

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11983 - L2 Version 2
Chandra X-Ray Center

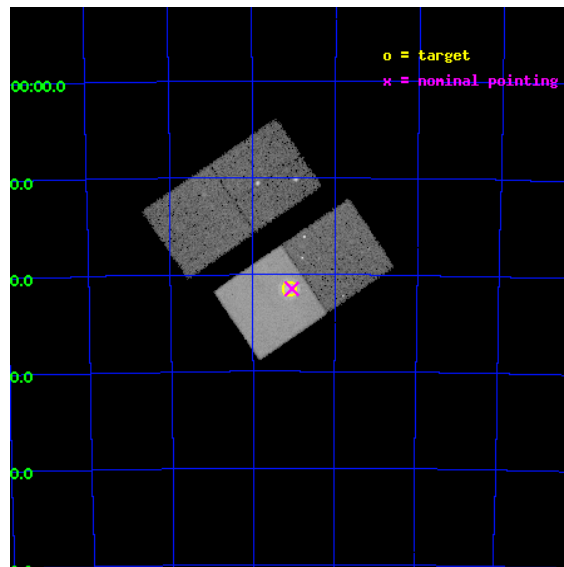
L2 Processing Date : Jun 25 2012

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1 Front

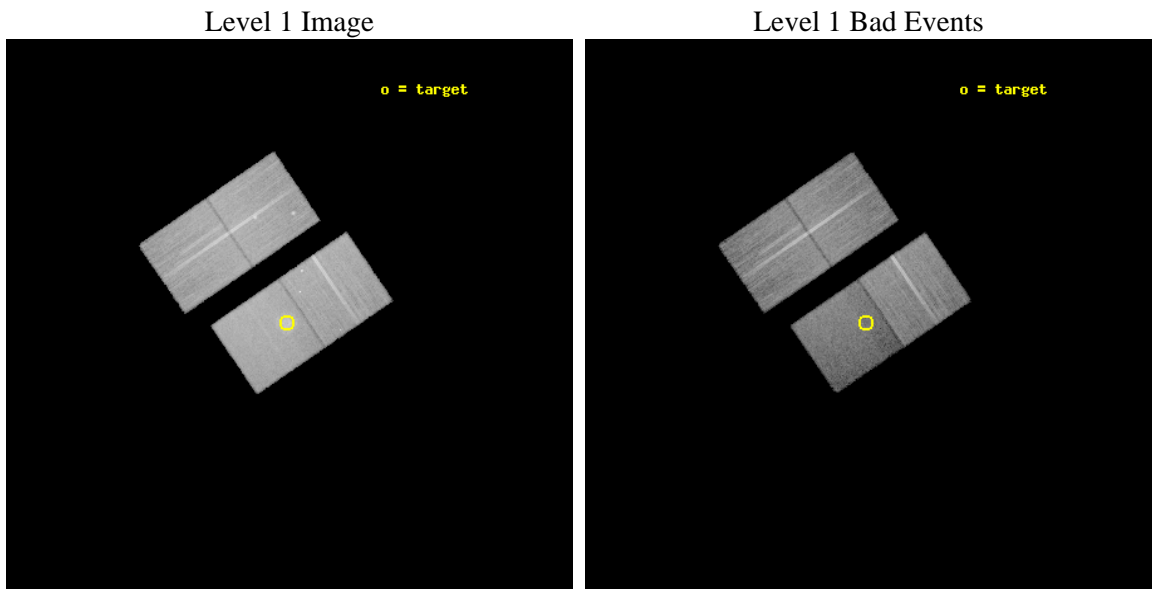
seq_num	501185	Sequence number
obs_id	11983	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.7622261915	Nominal RA [deg]
dec_nom	-73.358096897073	Nominal Dec [deg]
roll_nom	145.64039323044	Nominal Roll [deg]
revision	2	Processing version of data
ontime	29732.100228667	Sum of GTIs [s]
livetime	29343.628450726	Livetime [s]
ontime2	29728.959228456	Sum of GTIs [s]
ontime3	29728.959248364	Sum of GTIs [s]
ontime6	29732.100228667	Sum of GTIs [s]
ontime7	29732.100228667	Sum of GTIs [s]
l2events	170283	Number of level 2 events



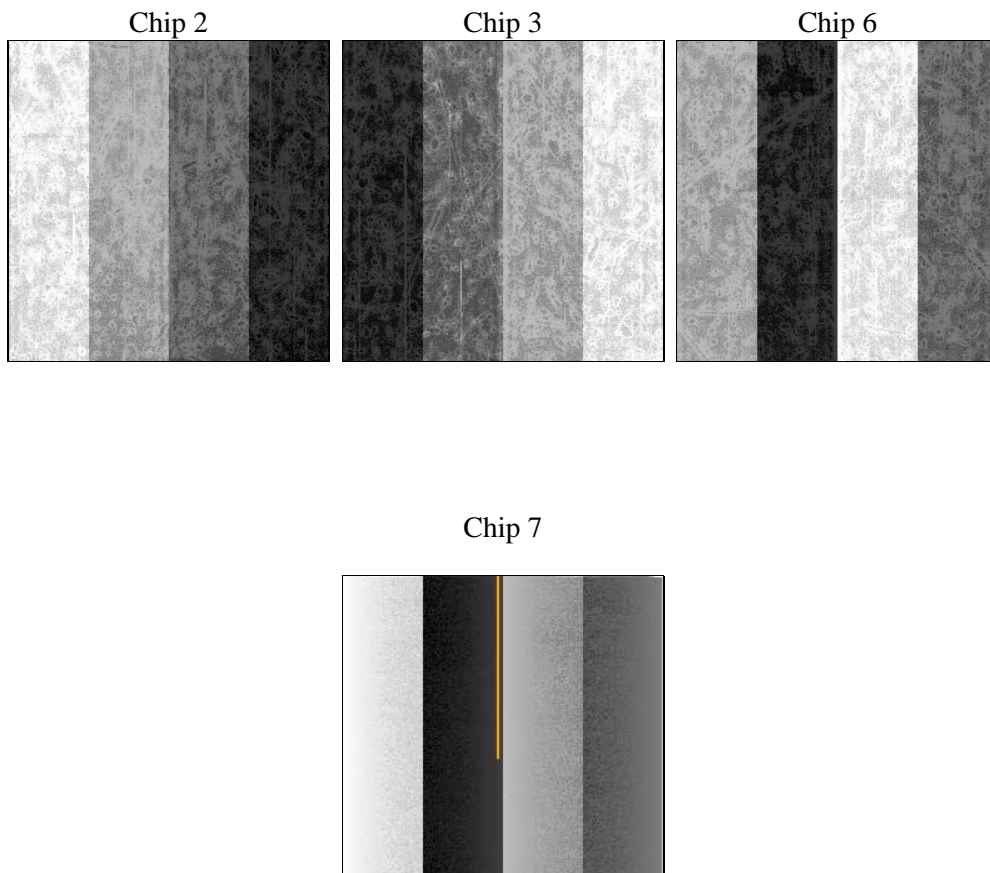
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29580.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	29732.100228667	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	29728.959228456	Sum of GTIs [s]
date	2012-06-26T00:53:21	Date and time of file creation	ontime3	29728.959248364	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	29732.100228667	Sum of GTIs [s]
			ontime7	29732.100228667	Sum of GTIs [s]
			l1events	861514	Number of level 1 events

2.1.4 Events

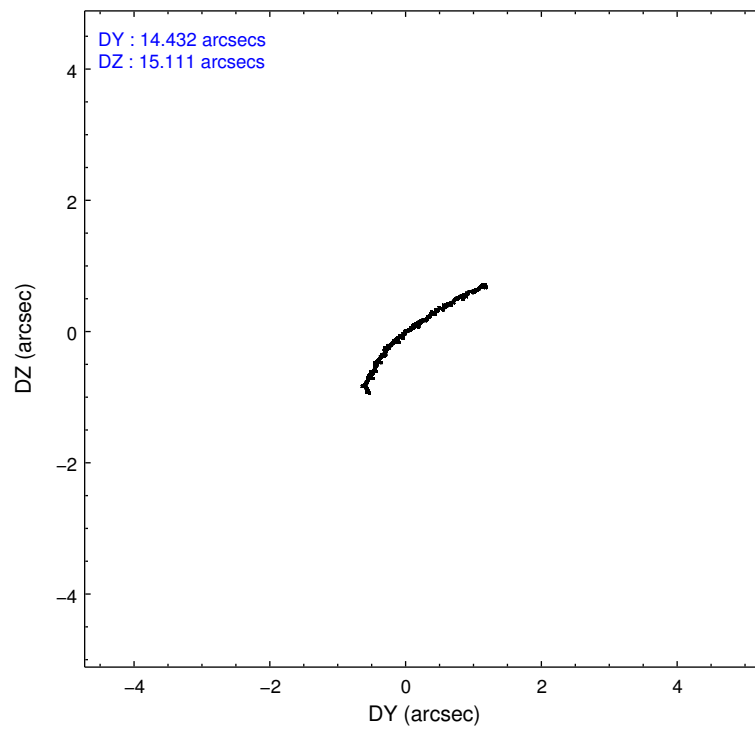
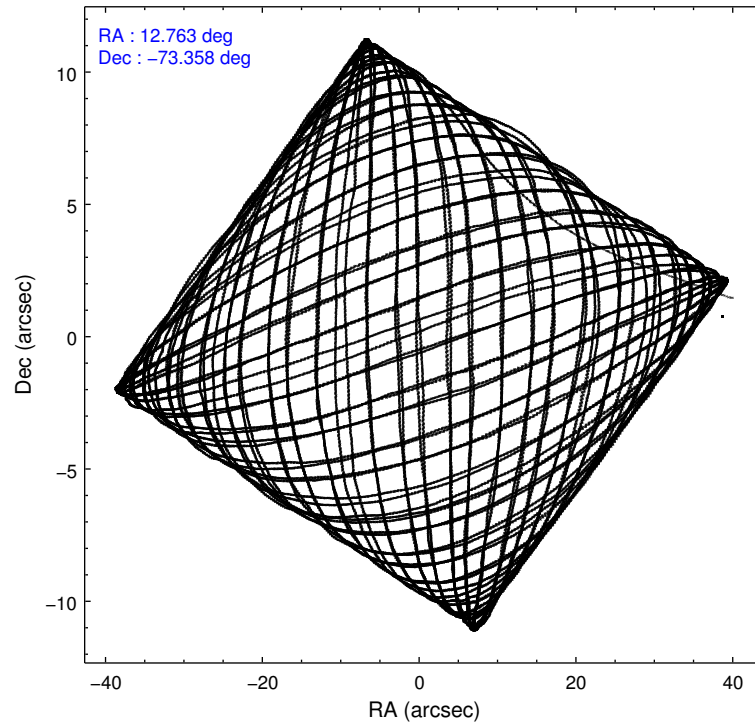
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	216923	204715	214222	225654
rejected events	193028	184109	188946	111721
rejected %	88%	89%	88%	49%

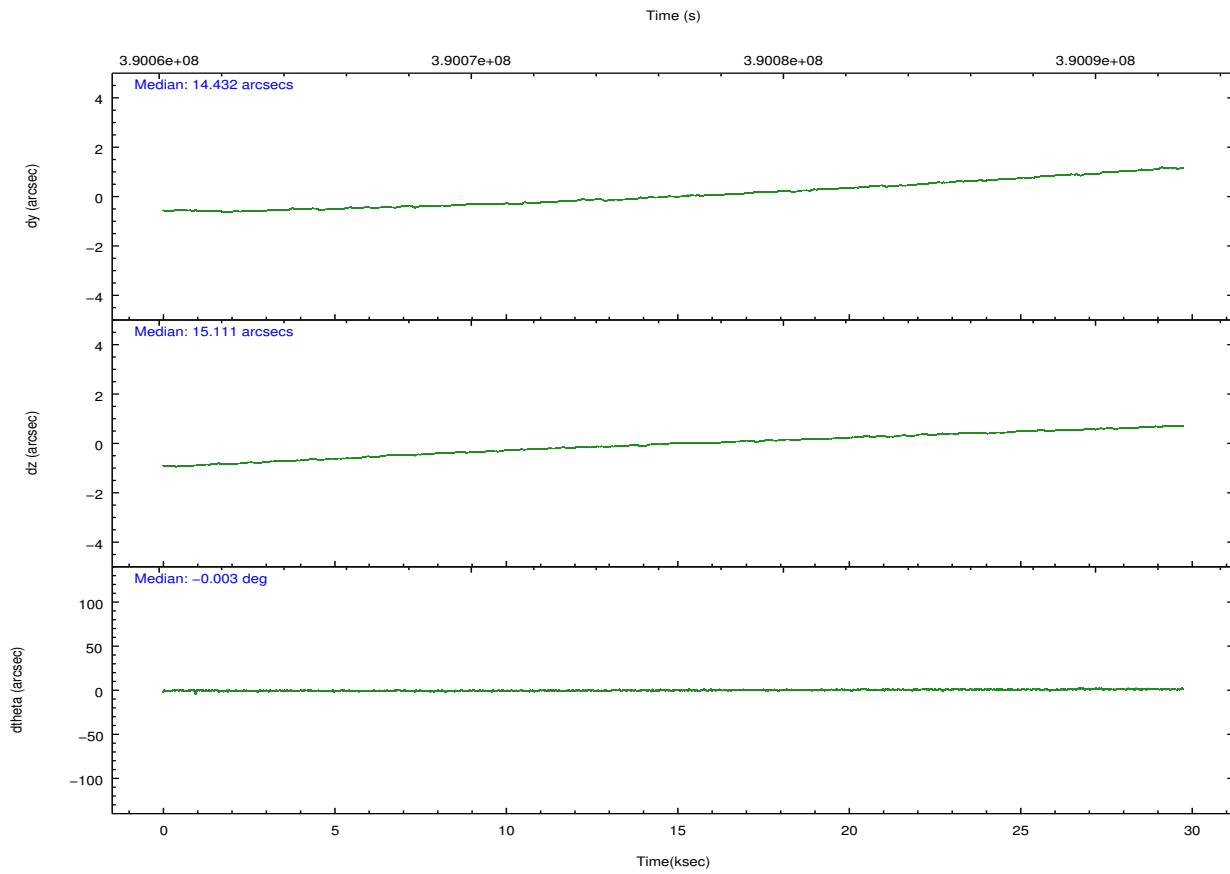
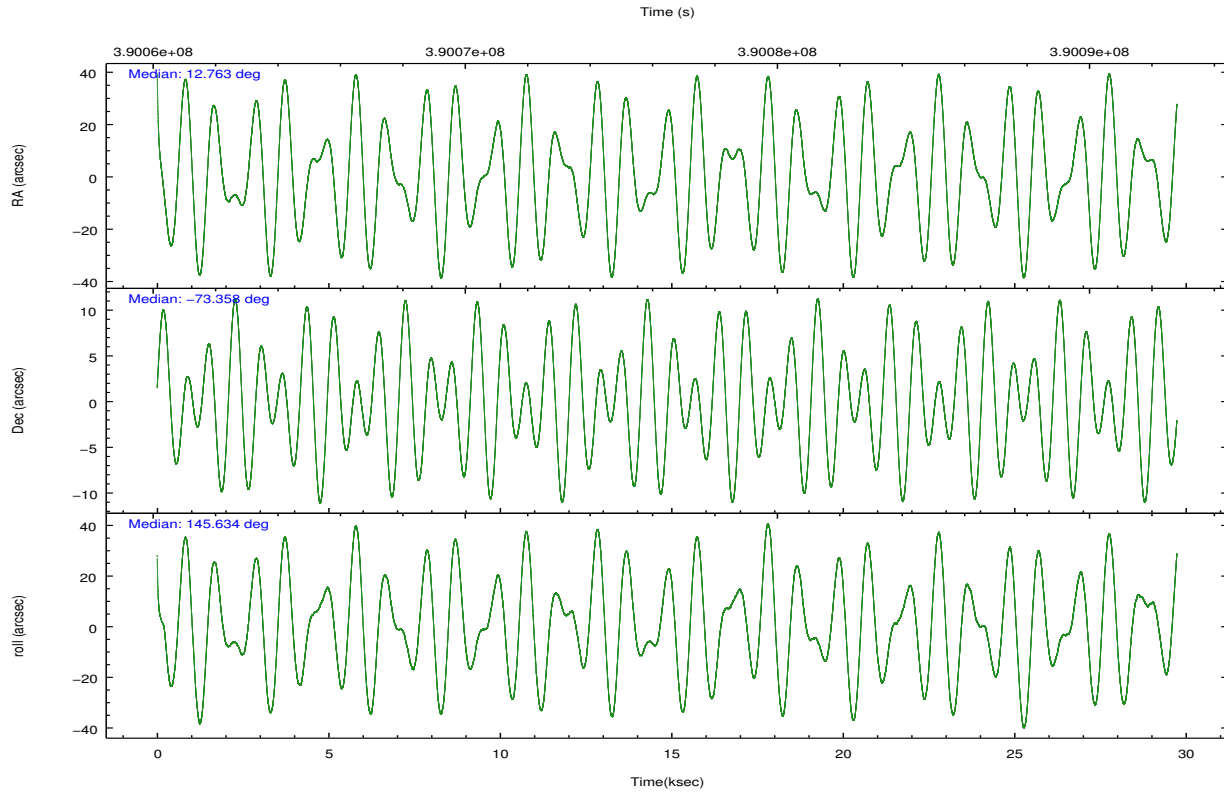
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10040	7503	10249	14071
	4%	3%	4%	6%
grade 1 events	129	129	137	378
	0%	0%	0%	0%
grade 2 events	5574	4624	5487	24949
	2%	2%	2%	11%
grade 3 events	2309	2374	2470	10803
	1%	1%	1%	4%
grade 4 events	2413	2249	2455	10535
	1%	1%	1%	4%
grade 5 events	6554	7939	7832	22844
	3%	3%	3%	10%
grade 6 events	3818	4054	4870	54720
	1%	1%	2%	24%
grade 7 events	186086	175843	180722	87354
	85%	85%	84%	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	12.857551	12.76222619149985	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.359794	-73.35809689707263	Alternating exposures requested	N	N
[deg] Pointing Roll	145.575103	145.6403932304432	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	390061750.184000	390060684.78848			
Observation start date	2010-05-12T14:28:04	2010-05-12T14:11:24			
[s] Observation end time (MET)	390091330.184000	390091973.42757			
Observation end date	2010-05-12T22:41:04	2010-05-12T22:52:53			
Read mode	TIMED	TIMED			

2.3 Aspect



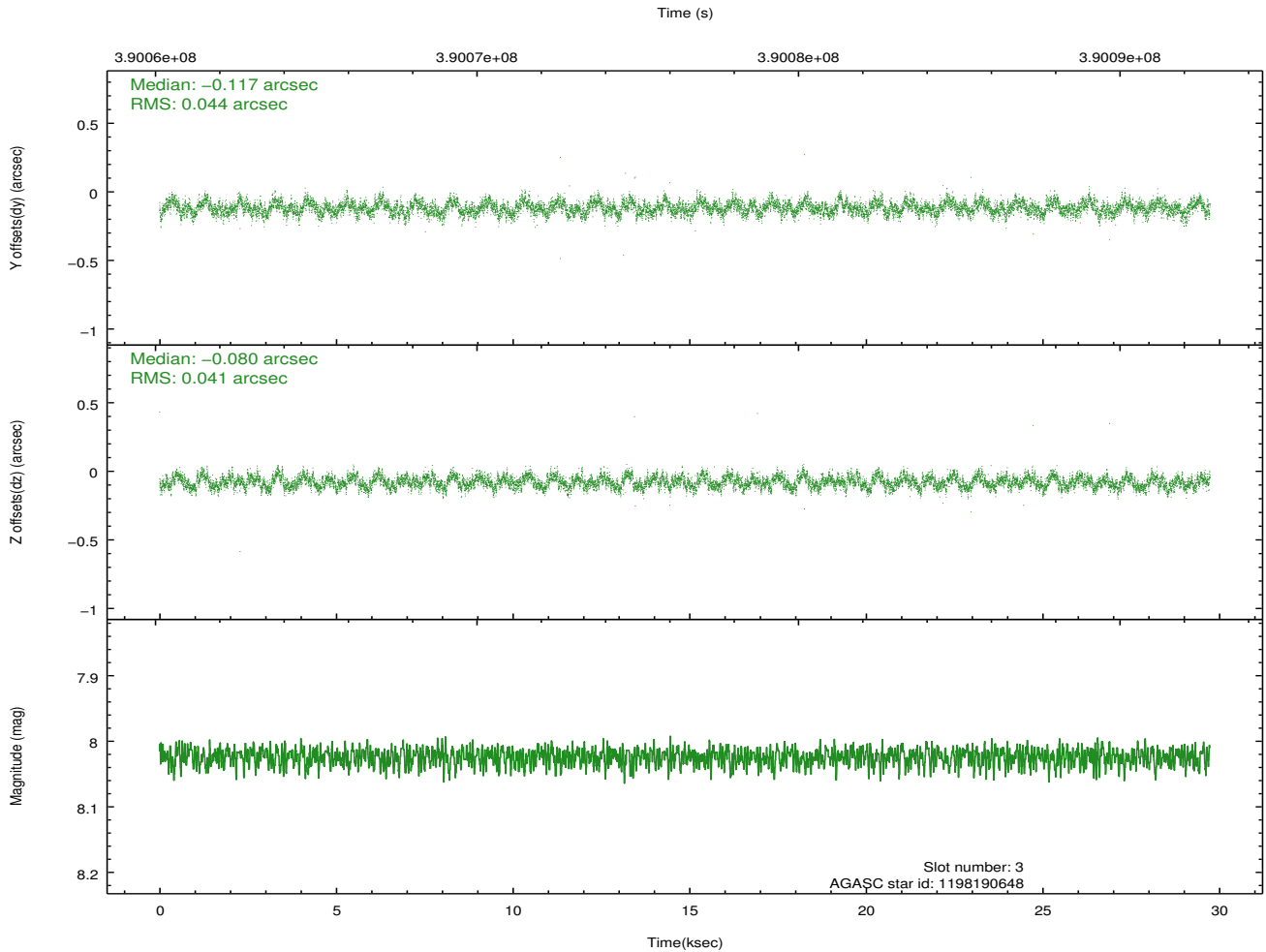
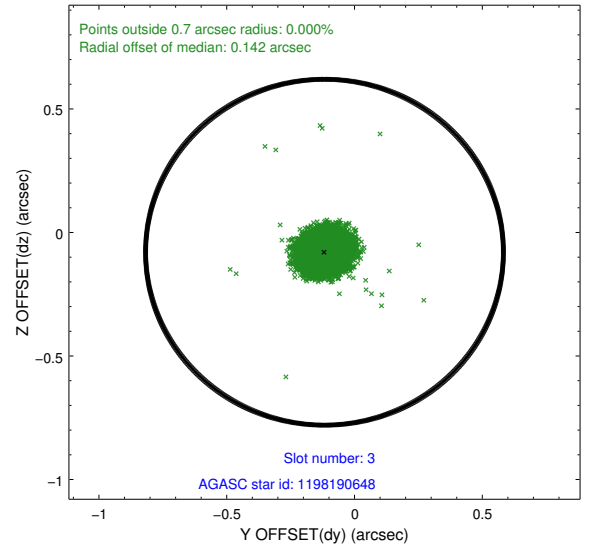
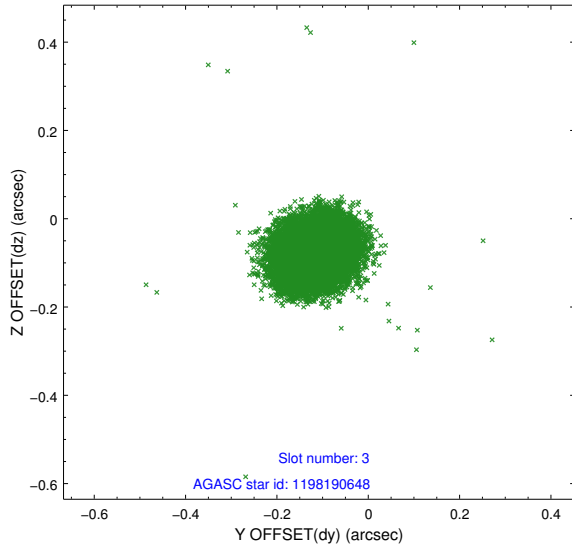


Slot Statistics

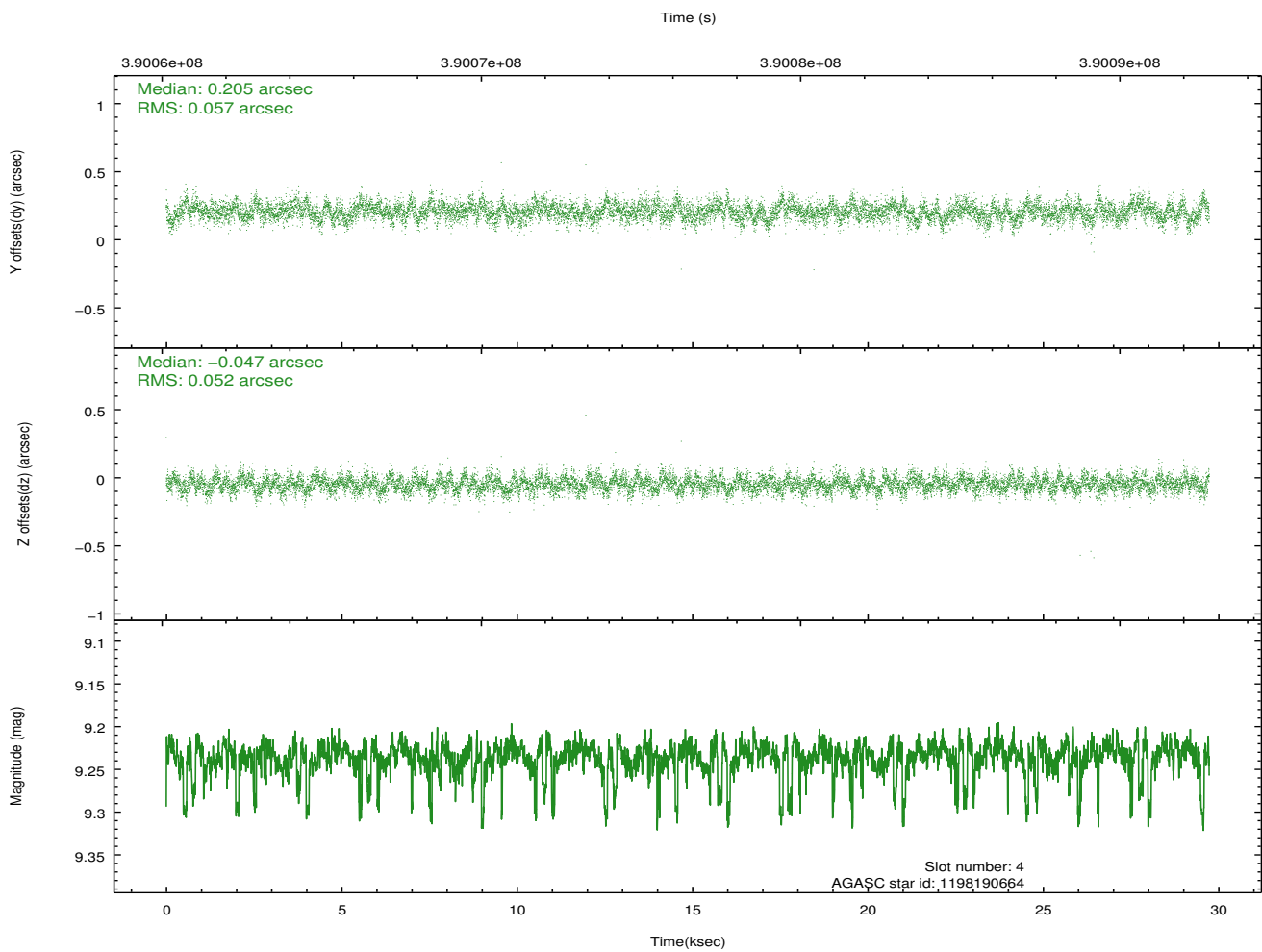
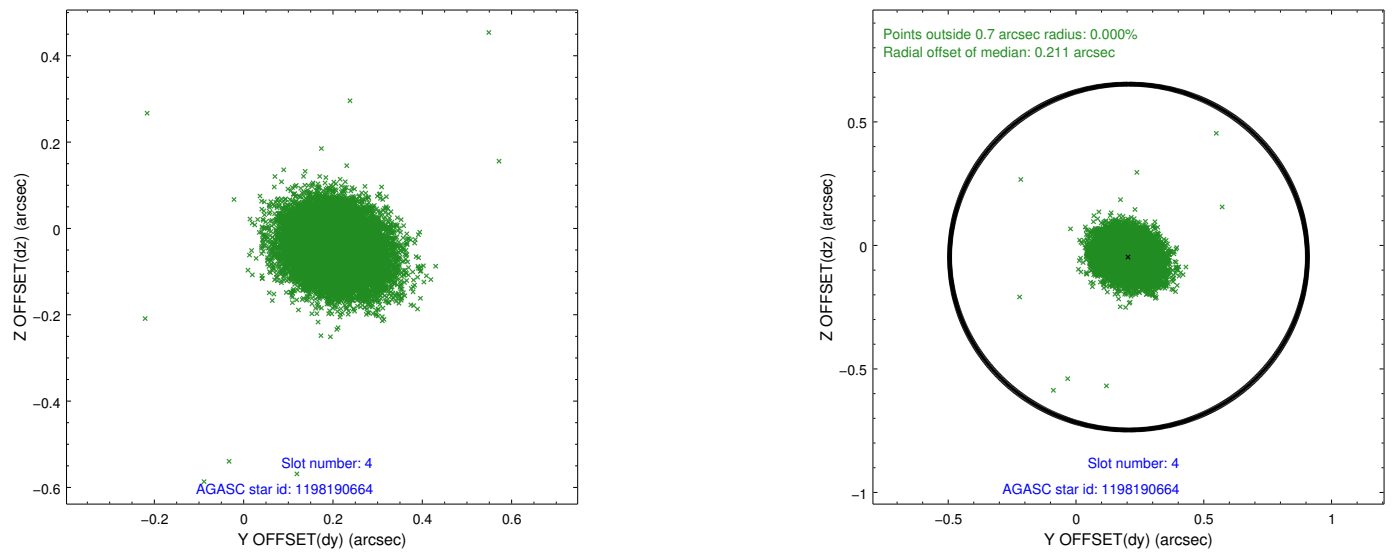
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	7253	0.042	-0.009	0.034	0.047	0.000000	0.000000	928.54	-1732.05
1	FID	ACIS-S-2	6.91	7252	-0.167	-0.071	0.019	0.029	0.000000	0.000000	-767.53	-1736.68
2	FID	ACIS-S-4	6.99	7253	0.097	0.086	0.022	0.037	0.000000	0.000000	2145.86	172.08
3	GUIDE	1198190648	8.02	14506	-0.117	-0.080	0.064	0.101	12.344115	-73.478663	190.29	652.28
4	GUIDE	1198190664	9.23	14452	0.205	-0.047	0.081	0.132	14.057016	-73.825958	-1947.80	714.49
5	GUIDE	1198191824	9.33	14473	-0.010	-0.038	0.117	0.179	11.519918	-73.478175	879.88	1138.46
6	GUIDE	1198192408	9.41	14433	-0.134	0.210	0.103	0.165	12.860639	-72.678863	1383.33	-2023.29
7	GUIDE	1198192456	8.57	14505	0.057	-0.045	0.063	0.102	13.422921	-73.869405	-1504.80	1195.78

2.4 Star Slots

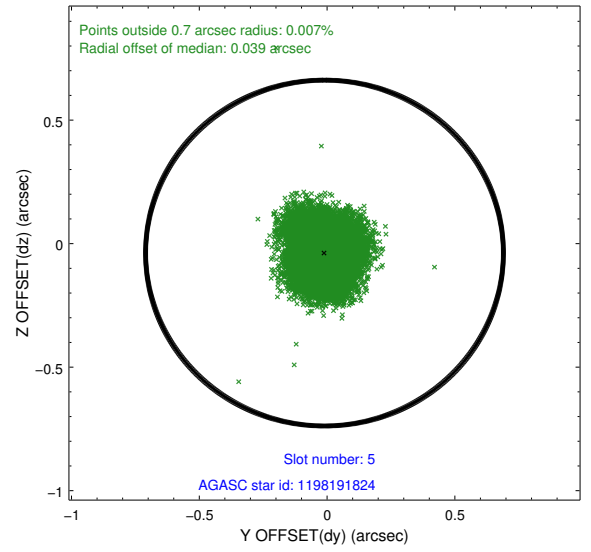
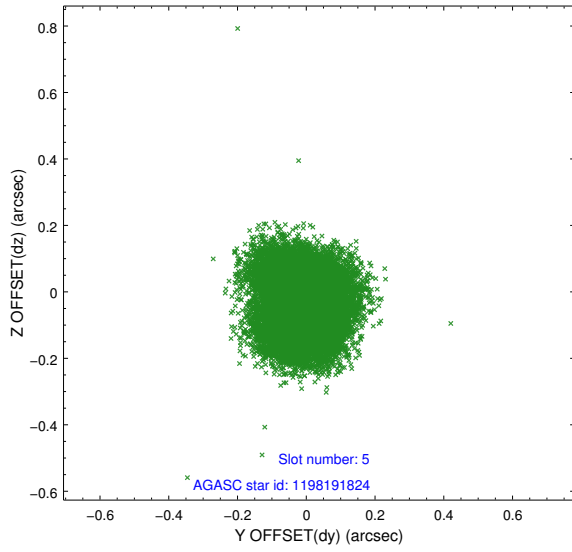
2.4.1 Slot 3



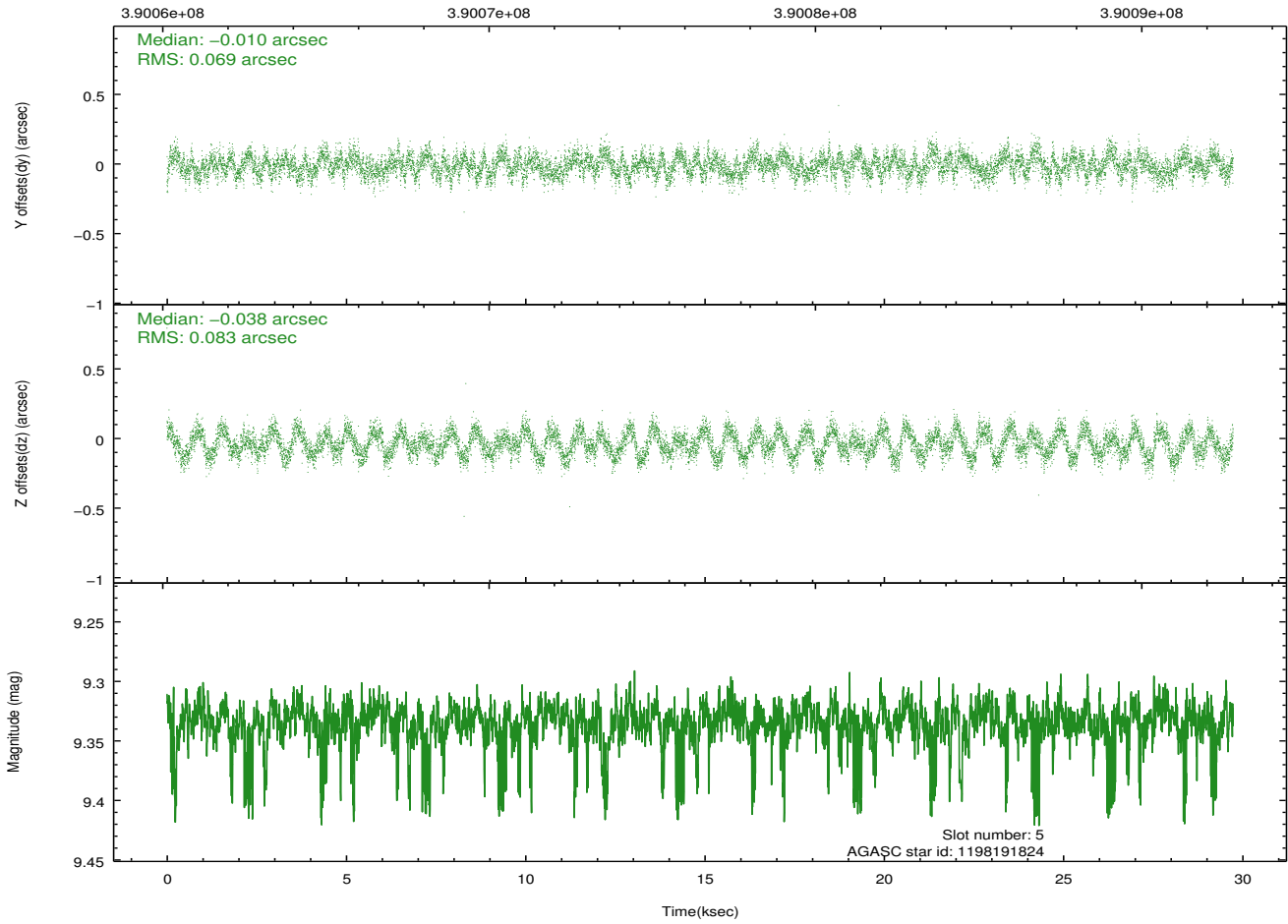
2.4.2 Slot 4



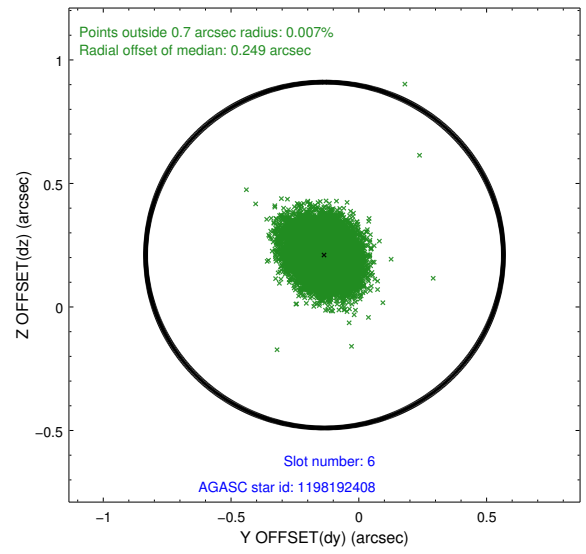
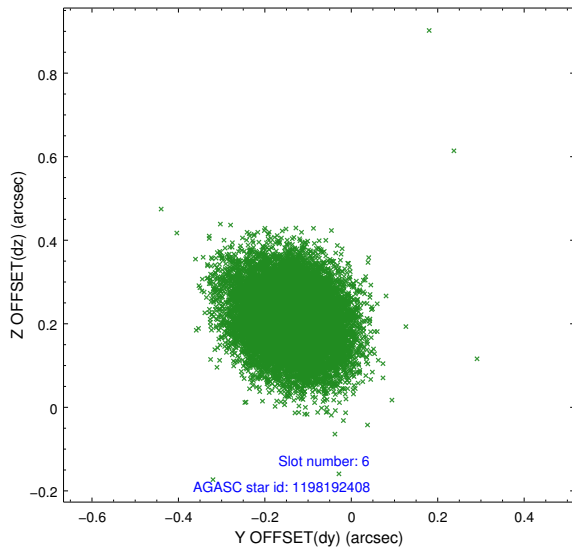
2.4.3 Slot 5



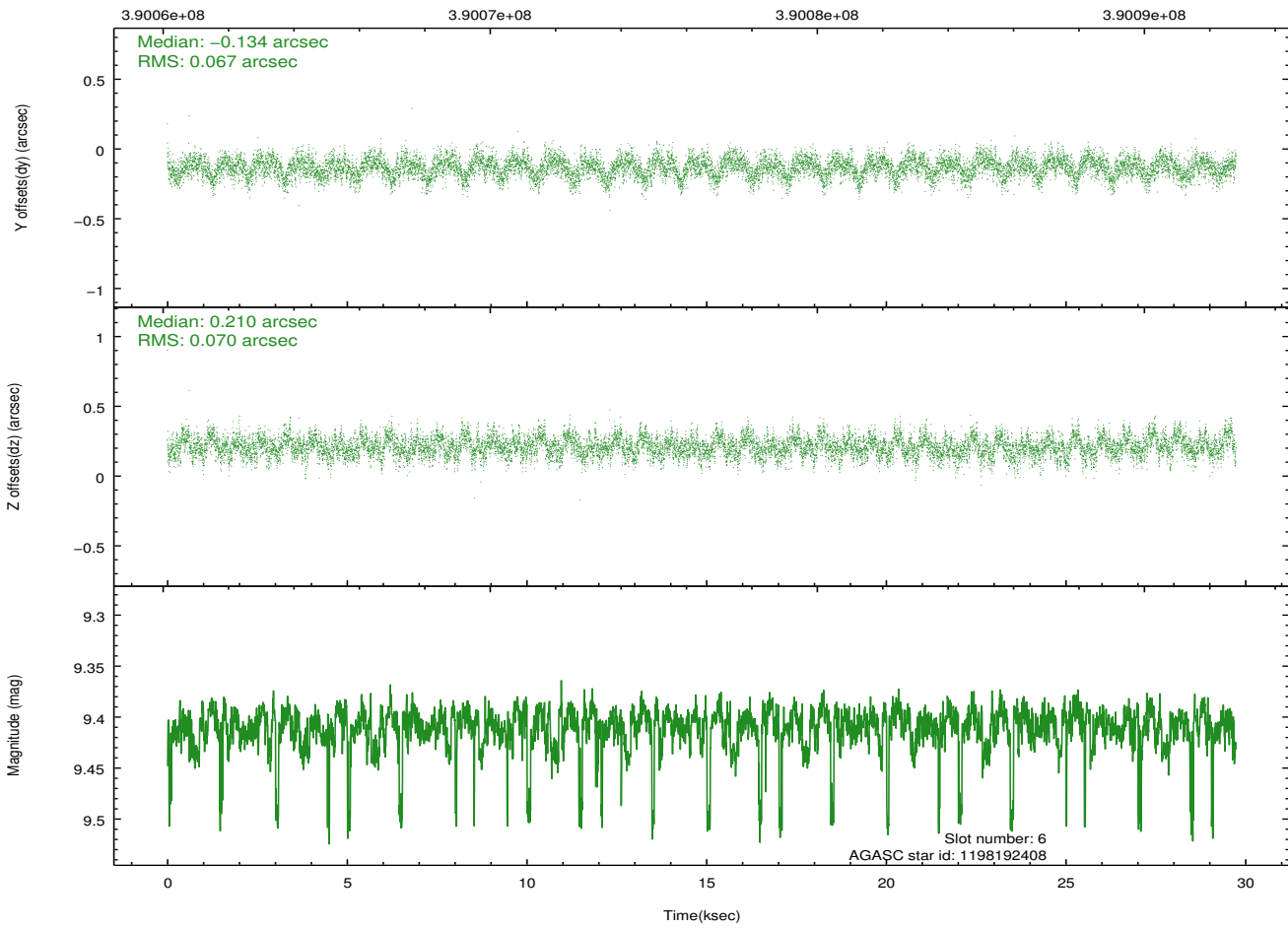
Time (s)



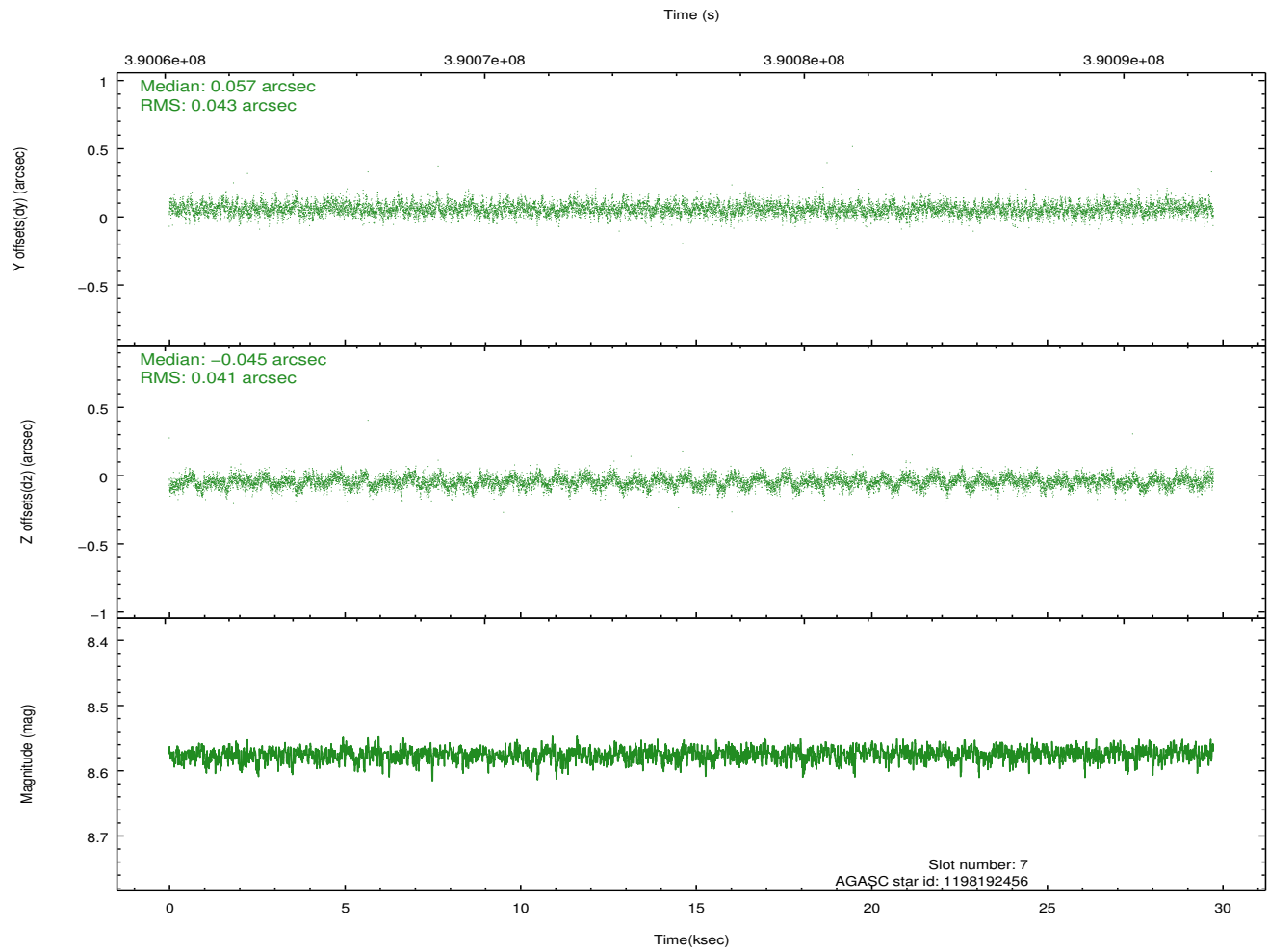
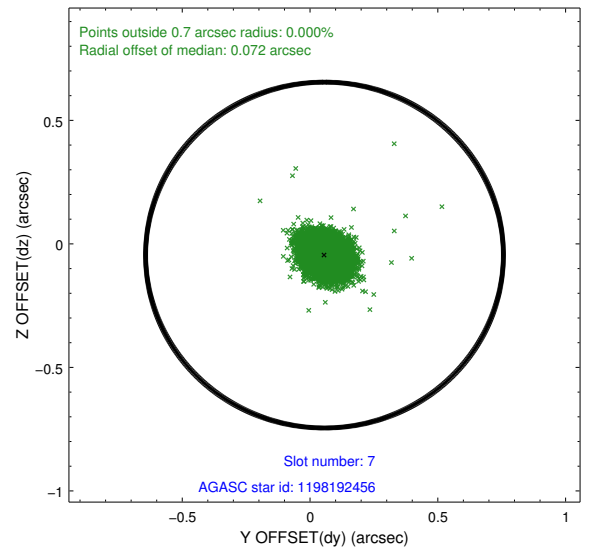
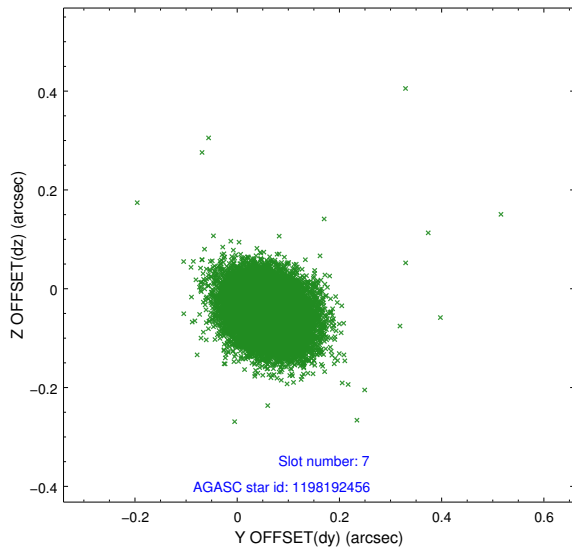
2.4.4 Slot 6



Time (s)

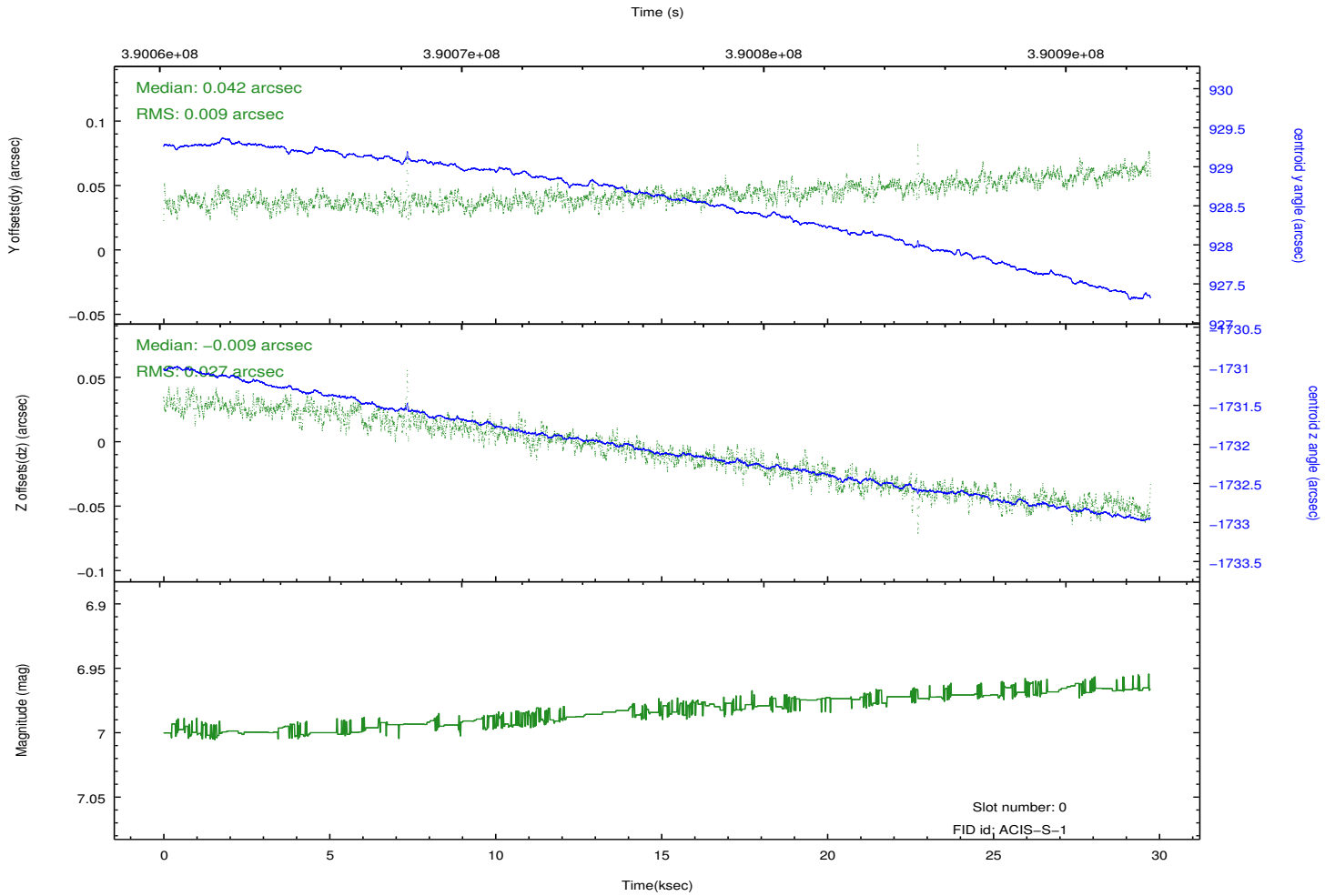
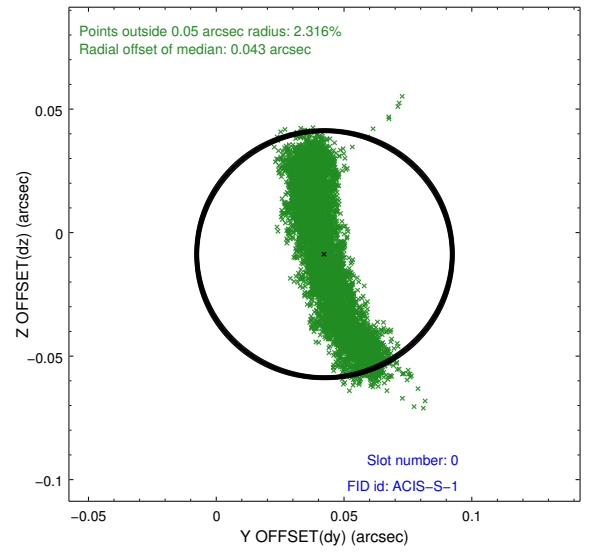
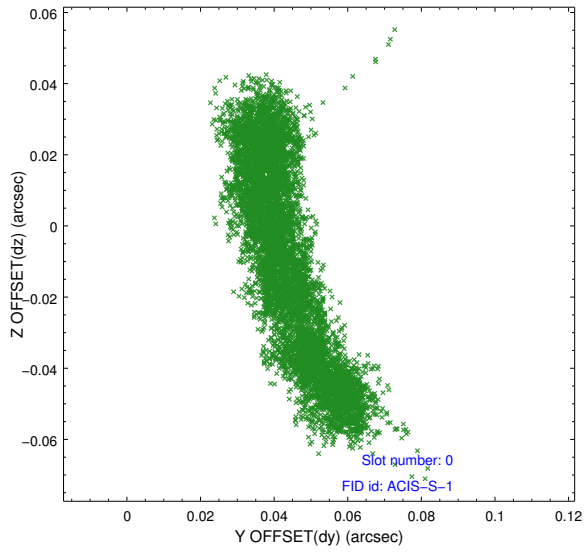


2.4.5 Slot 7

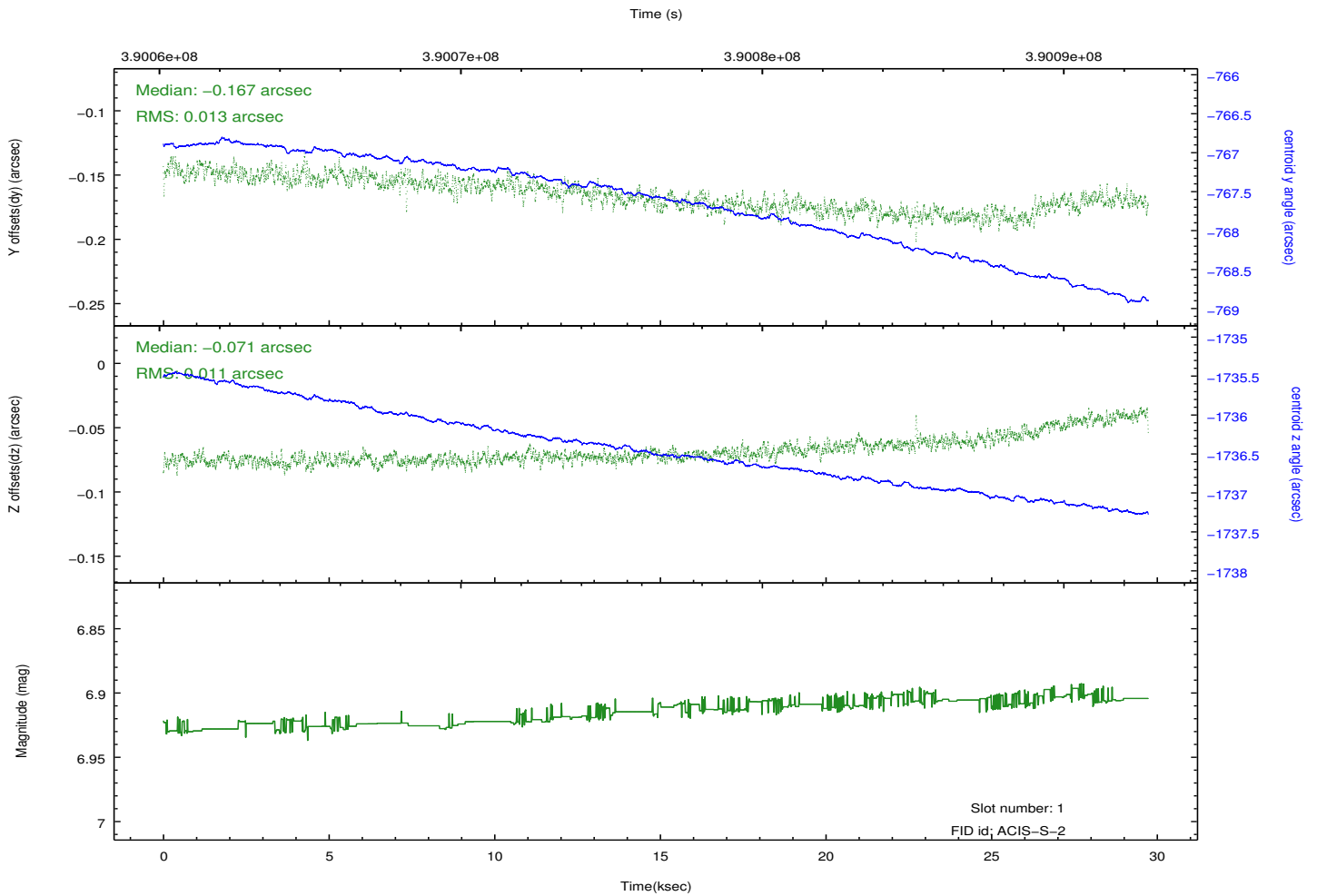
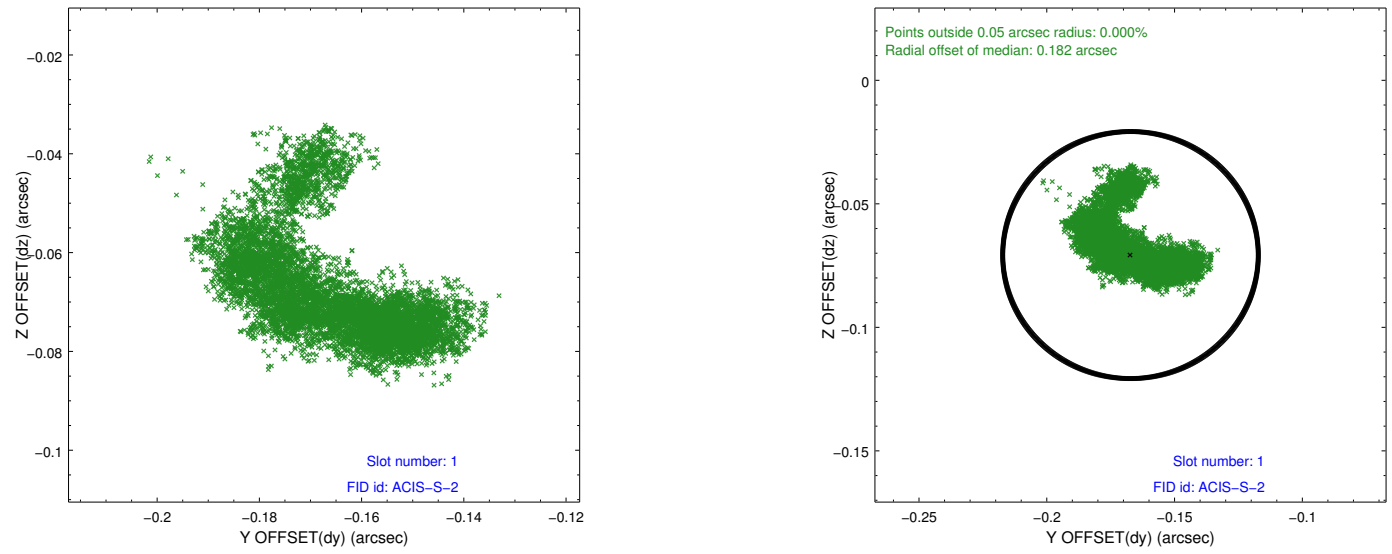


2.5 FID Slots

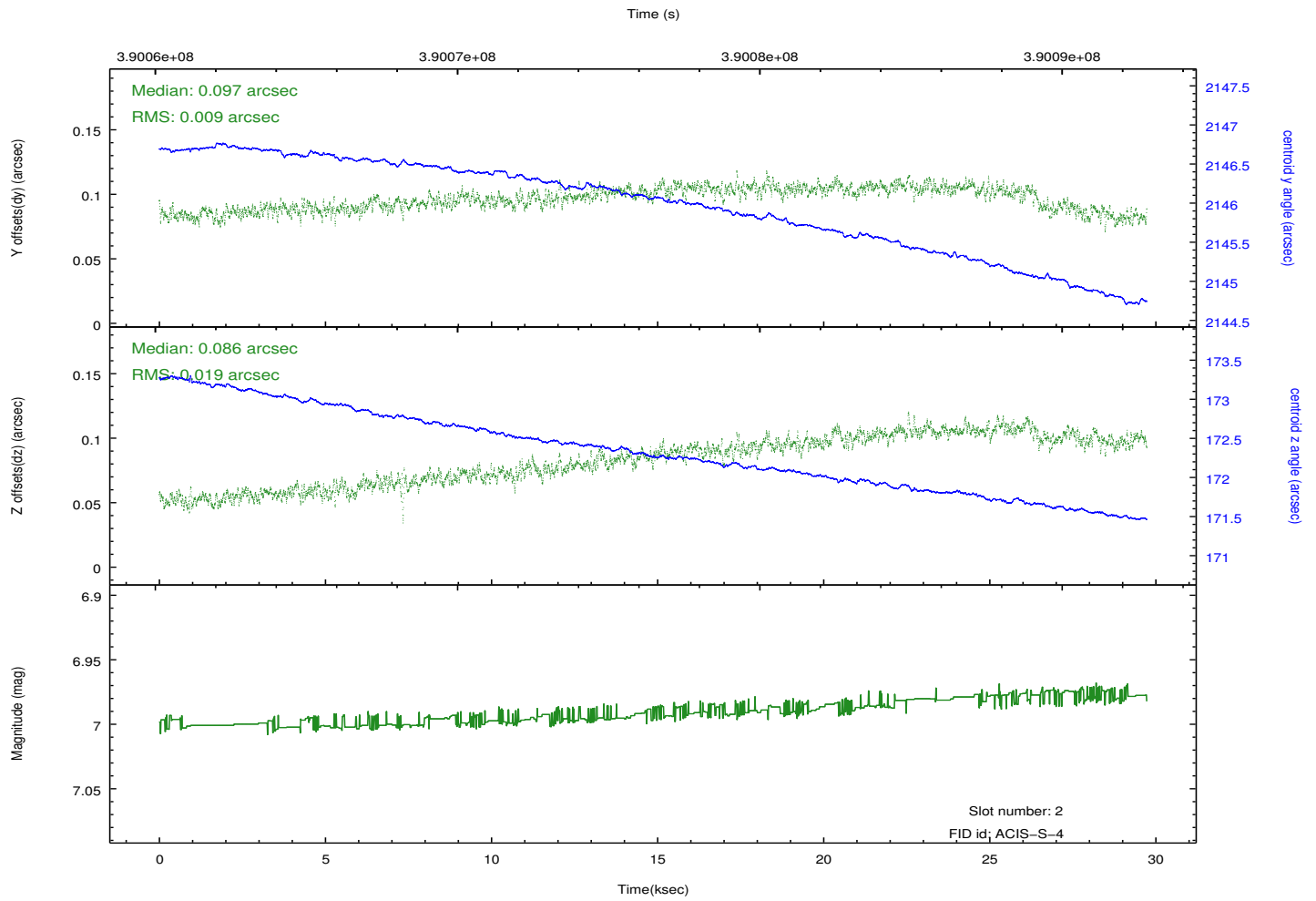
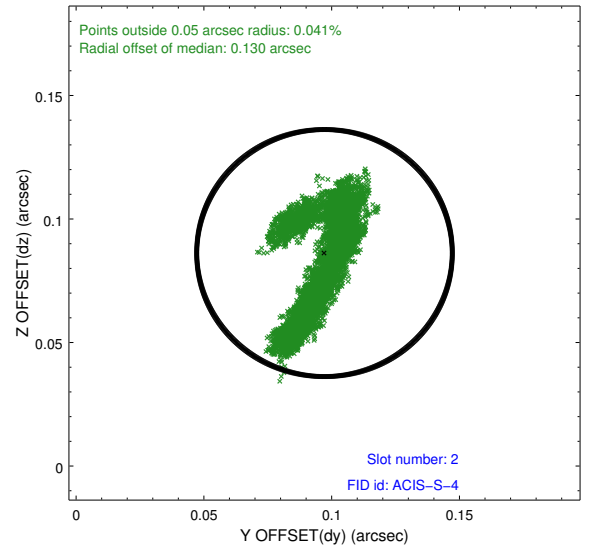
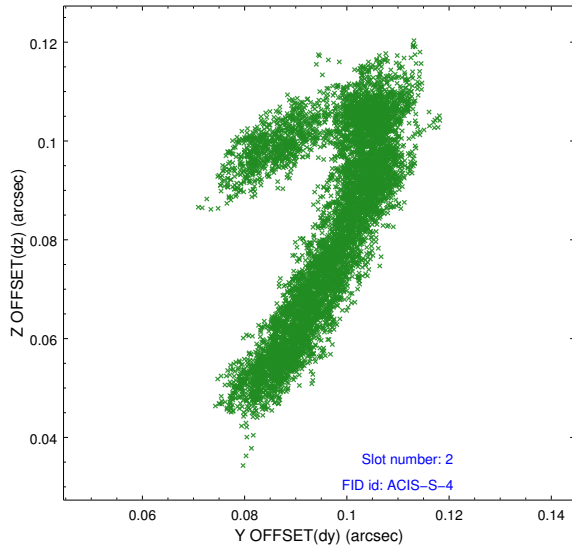
2.5.1 Slot 0



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	29.732100228667

A.2 Comments