

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11984 - L2 Version 2
Chandra X-Ray Center

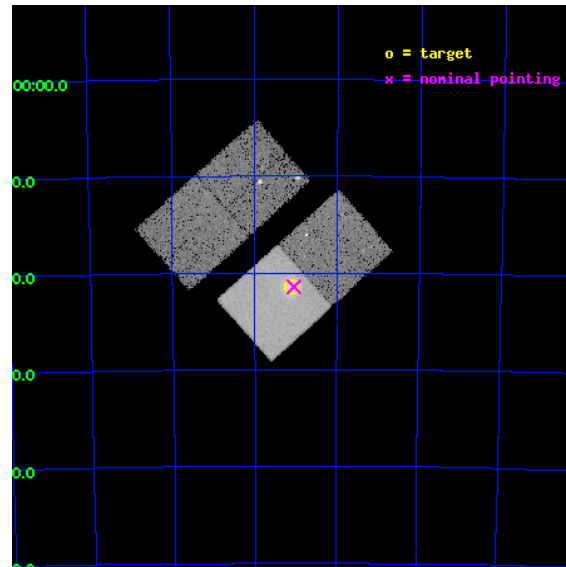
L2 Processing Date : Jun 26 2012

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1 Front

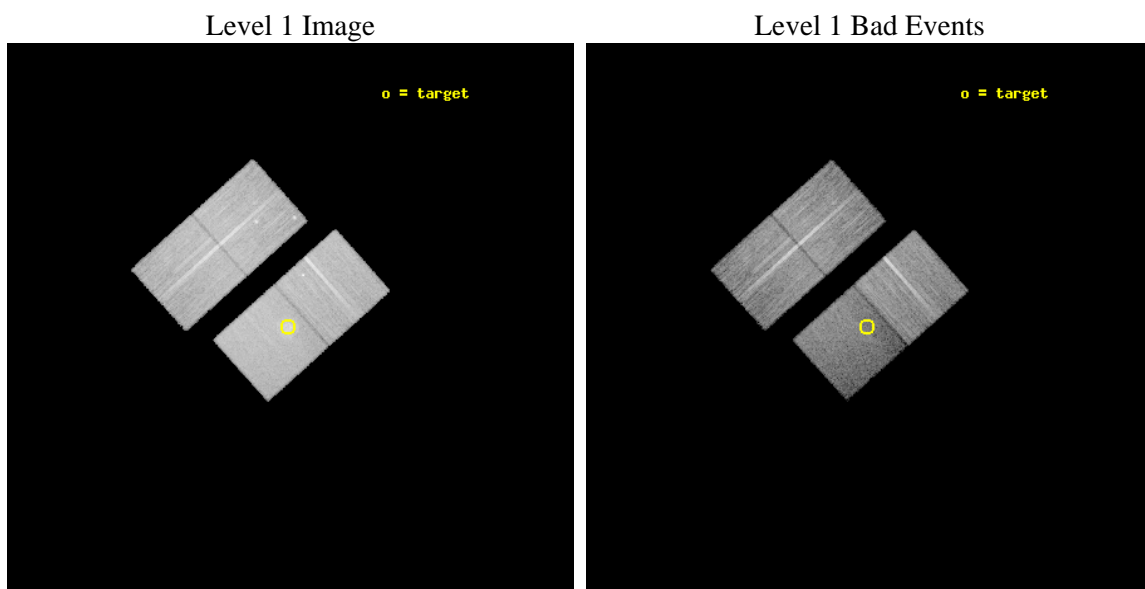
seq_num	501185	Sequence number
obs_id	11984	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.76257943959	Nominal RA [deg]
dec_nom	-73.357468917062	Nominal Dec [deg]
roll_nom	138.14073269486	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20753.352202594	Sum of GTIs [s]
livetime	20482.194377672	Livetime [s]
ontime2	20750.088112295	Sum of GTIs [s]
ontime3	20753.270122588	Sum of GTIs [s]
ontime6	20731.324260831	Sum of GTIs [s]
ontime7	20753.352202594	Sum of GTIs [s]
l2events	120379	Number of level 2 events



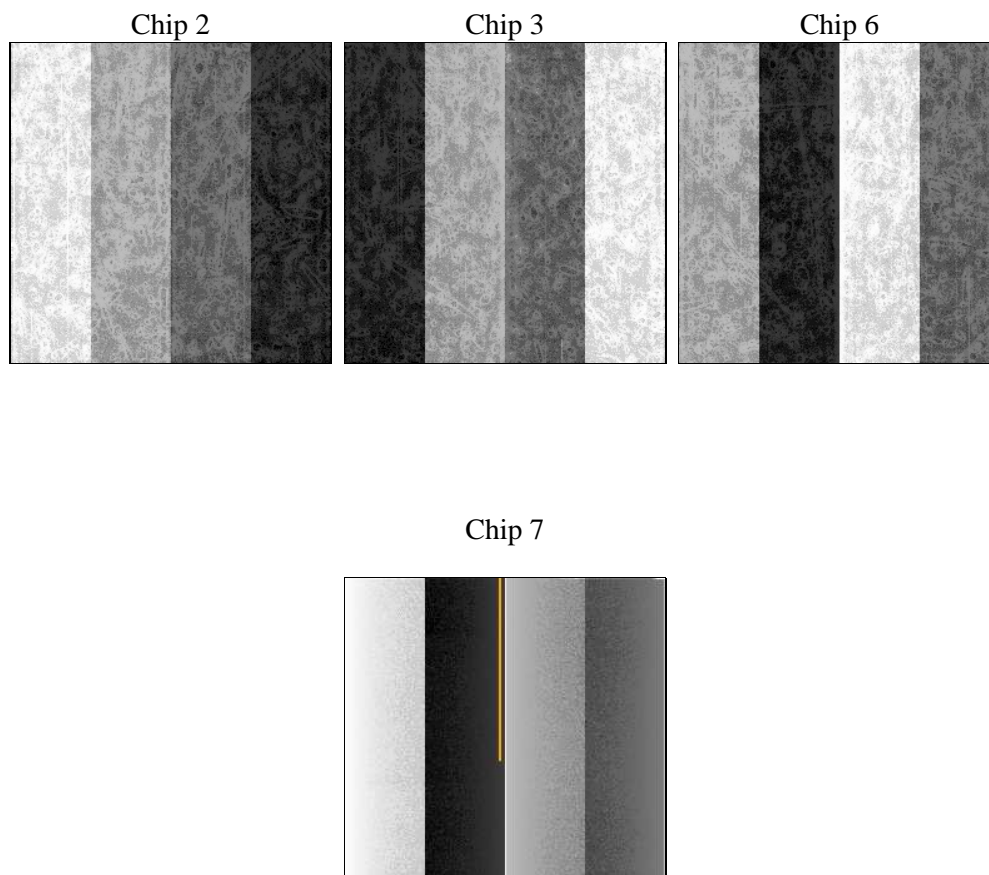
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20704.323000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20753.352202594	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	20750.088112295	Sum of GTIs [s]
date	2012-06-26T02:12:07	Date and time of file creation	ontime3	20753.270122588	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	20731.324260831	Sum of GTIs [s]
			ontime7	20753.352202594	Sum of GTIs [s]
			l1events	611150	Number of level 1 events

2.1.4 Events

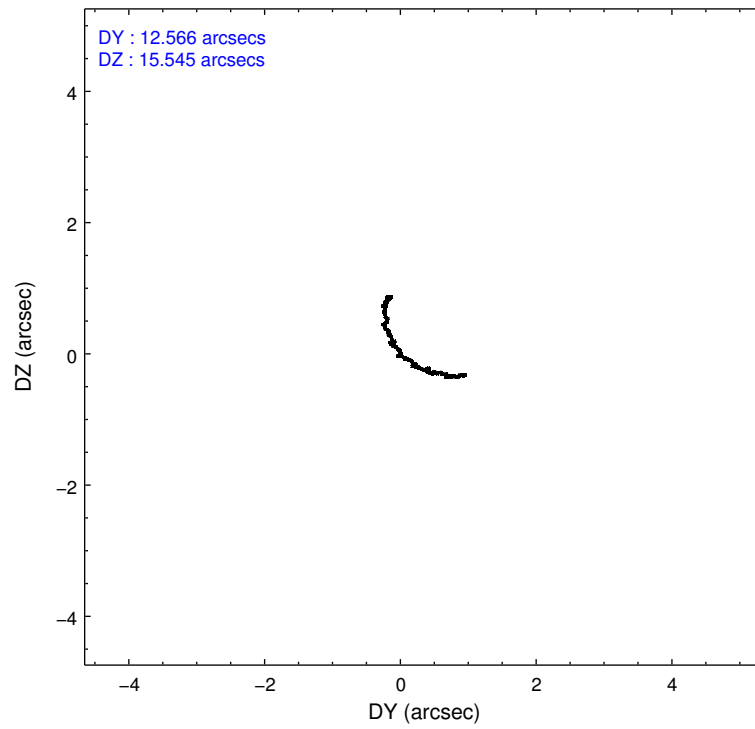
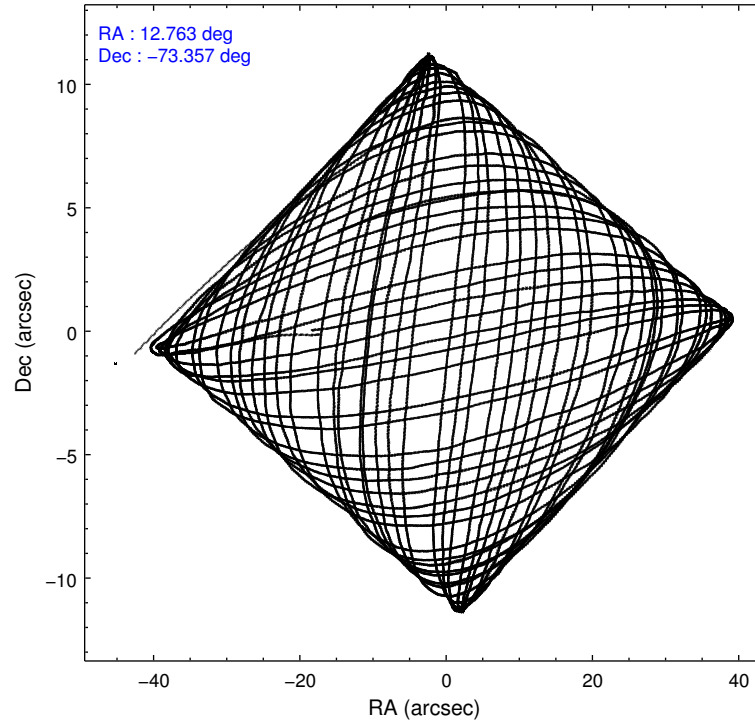
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	154160	143569	154531	158890
rejected events	137294	129068	137169	77813
rejected %	89%	89%	88%	48%

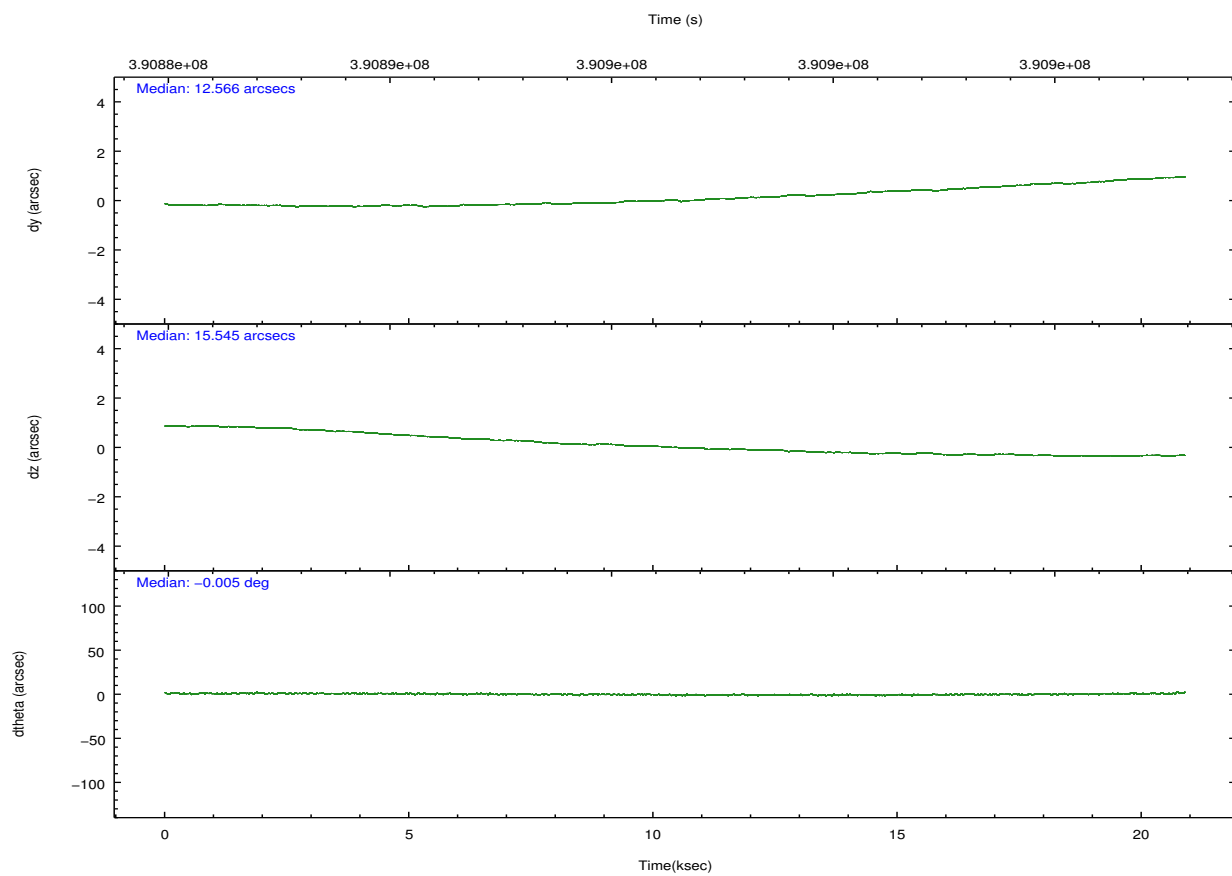
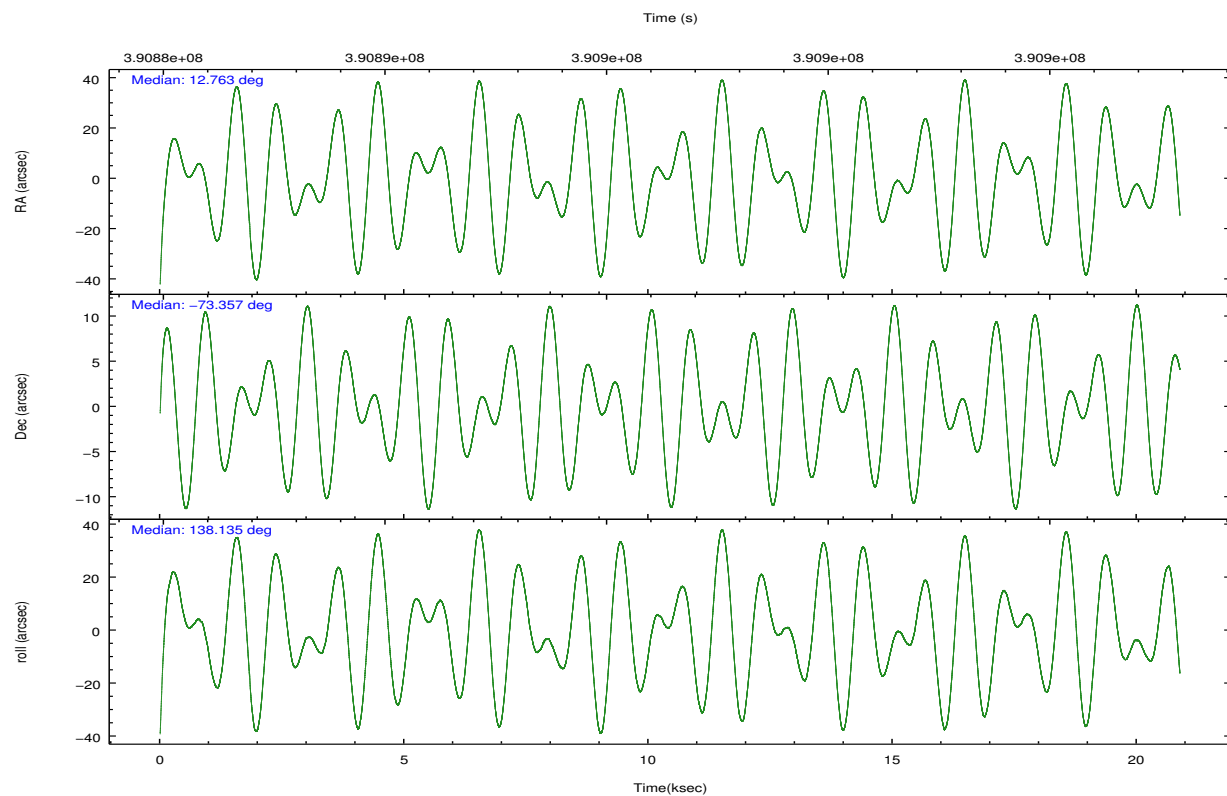
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6875	5256	6783	9843
	4%	3%	4%	6%
grade 1 events	101	72	88	229
	0%	0%	0%	0%
grade 2 events	3818	3258	3820	17653
	2%	2%	2%	11%
grade 3 events	1654	1629	1731	7639
	1%	1%	1%	4%
grade 4 events	1696	1535	1719	7565
	1%	1%	1%	4%
grade 5 events	4618	5486	5565	16599
	2%	3%	3%	10%
grade 6 events	2830	2824	3313	38401
	1%	1%	2%	24%
grade 7 events	132568	123509	131512	60961
	85%	86%	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	12.856233	12.76257943959045	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.362708	-73.35746891706201	Alternating exposures requested	N	N
[deg] Pointing Roll	138.073835	138.1407326948625	[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)	390886176.184000	390885237.36795			
Observation start date	2010-05-22T03:28:30	2010-05-22T03:13:57			
[s] Observation end time (MET)	390906880.184000	390907106.25656			
Observation end date	2010-05-22T09:13:34	2010-05-22T09:18:26			
Read mode	TIMED	TIMED			

2.3 Aspect



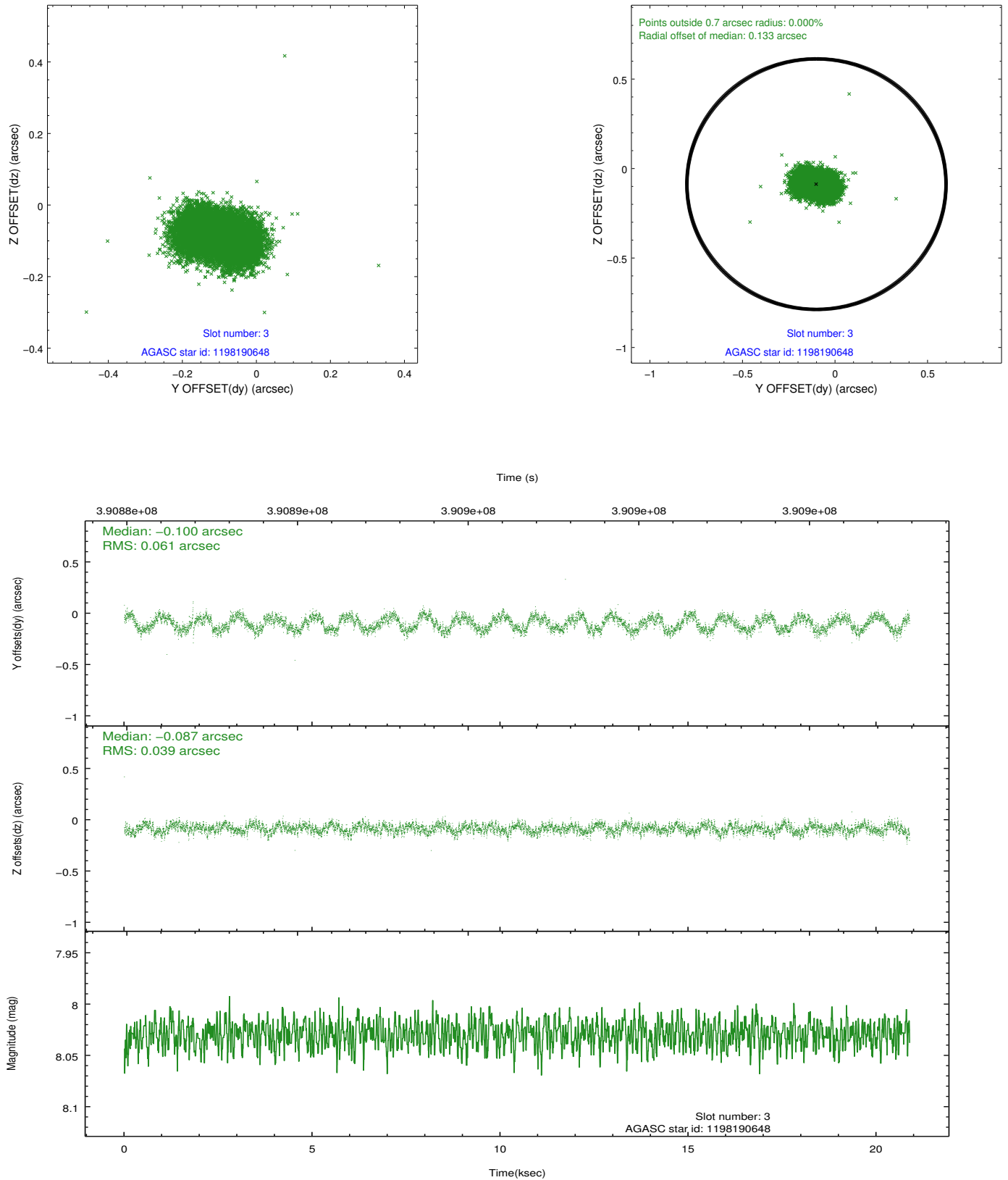


Slot Statistics

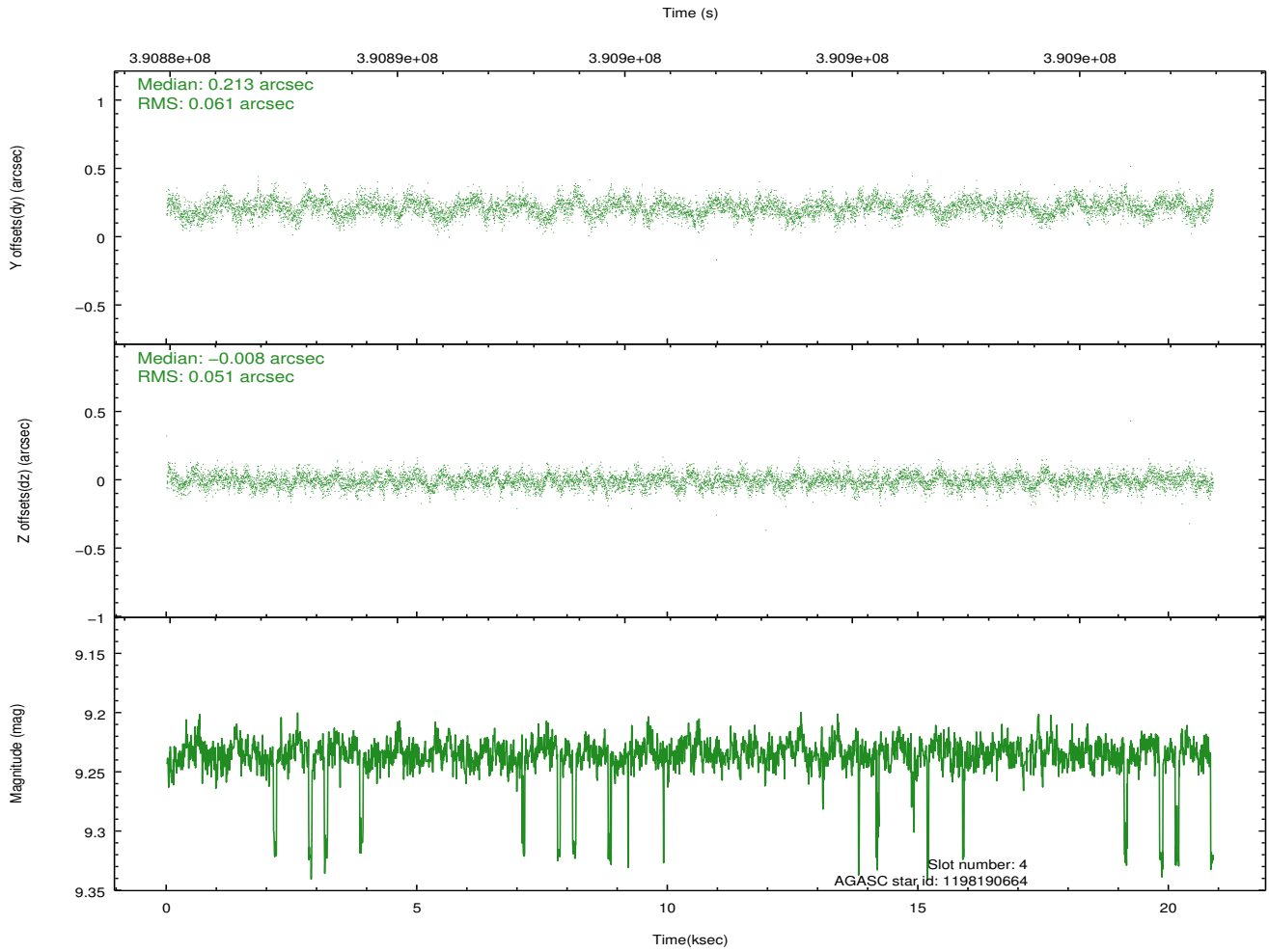
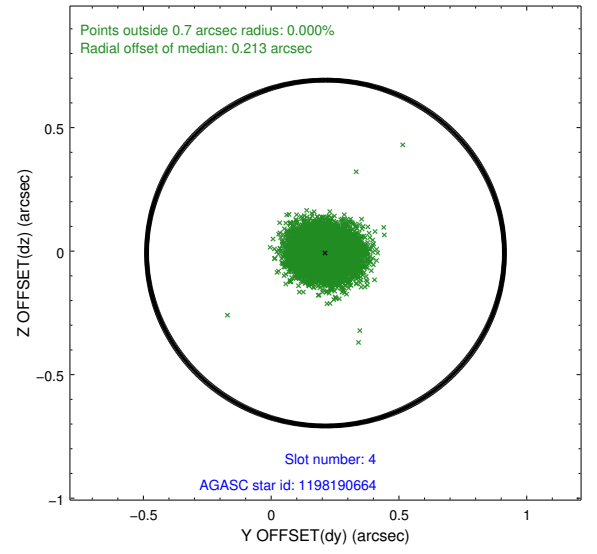
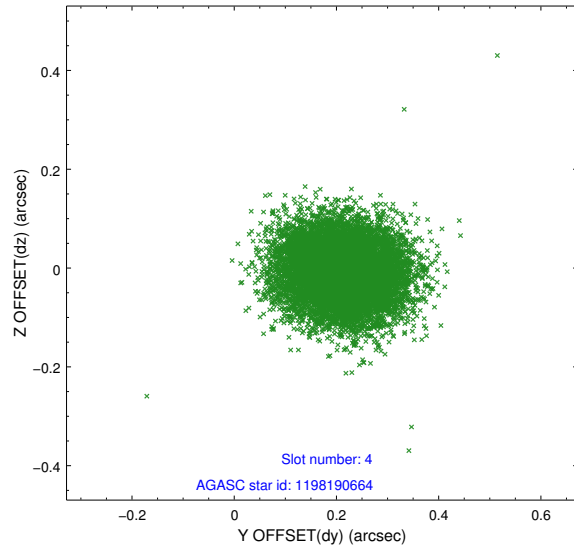
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	5094	0.074	-0.045	0.032	0.040	0.000000	0.000000	930.47	-1732.74
1	FID	ACIS-S-2	6.88	5093	-0.078	-0.006	0.017	0.028	0.000000	0.000000	-765.49	-1737.41
2	FID	ACIS-S-6	7.10	5094	-0.014	0.056	0.022	0.029	0.000000	0.000000	395.99	808.52
3	GUIDE	1198190648	8.03	10187	-0.100	-0.087	0.079	0.117	12.344115	-73.478663	109.64	662.87
4	GUIDE	1198190664	9.23	10136	0.213	-0.008	0.083	0.137	14.057016	-73.825958	-2018.26	445.51
5	GUIDE	1198191824	9.33	10178	-0.023	-0.013	0.097	0.161	11.519918	-73.478175	729.79	1234.92
6	GUIDE	1198192408	9.44	10181	-0.166	0.173	0.154	0.245	12.860639	-72.678863	1641.70	-1834.10
7	GUIDE	1198192456	8.58	10184	0.070	-0.057	0.073	0.121	13.422921	-73.869405	-1641.83	980.41

2.4 Star Slots

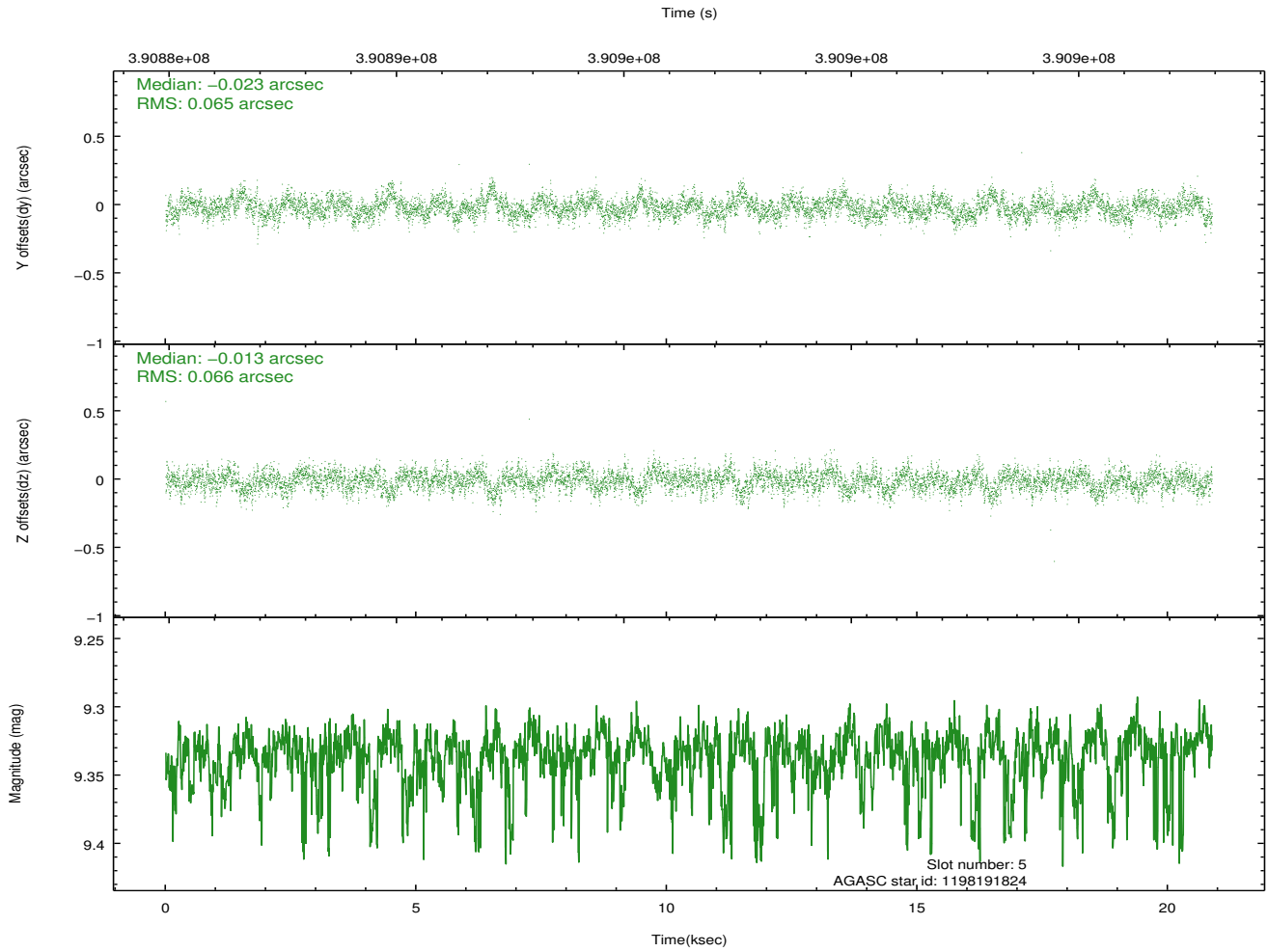
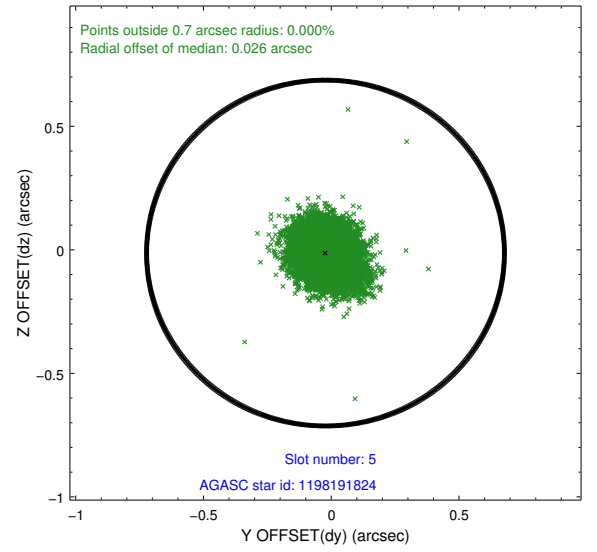
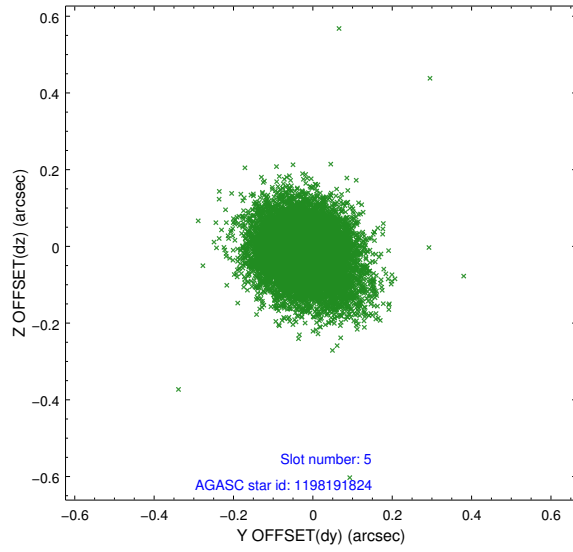
2.4.1 Slot 3



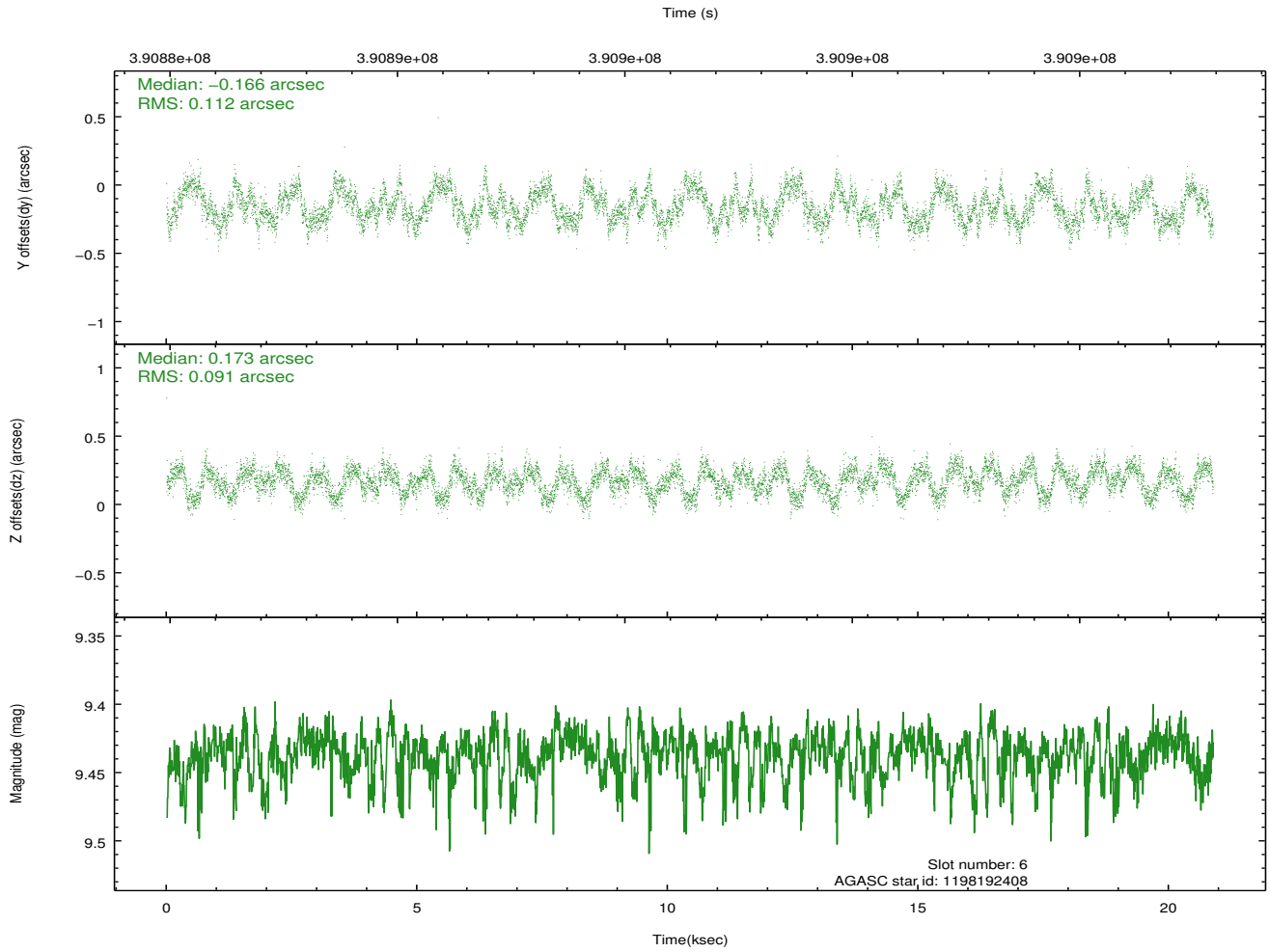
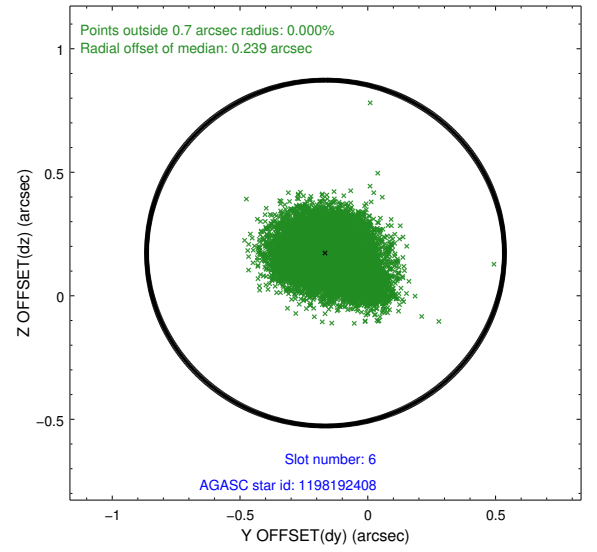
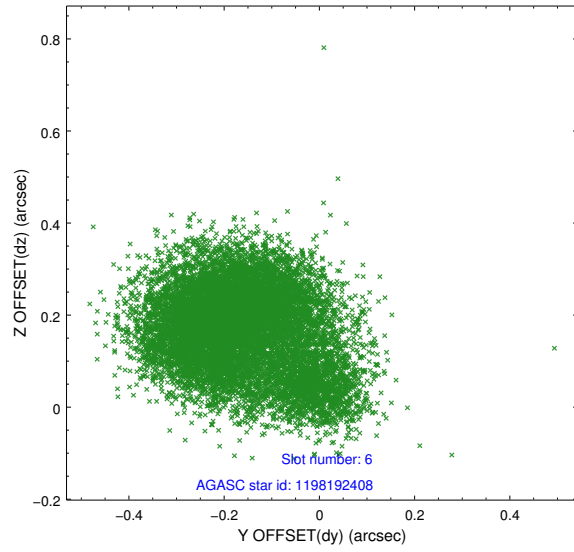
2.4.2 Slot 4



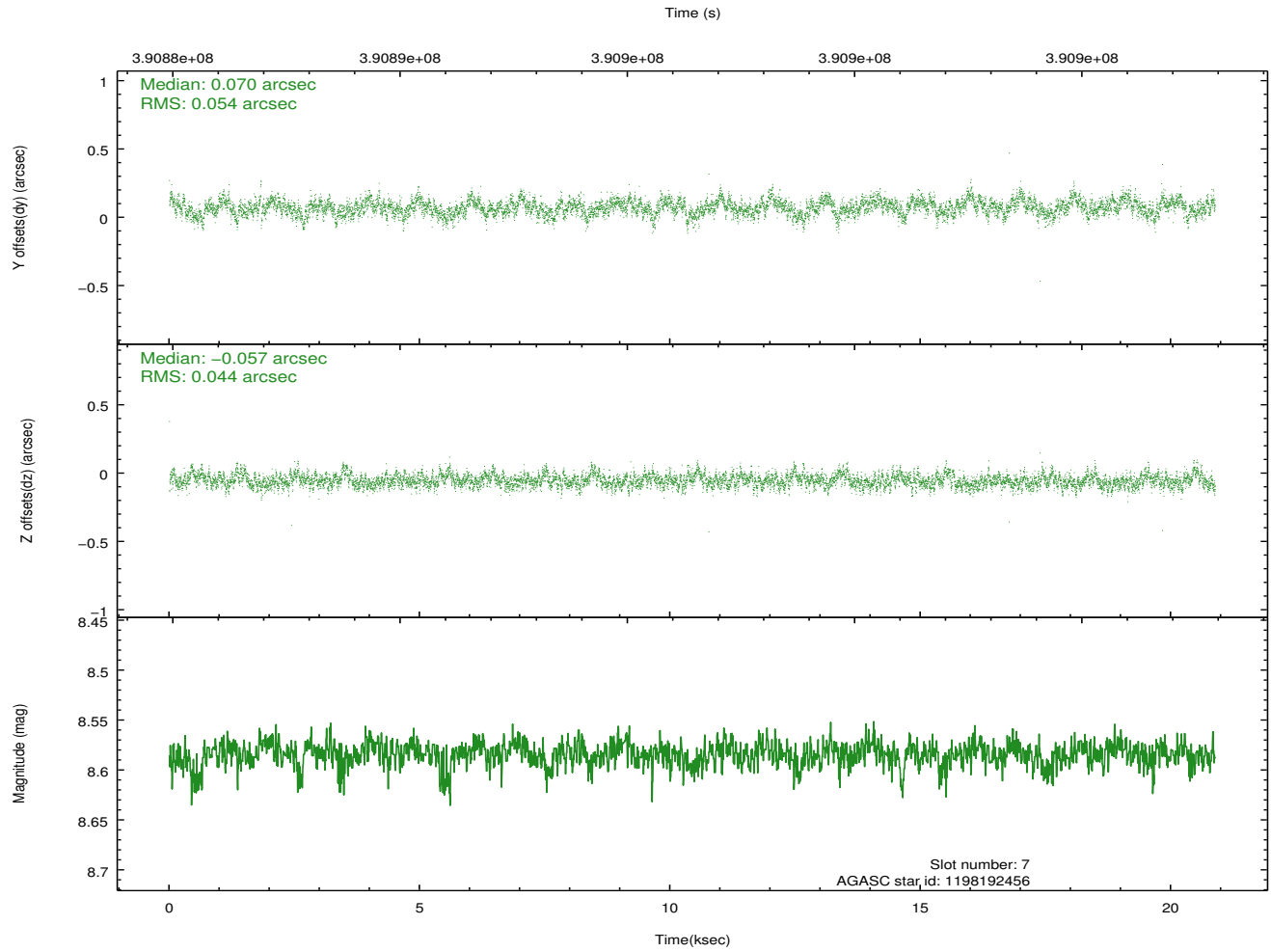
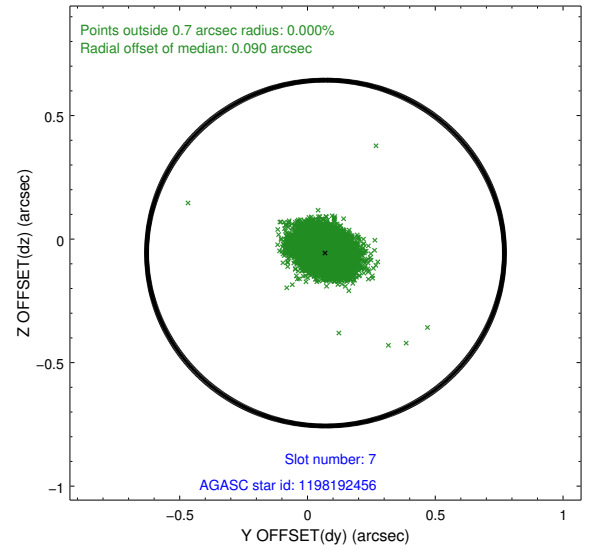
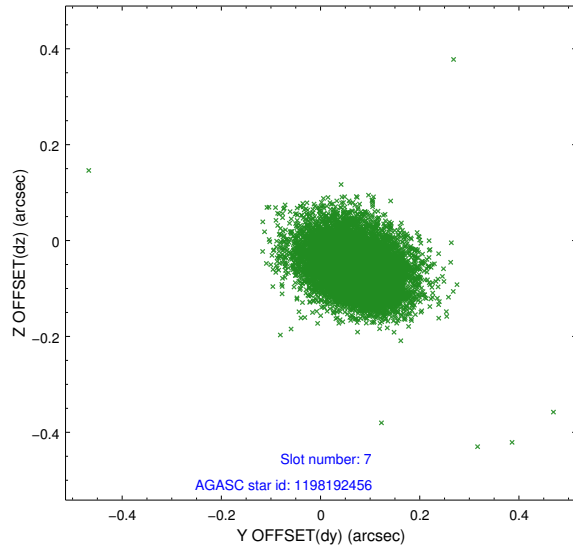
2.4.3 Slot 5



2.4.4 Slot 6

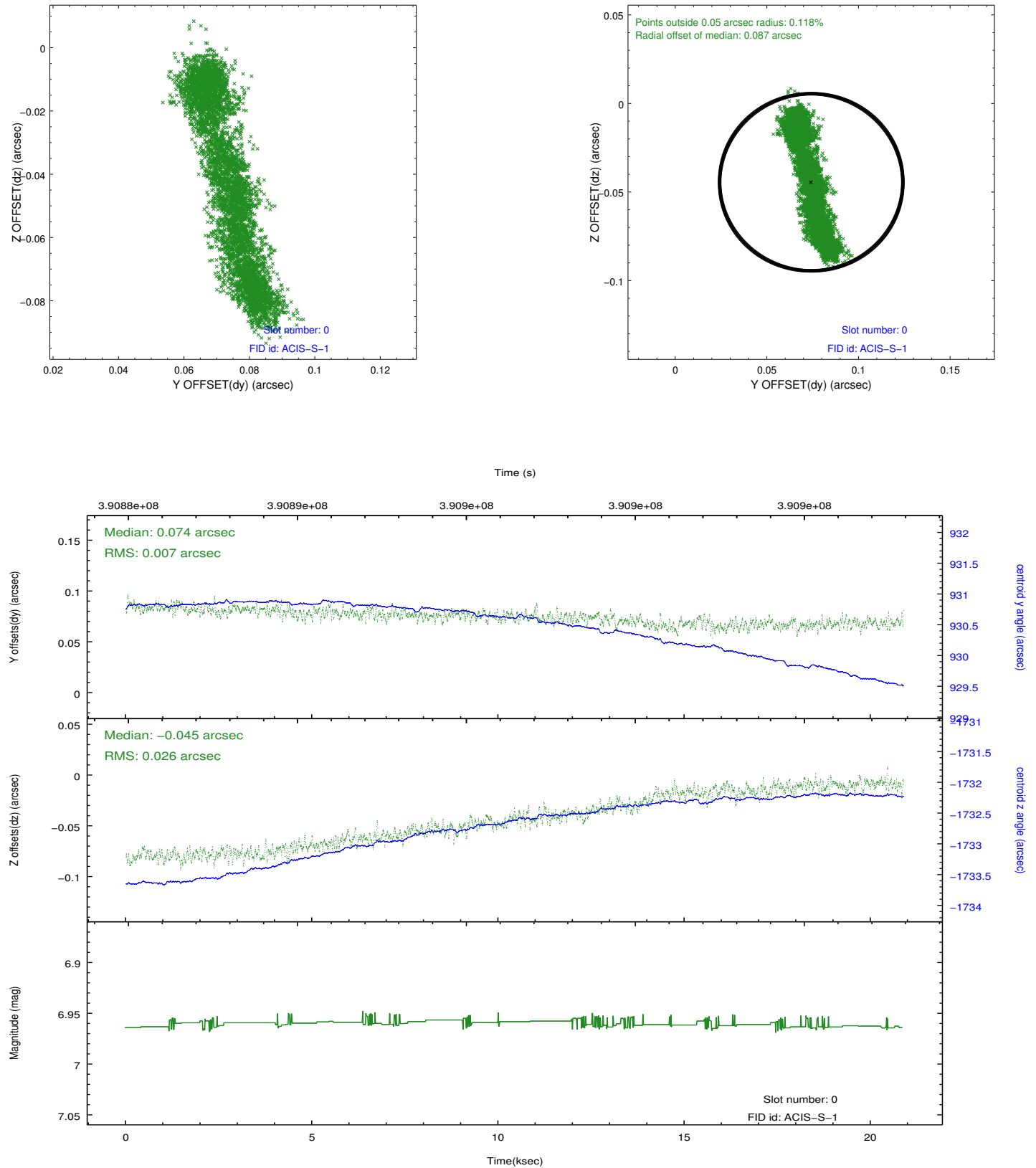


2.4.5 Slot 7

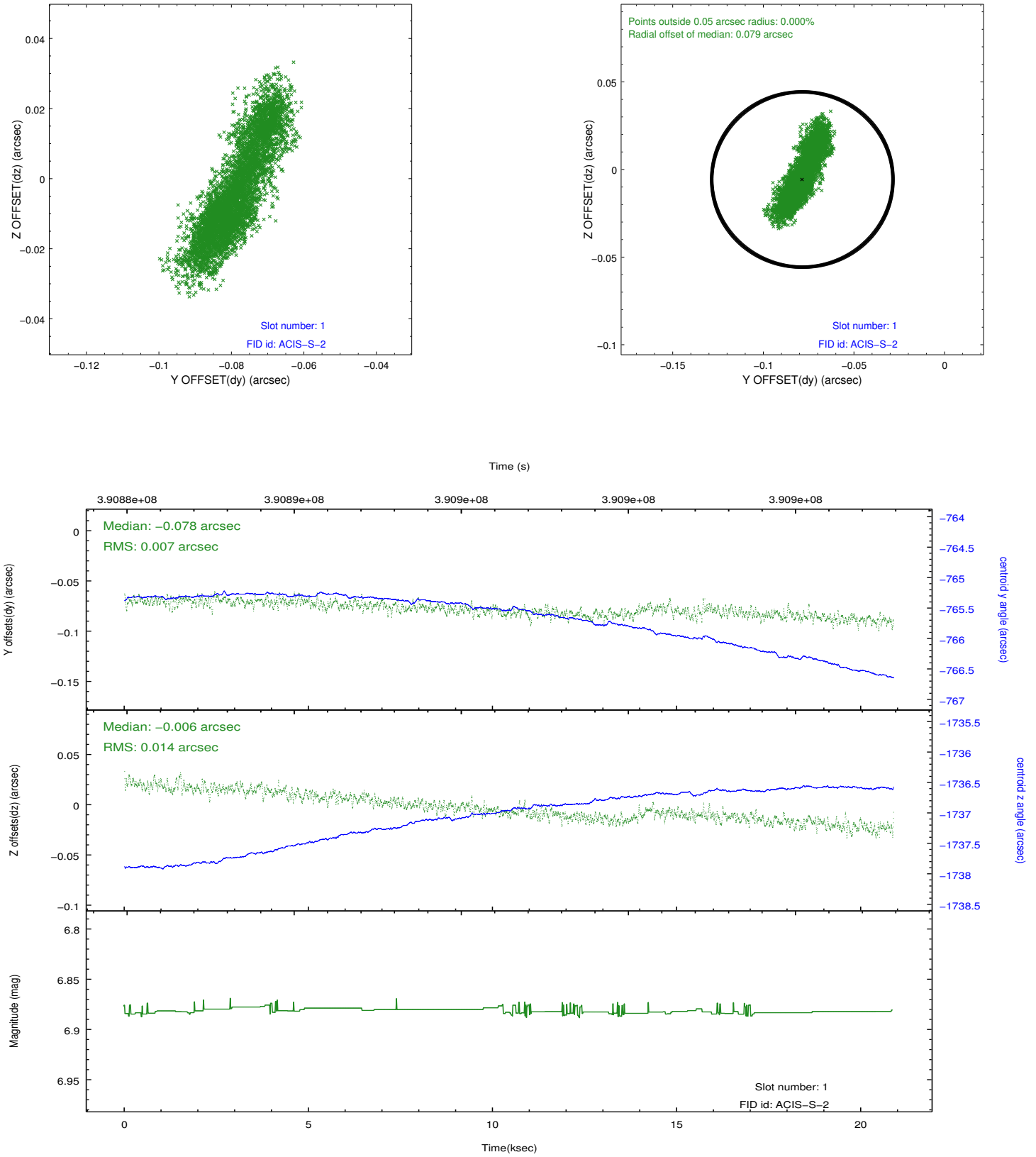


2.5 FID Slots

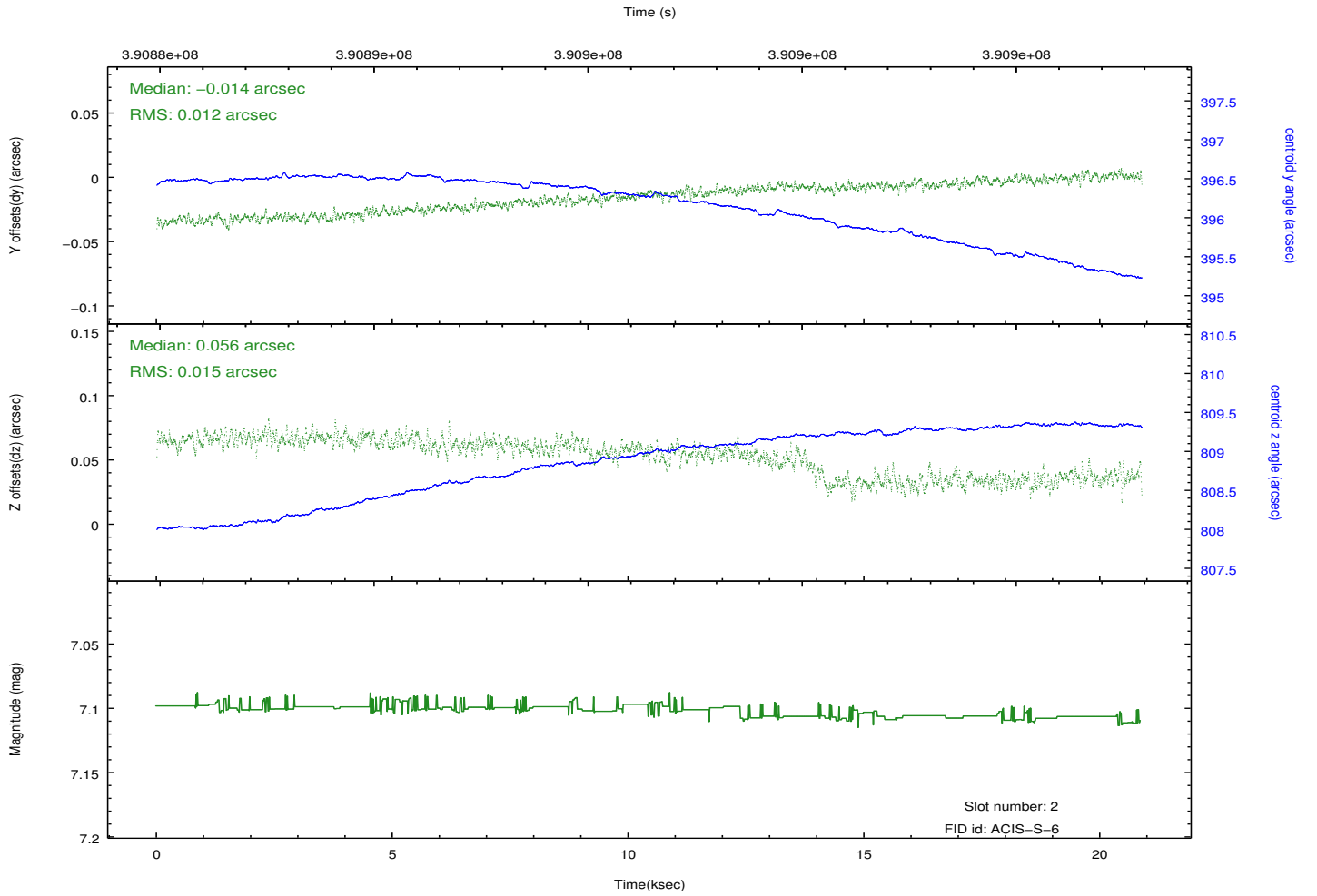
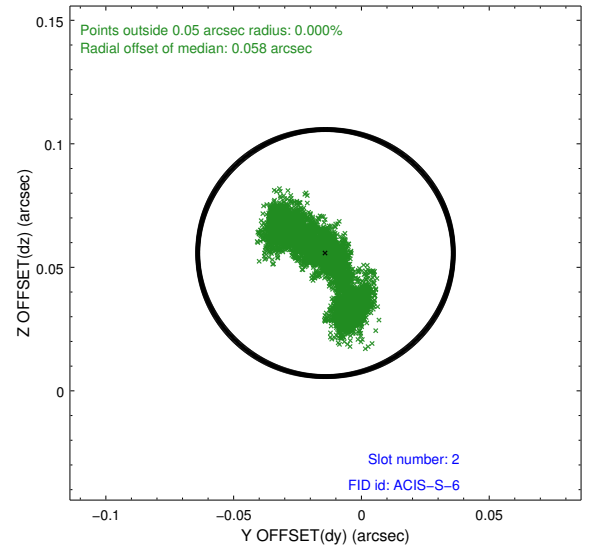
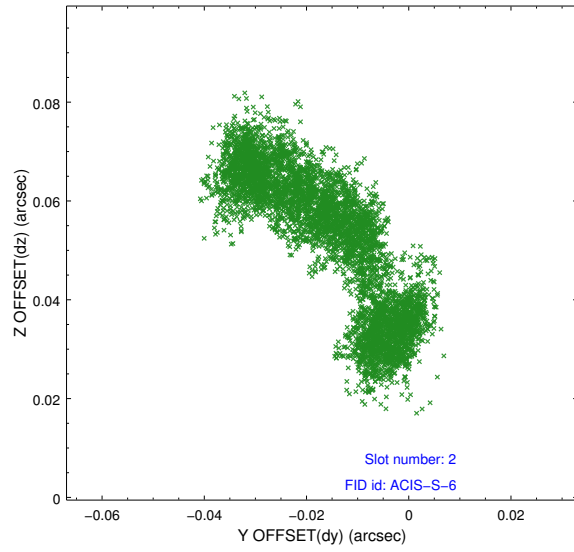
2.5.1 Slot 0



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)	2012.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.753352198124

A.2 Comments