

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11095 - L2 Version 2
Chandra X-Ray Center

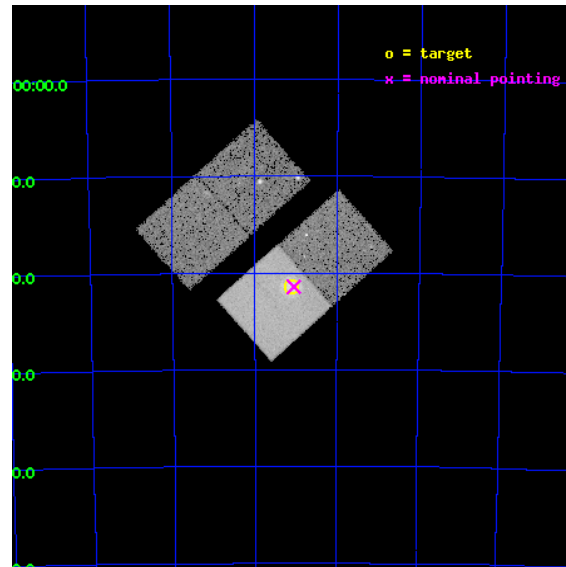
L2 Processing Date : Jun 25 2012

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1 Front

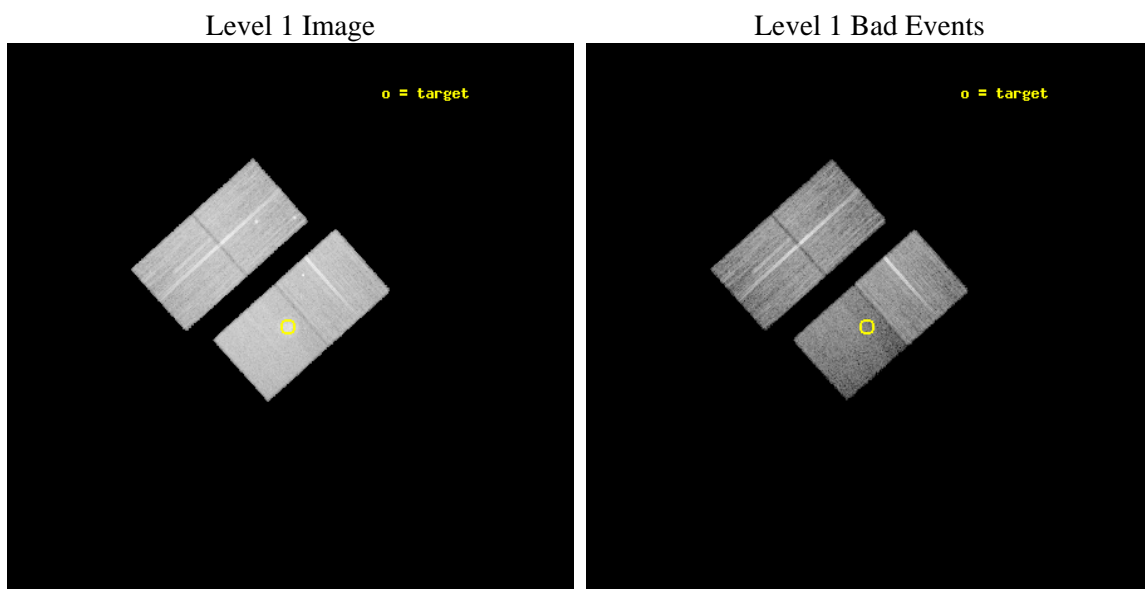
seq_num	501185	Sequence number
obs_id	11095	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.762503623583	Nominal RA [deg]
dec_nom	-73.357497689528	Nominal Dec [deg]
roll_nom	138.1406652175	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19051.414768934	Sum of GTIs [s]
livetime	18802.494009531	Livetime [s]
ontime2	19051.291648924	Sum of GTIs [s]
ontime3	19048.191728592	Sum of GTIs [s]
ontime6	19051.373728931	Sum of GTIs [s]
ontime7	19051.414768934	Sum of GTIs [s]
l2events	111748	Number of level 2 events



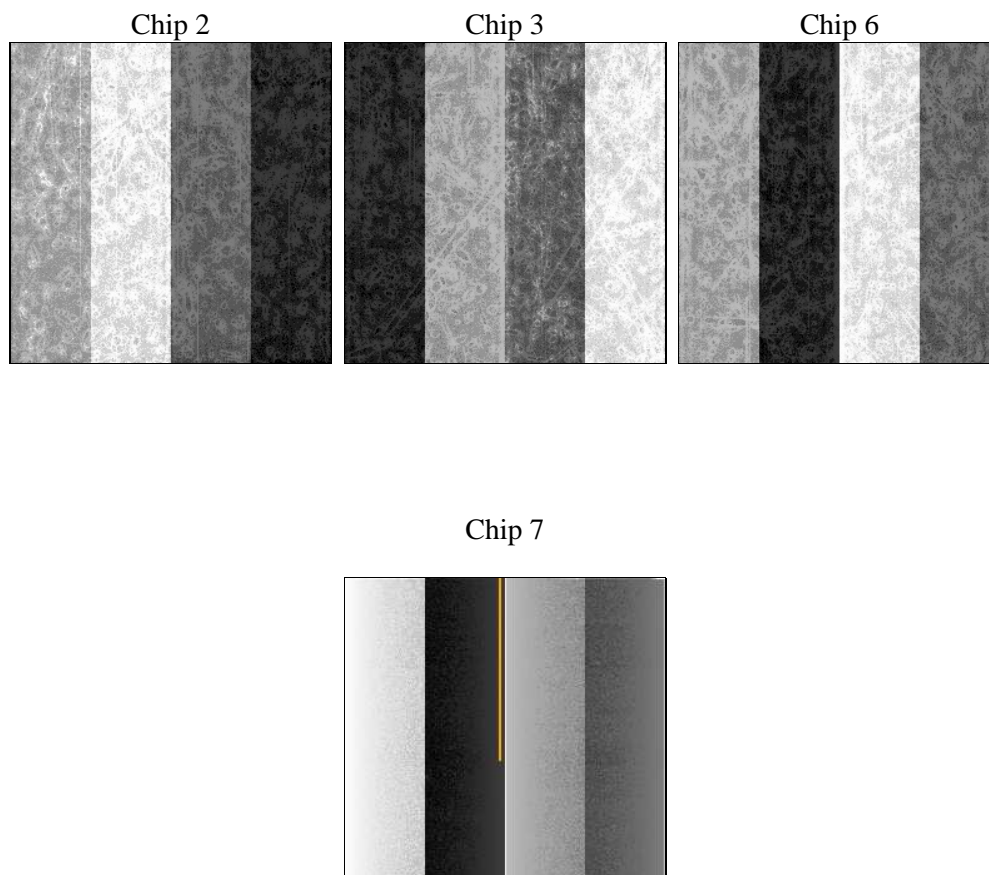
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19051.414768934	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	19051.291648924	Sum of GTIs [s]
date	2012-06-26T00:50:33	Date and time of file creation	ontime3	19048.191728592	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	19051.373728931	Sum of GTIs [s]
			ontime7	19051.414768934	Sum of GTIs [s]
			l1events	558812	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	138704	132813	140043	147252
rejected events	123154	119278	124146	71781
rejected %	88%	89%	88%	48%

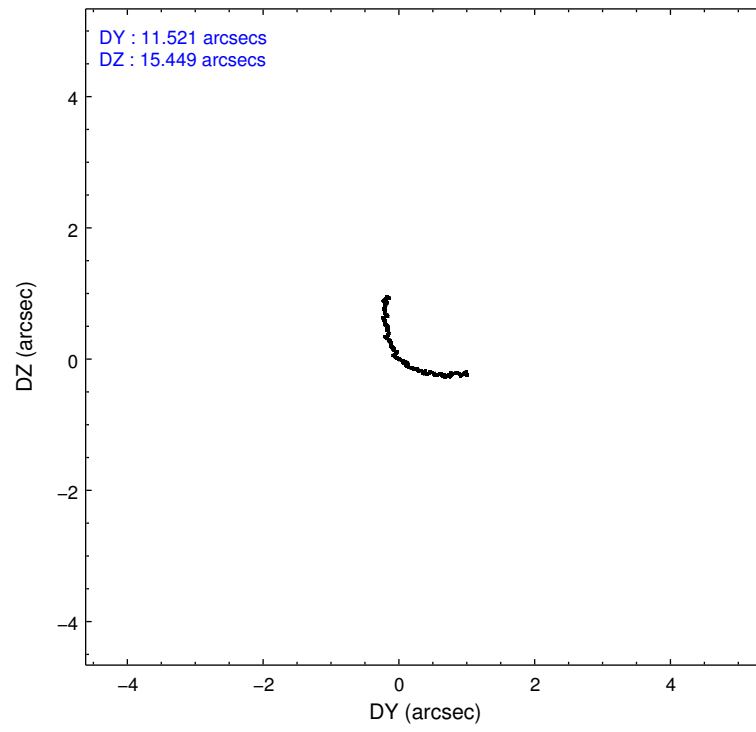
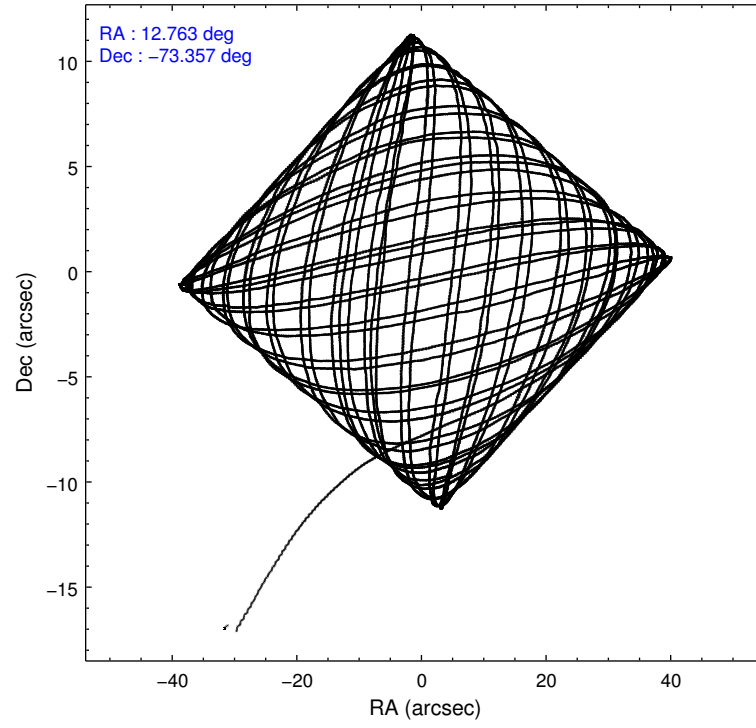
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6275	4988	6170	9357
	4%	3%	4%	6%
grade 1 events	72	74	88	221
	0%	0%	0%	0%
grade 2 events	3617	2932	3468	16240
	2%	2%	2%	11%
grade 3 events	1525	1518	1614	7133
	1%	1%	1%	4%
grade 4 events	1484	1515	1561	7099
	1%	1%	1%	4%
grade 5 events	4096	5114	5123	15071
	2%	3%	3%	10%
grade 6 events	2649	2586	3086	35663
	1%	1%	2%	24%
grade 7 events	118986	114086	118933	56468
	85%	85%	84%	38%

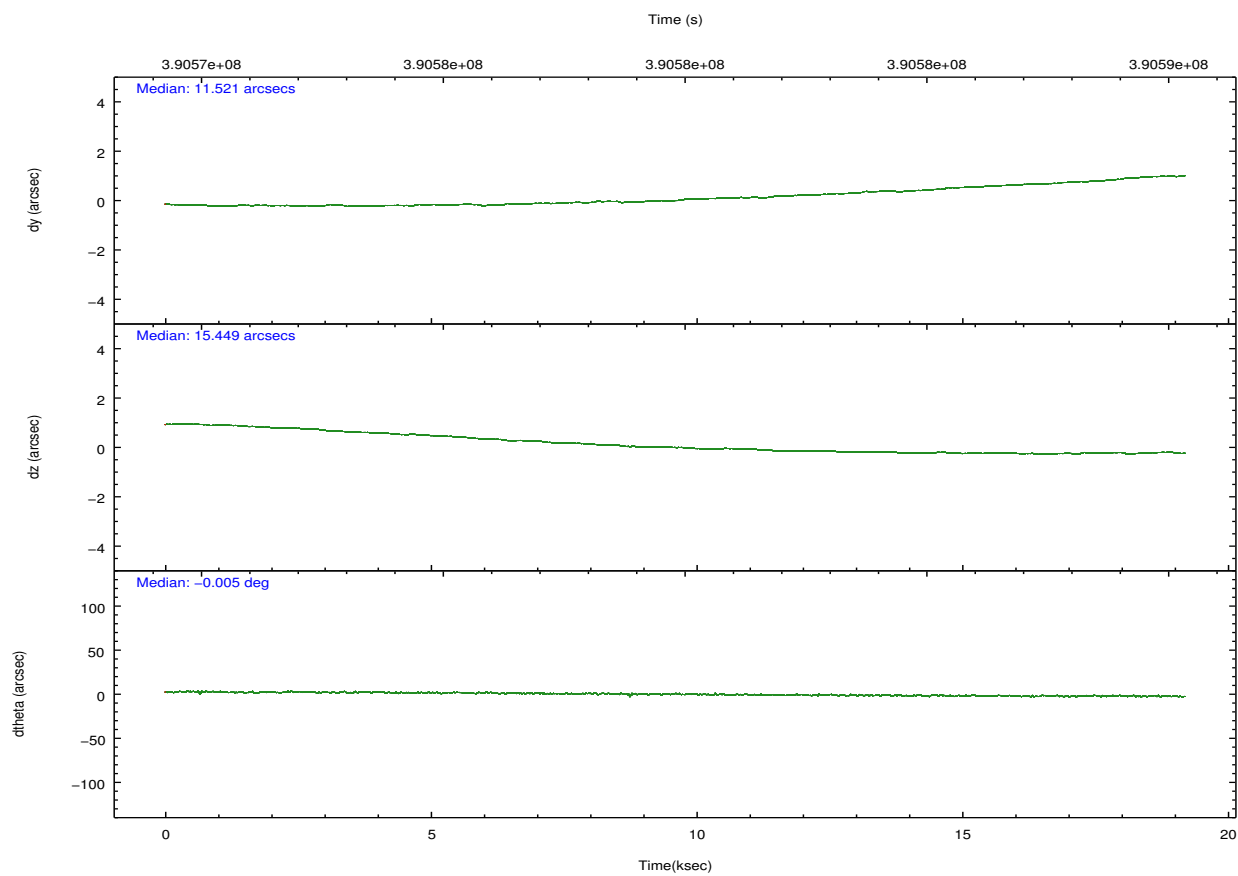
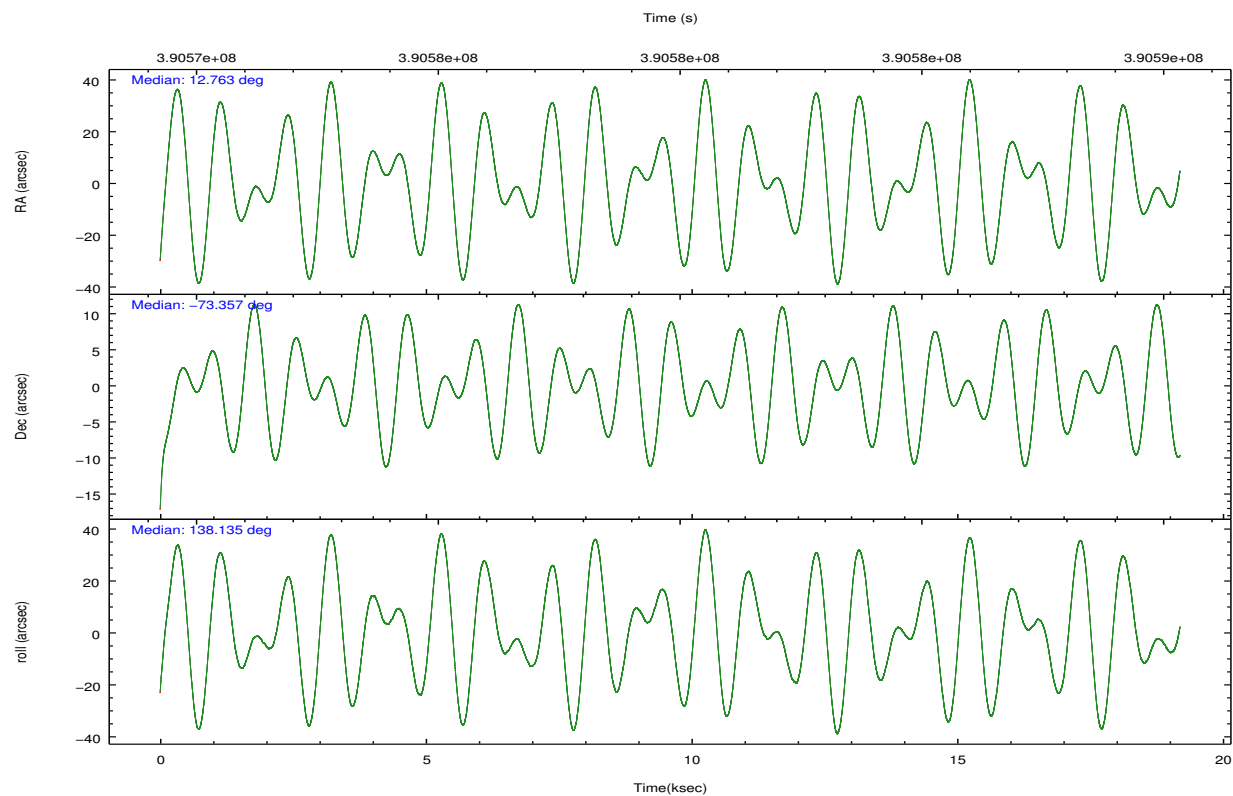
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	12.856233	12.76250362358294
[deg] Pointing Dec	-73.362708	-73.35749768952783
[deg] Pointing Roll	138.073835	138.1406652175049
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	390570387.184000	390569444.58937
Observation start date	2010-05-18T11:45:21	2010-05-18T11:30:44
[s] Observation end time (MET)	390589387.184000	390590081.94042
Observation end date	2010-05-18T17:02:01	2010-05-18T17:14:41
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



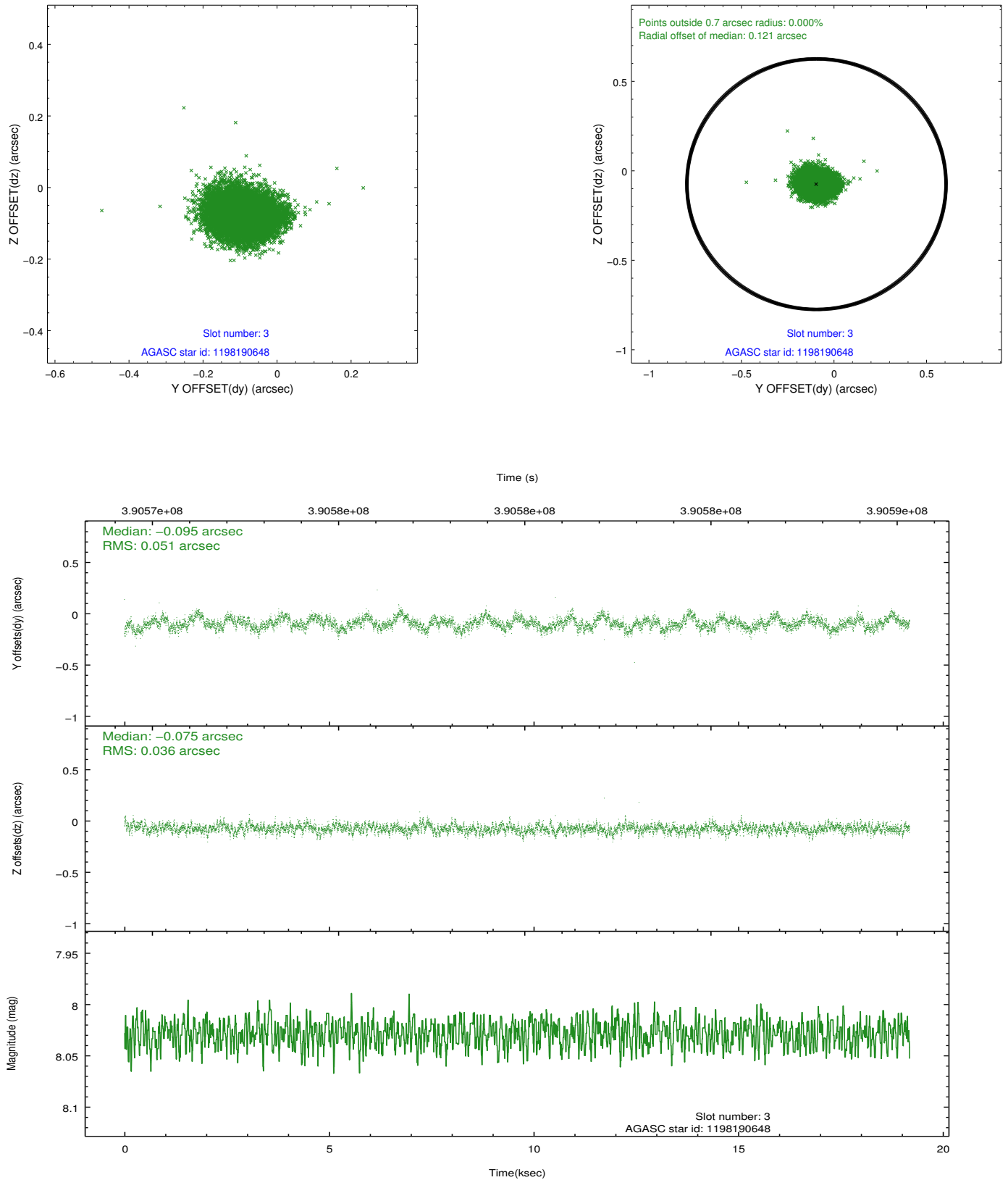


Slot Statistics

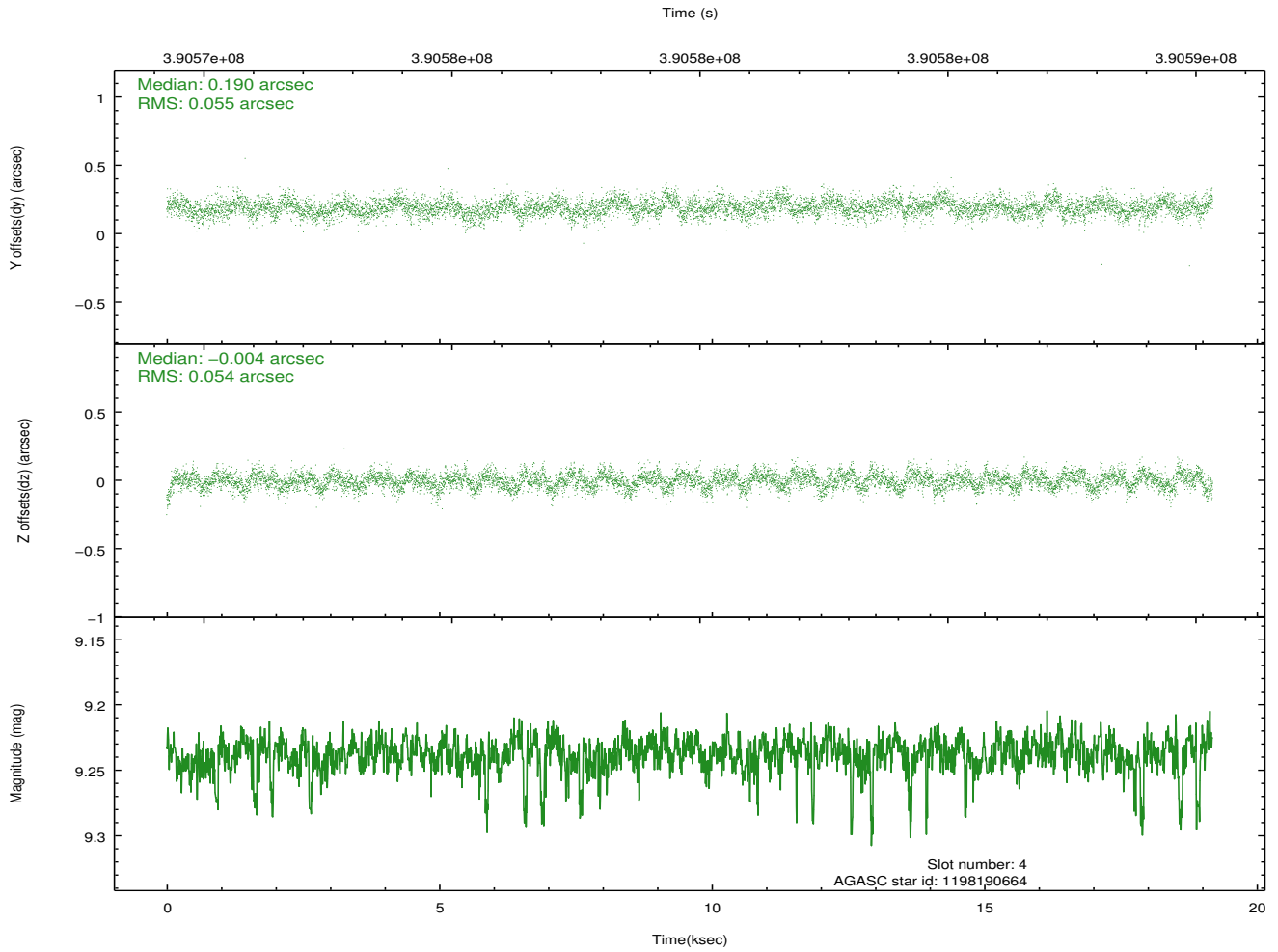
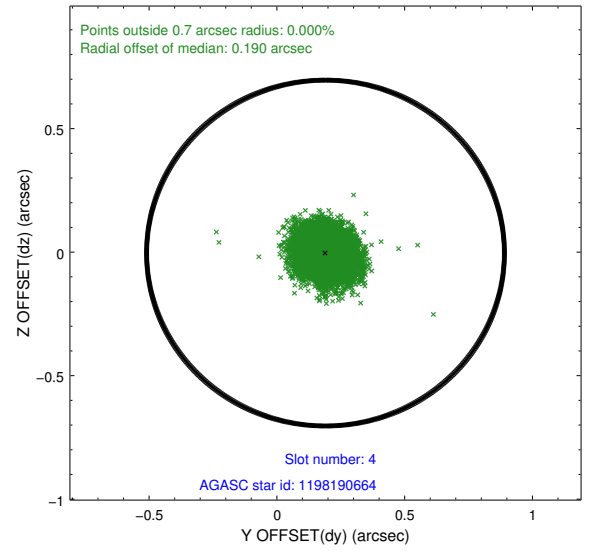
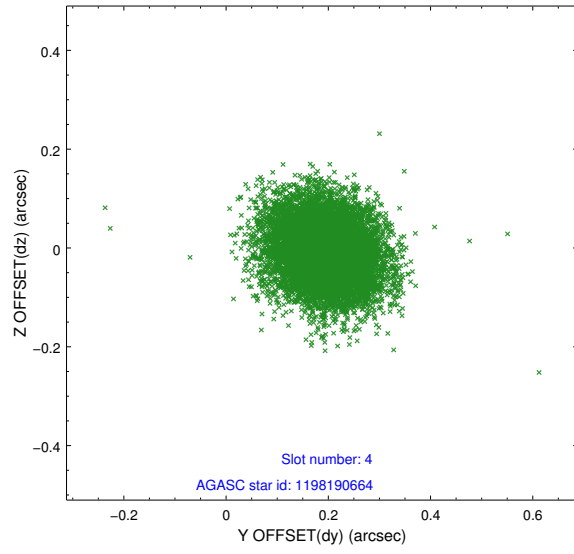
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.96	4681	0.068	-0.027	0.024	0.044	0.000000	0.000000	931.52	-1732.63
1	FID	ACIS-S-2	6.88	4680	-0.074	-0.005	0.009	0.016	0.000000	0.000000	-764.42	-1737.33
2	FID	ACIS-S-6	7.10	4679	-0.012	0.040	0.022	0.034	0.000000	0.000000	397.04	808.59
3	GUIDE	1198190648	8.03	9361	-0.095	-0.075	0.066	0.107	12.344115	-73.478663	109.66	662.77
4	GUIDE	1198190664	9.24	9320	0.190	-0.004	0.081	0.134	14.057016	-73.825958	-2018.27	445.40
5	GUIDE	1198191824	9.34	9305	-0.010	-0.002	0.103	0.169	11.519918	-73.478175	729.81	1234.83
6	GUIDE	1198192408	9.41	9285	-0.154	0.150	0.102	0.164	12.860639	-72.678863	1641.70	-1834.27
7	GUIDE	1198192456	8.58	9360	0.064	-0.066	0.079	0.129	13.422921	-73.869405	-1641.81	980.28

2.4 Star Slots

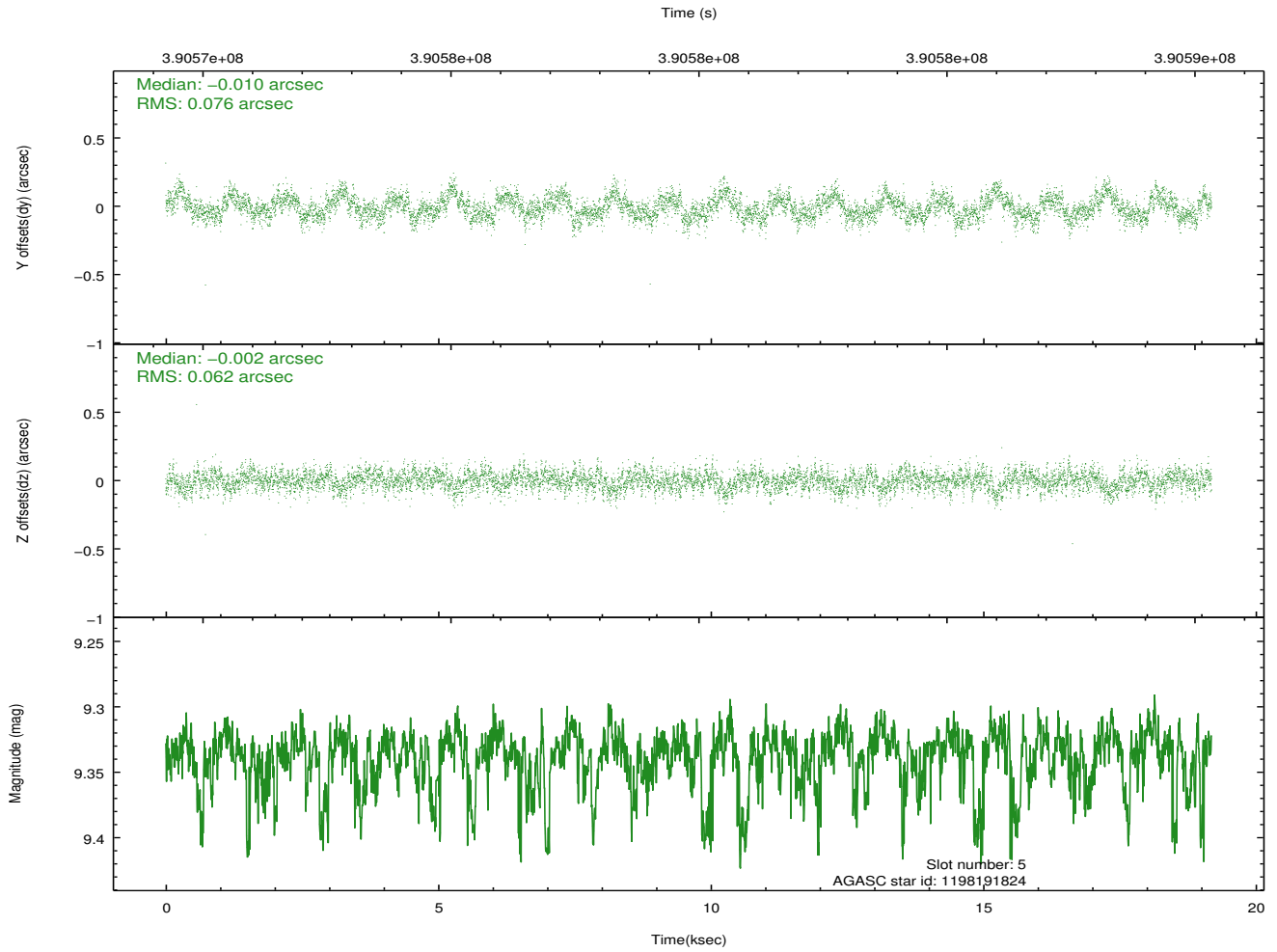
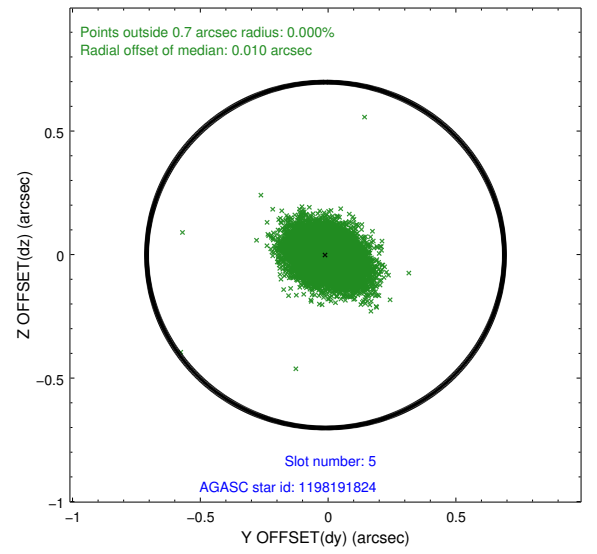
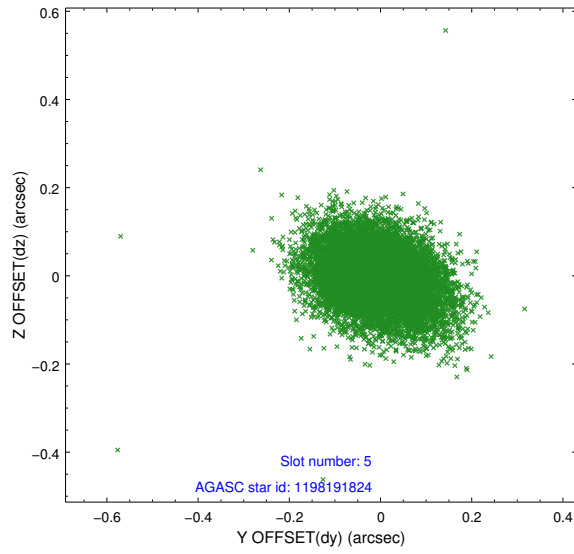
2.4.1 Slot 3



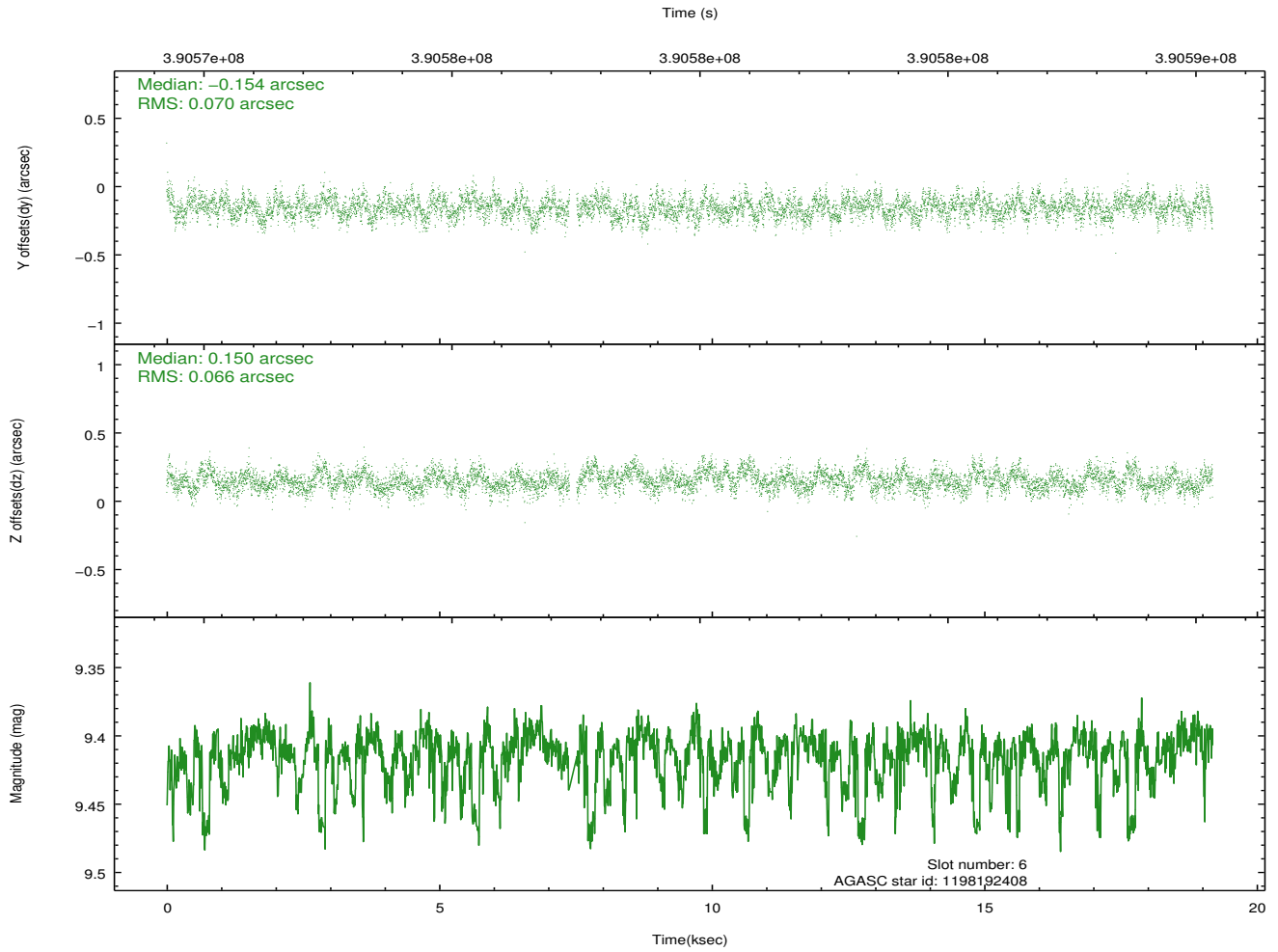
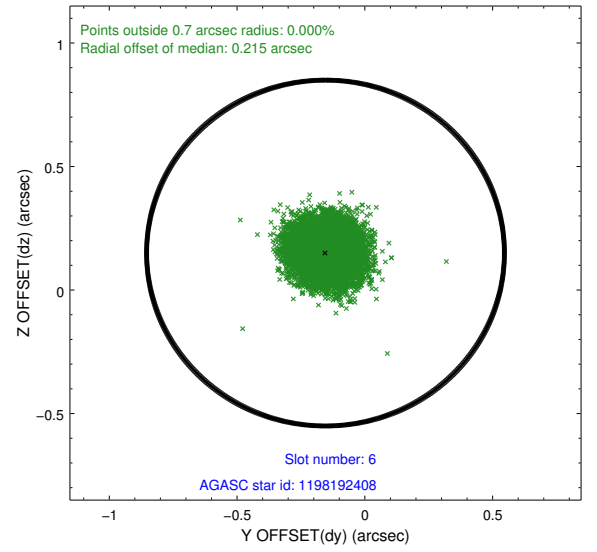
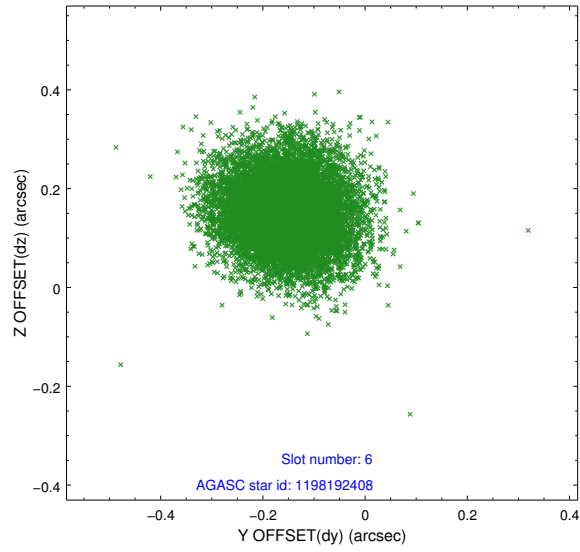
2.4.2 Slot 4



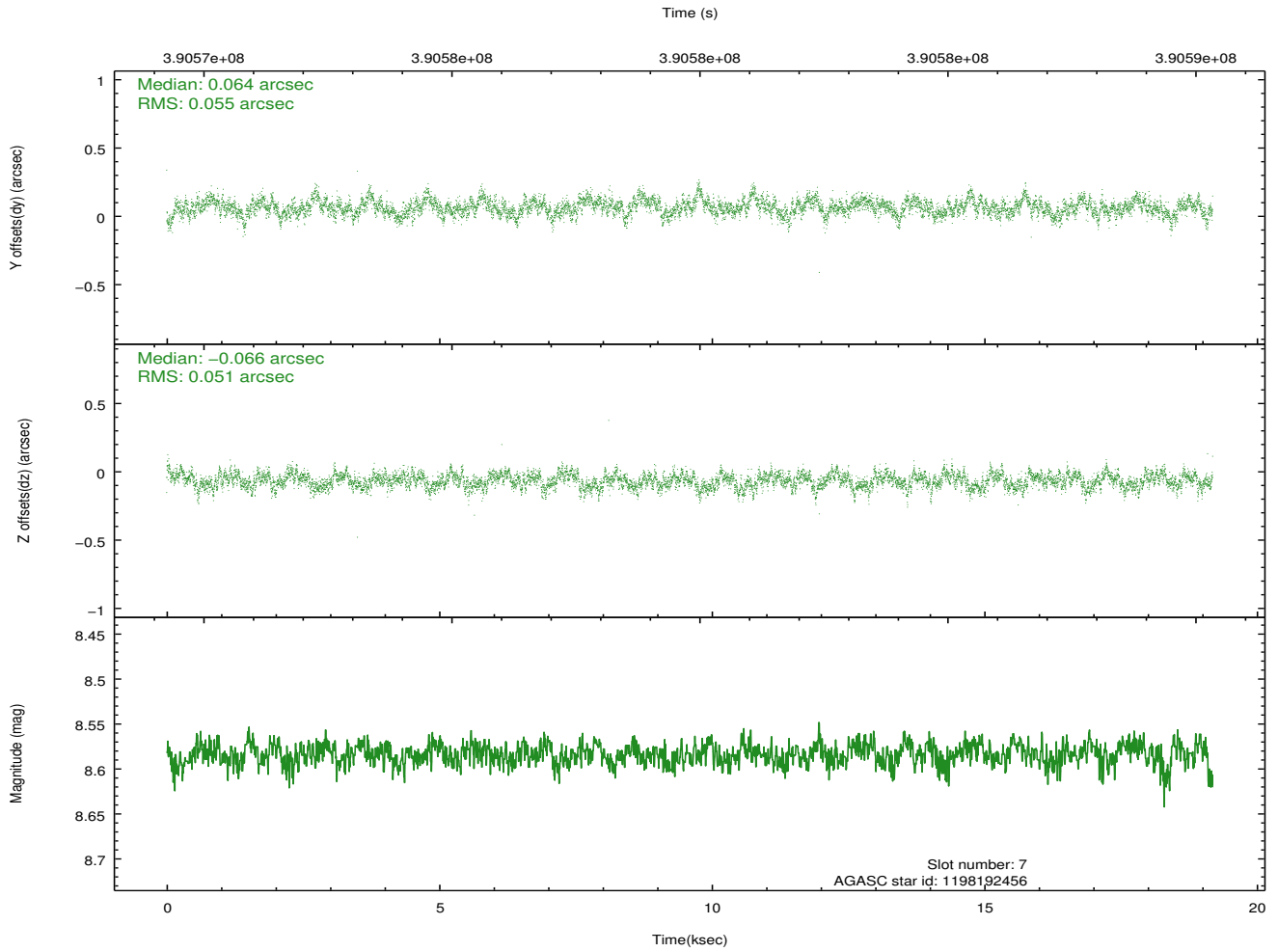
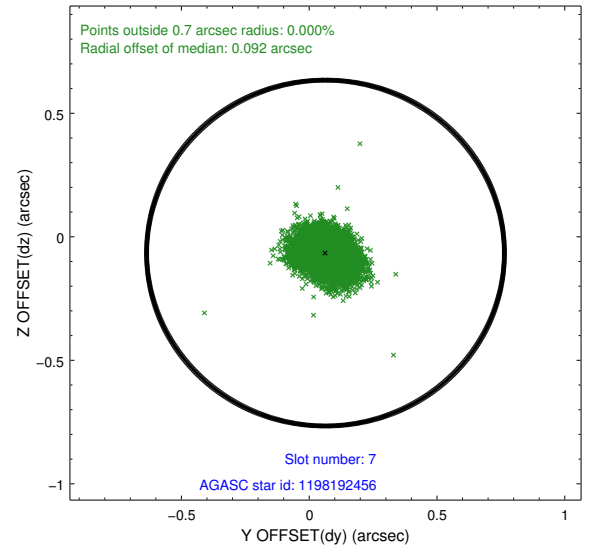
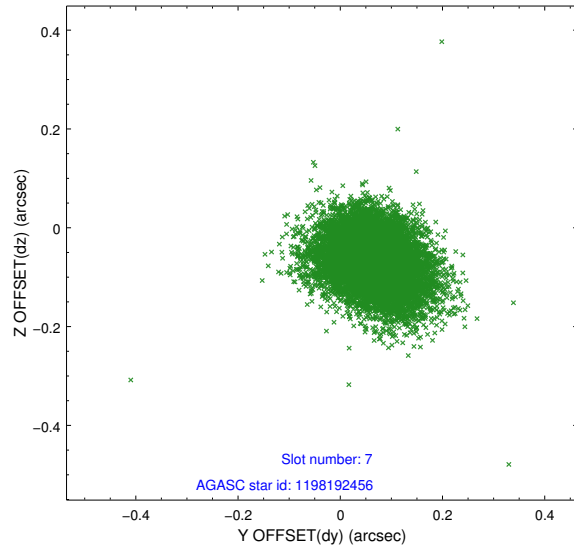
2.4.3 Slot 5



2.4.4 Slot 6

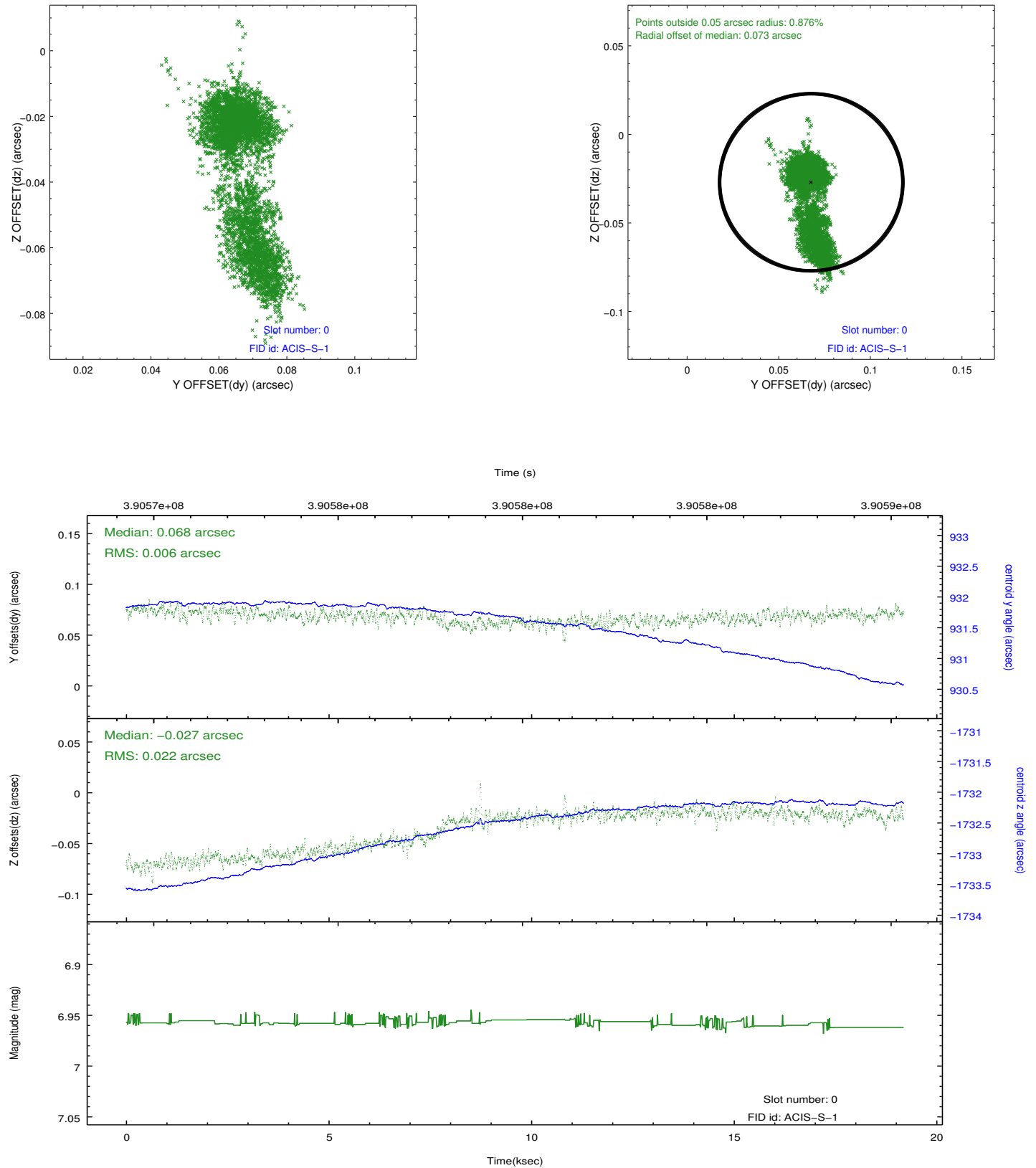


2.4.5 Slot 7

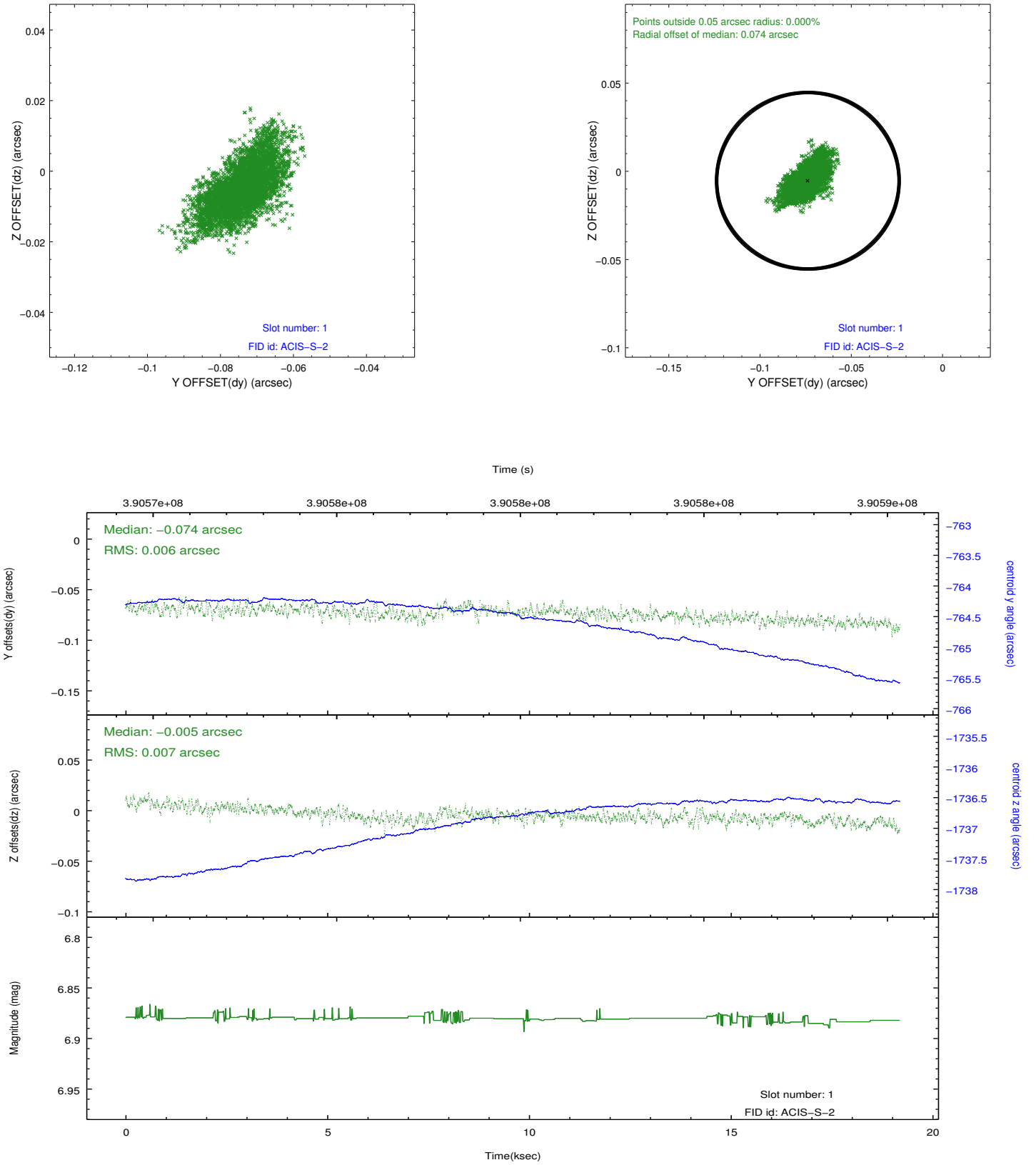


2.5 FID Slots

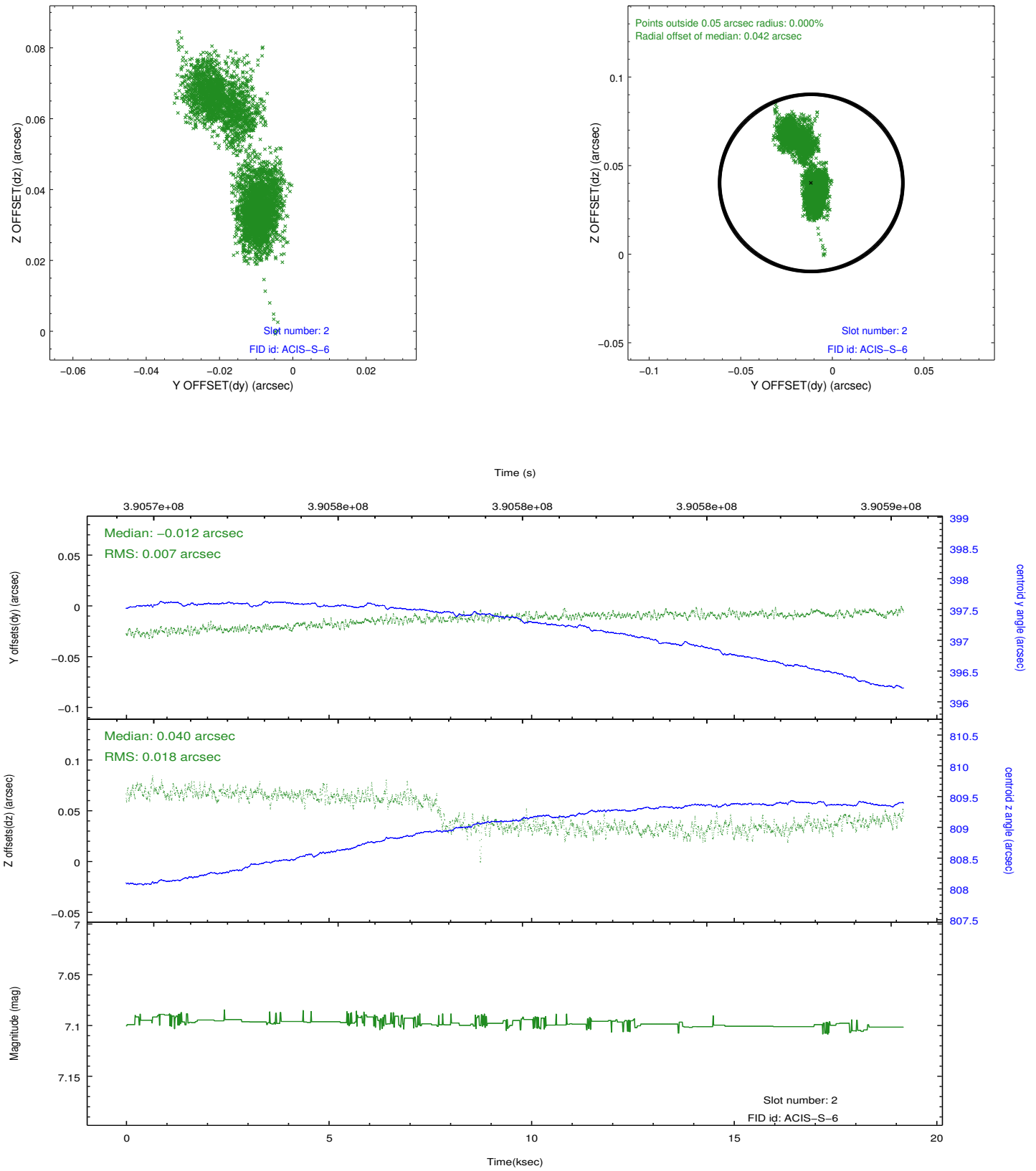
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.051414771318

A.2 Comments