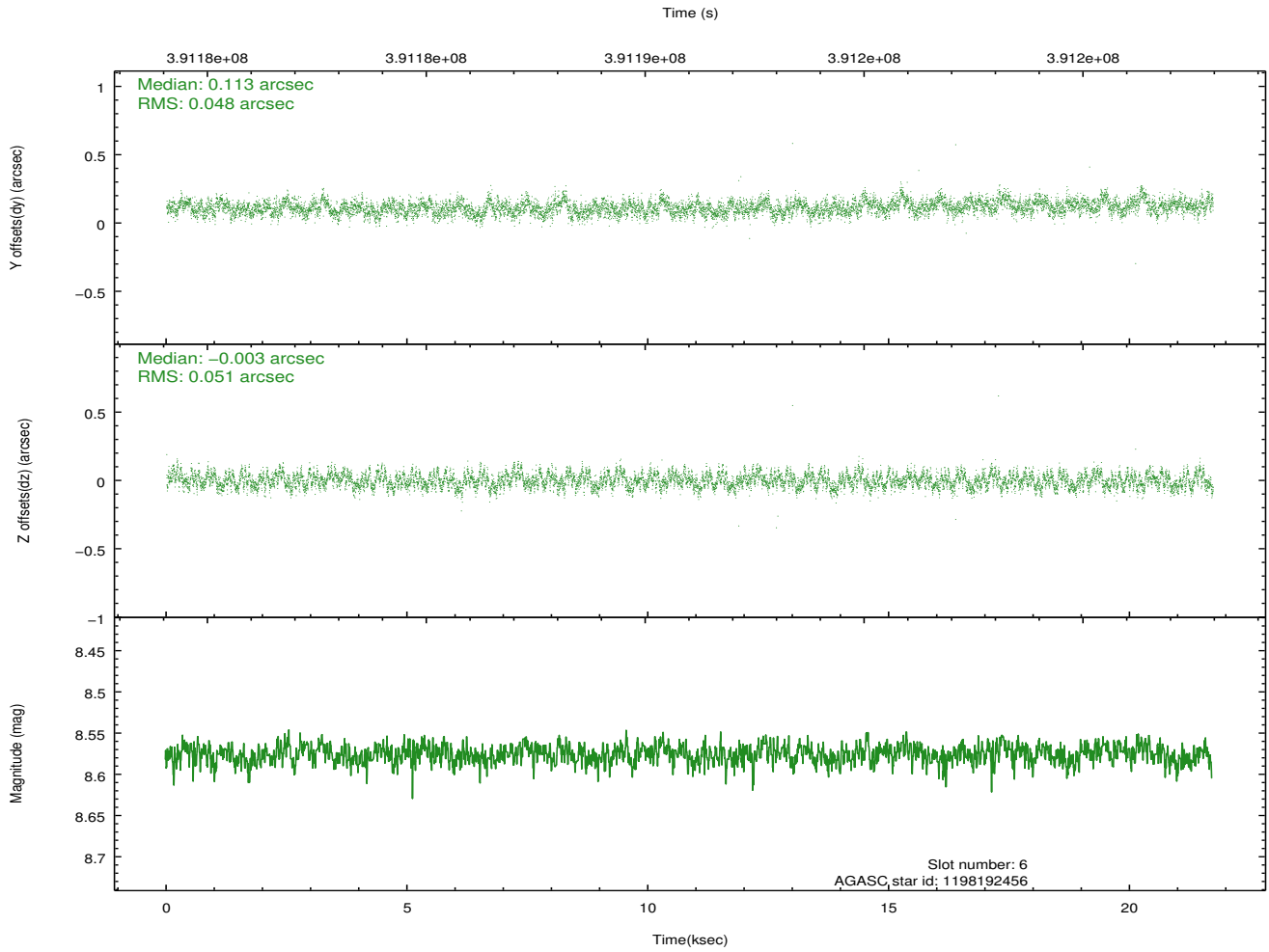
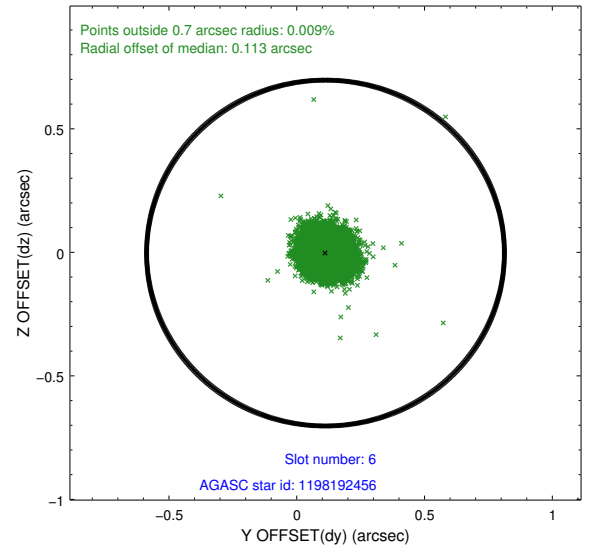
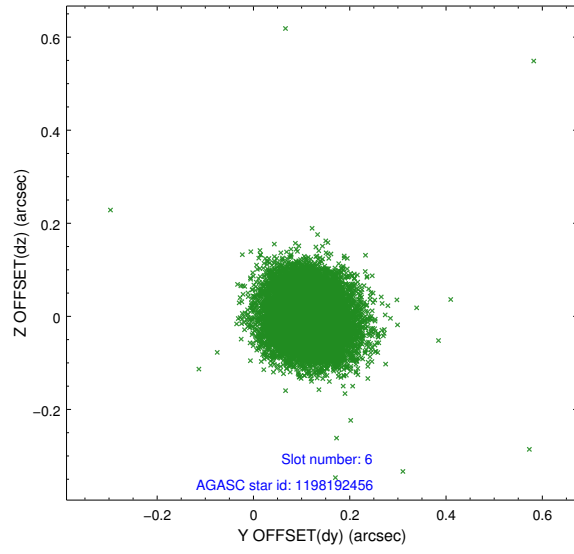
2.4.2 Slot 4



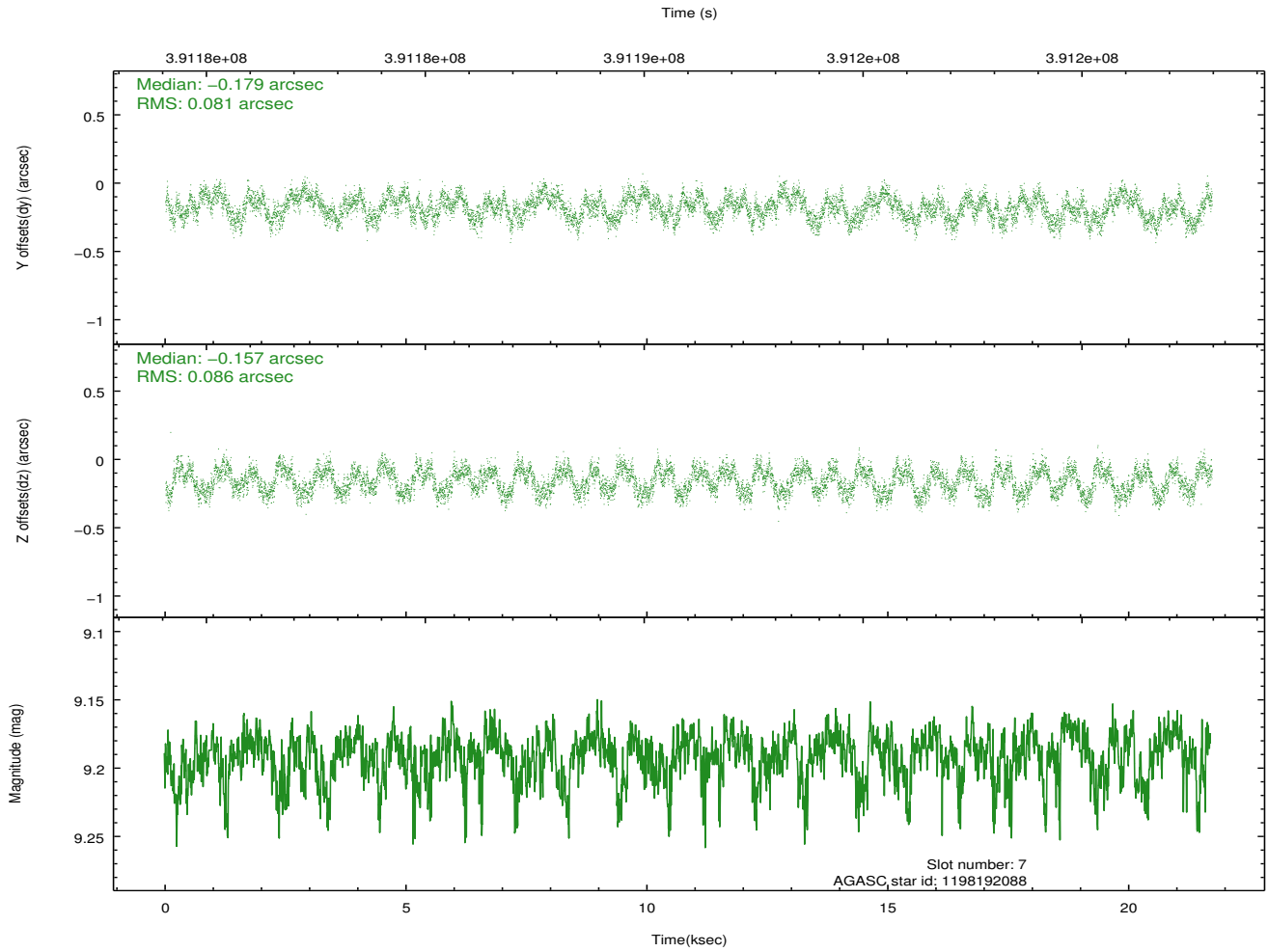
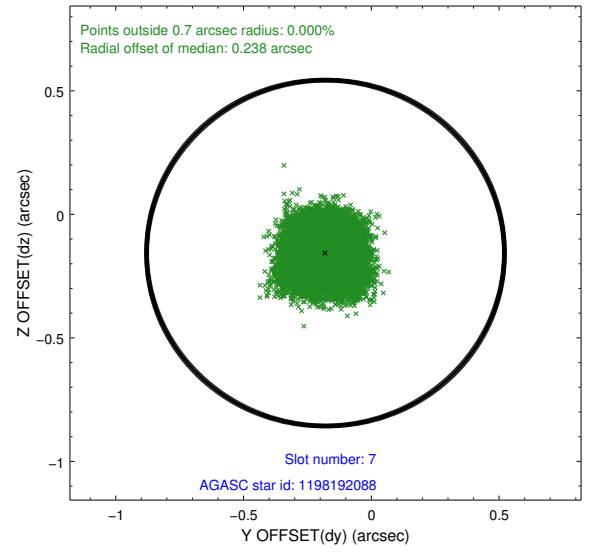
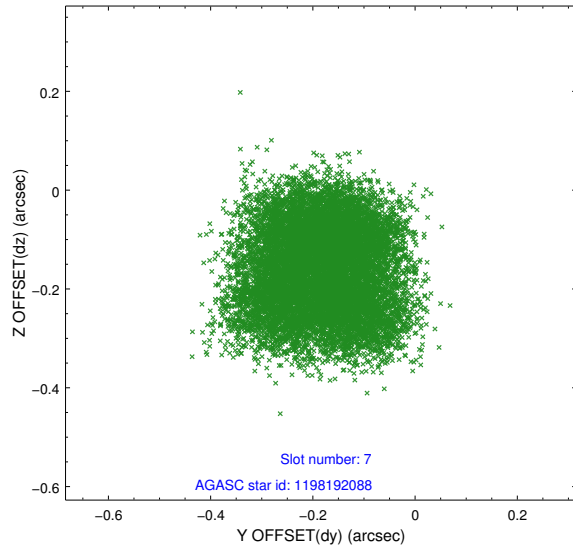
2.4.3 Slot 5



2.4.4 Slot 6

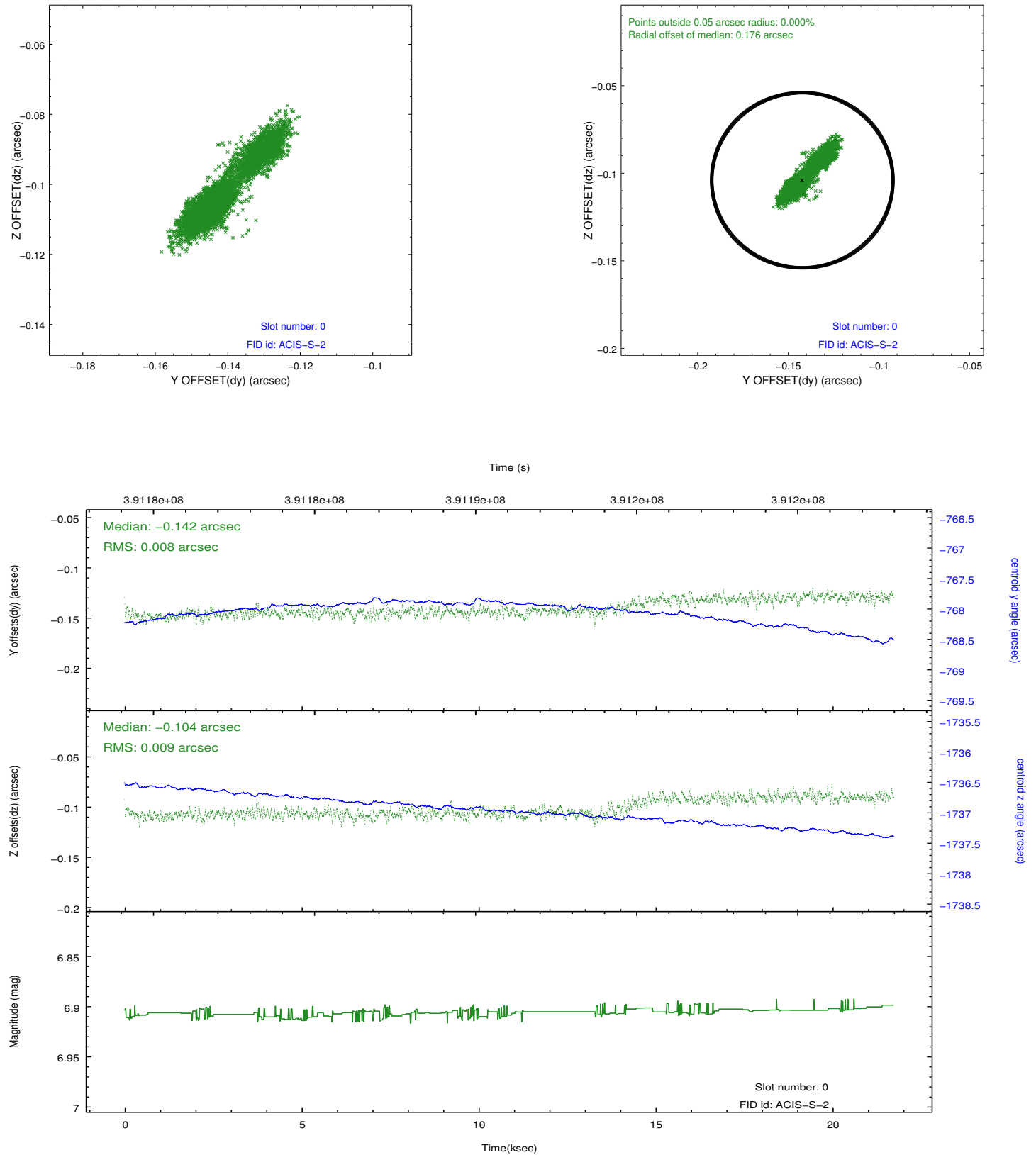


2.4.5 Slot 7

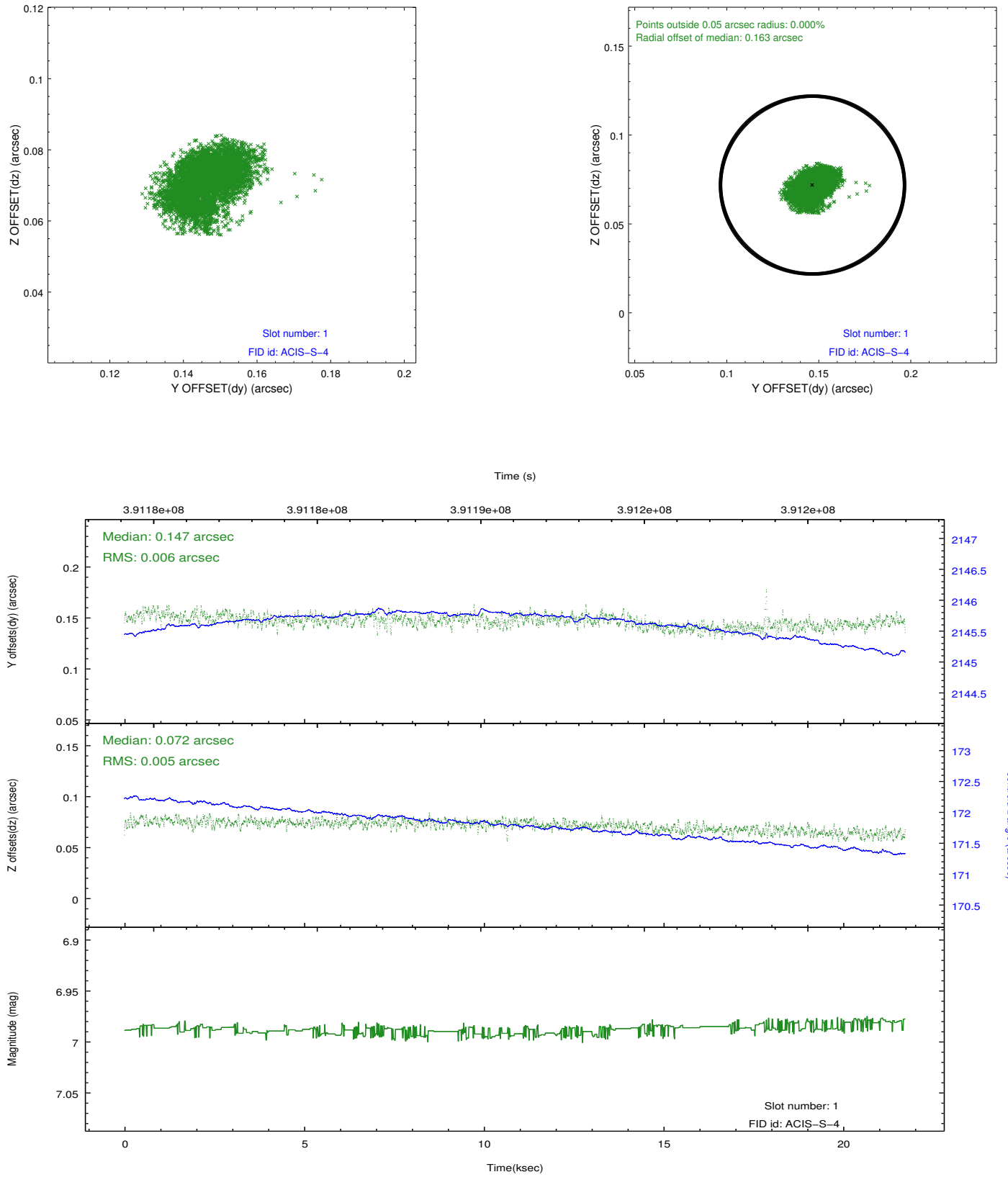


2.5 FID Slots

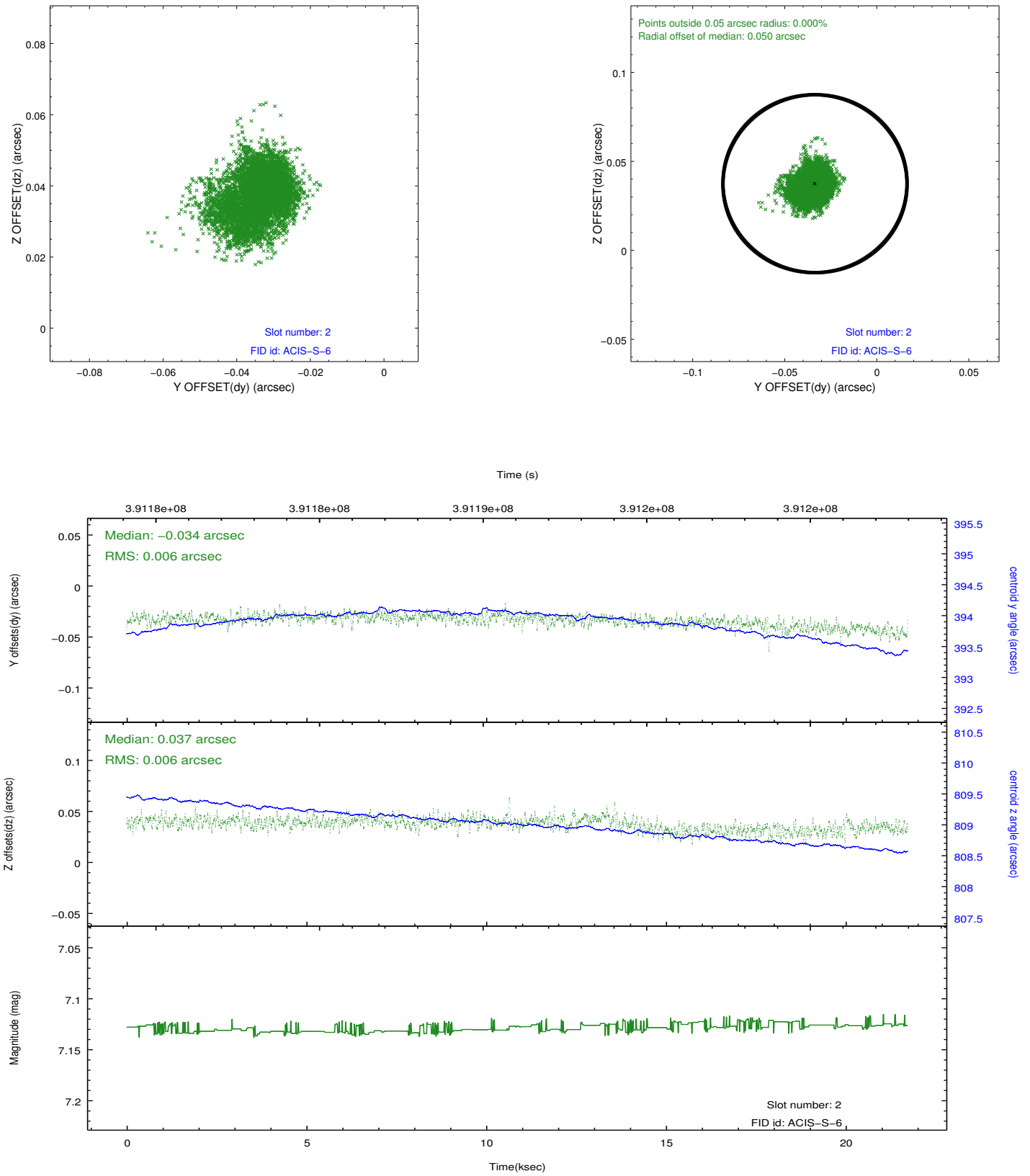
2.5.1 Slot 0



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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	21.049000161886

A.2 Comments