

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12200 - L2 Version 2
Chandra X-Ray Center

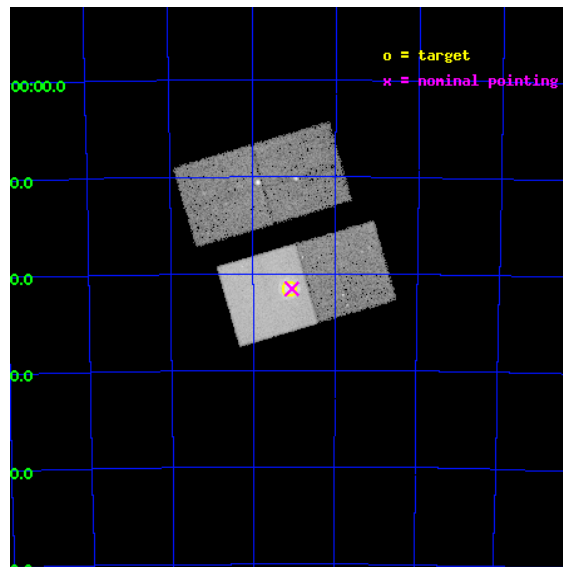
L2 Processing Date : Jun 24 2012

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1 Front

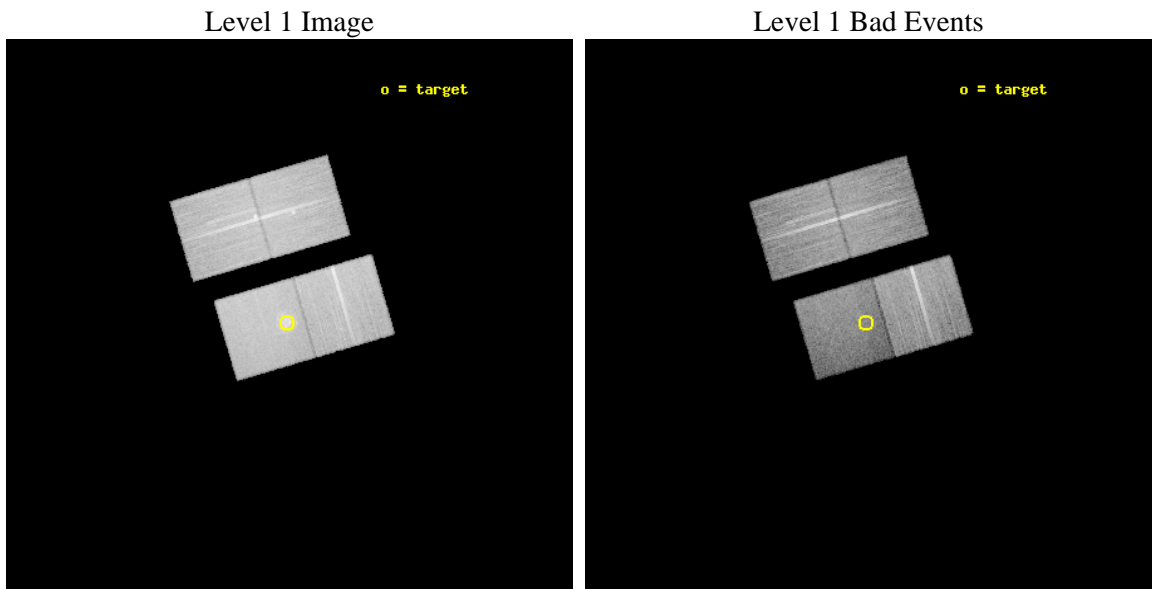
seq_num	501185	Sequence number
obs_id	12200	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.762872453494	Nominal RA [deg]
dec_nom	-73.359627991252	Nominal Dec [deg]
roll_nom	163.64101043037	Nominal Roll [deg]
revision	2	Processing version of data
ontime	27087.80020833	Sum of GTIs [s]
livetime	26733.87815686	Livetime [s]
ontime2	27087.80020833	Sum of GTIs [s]
ontime3	27081.518287599	Sum of GTIs [s]
ontime6	27087.80020833	Sum of GTIs [s]
ontime7	27087.80020833	Sum of GTIs [s]
l2events	154625	Number of level 2 events



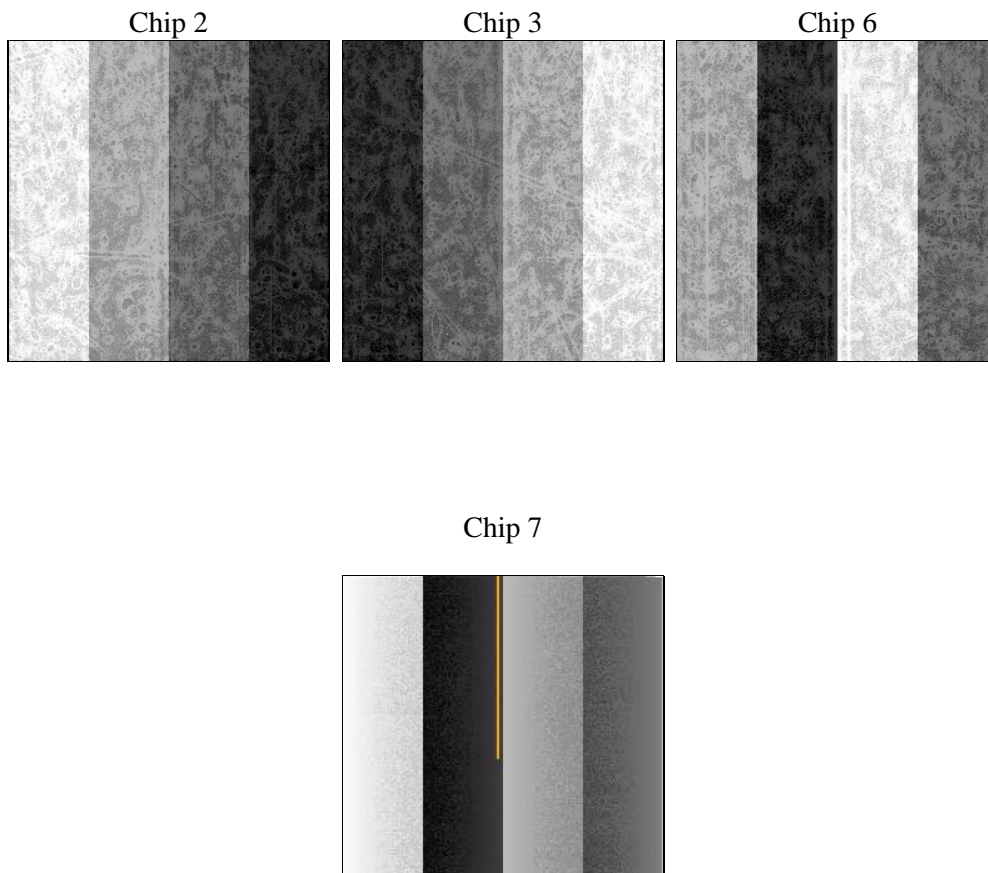
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	27000.641000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	27087.80020833	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	27087.80020833	Sum of GTIs [s]
date	2012-06-24T21:09:09	Date and time of file creation	ontime3	27081.518287599	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	27087.80020833	Sum of GTIs [s]
			ontime7	27087.80020833	Sum of GTIs [s]
			l1events	772332	Number of level 1 events

2.1.4 Events

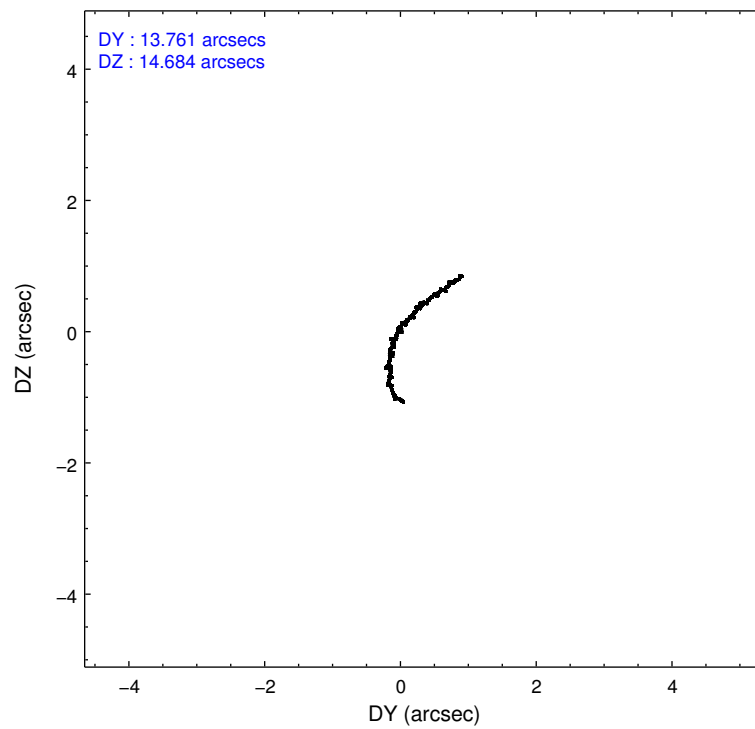
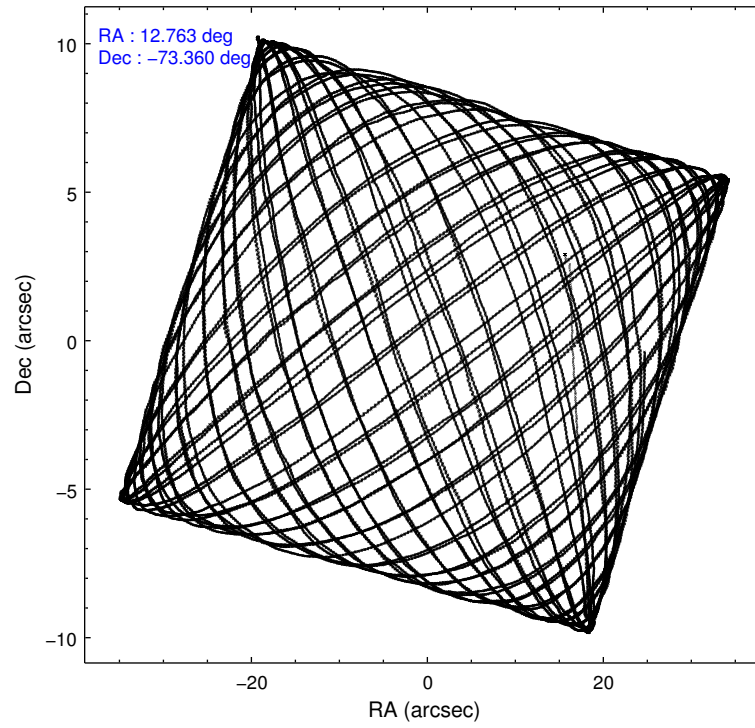
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	188416	187766	192847	203303
rejected events	167494	167649	171282	99094
rejected %	88%	89%	88%	48%

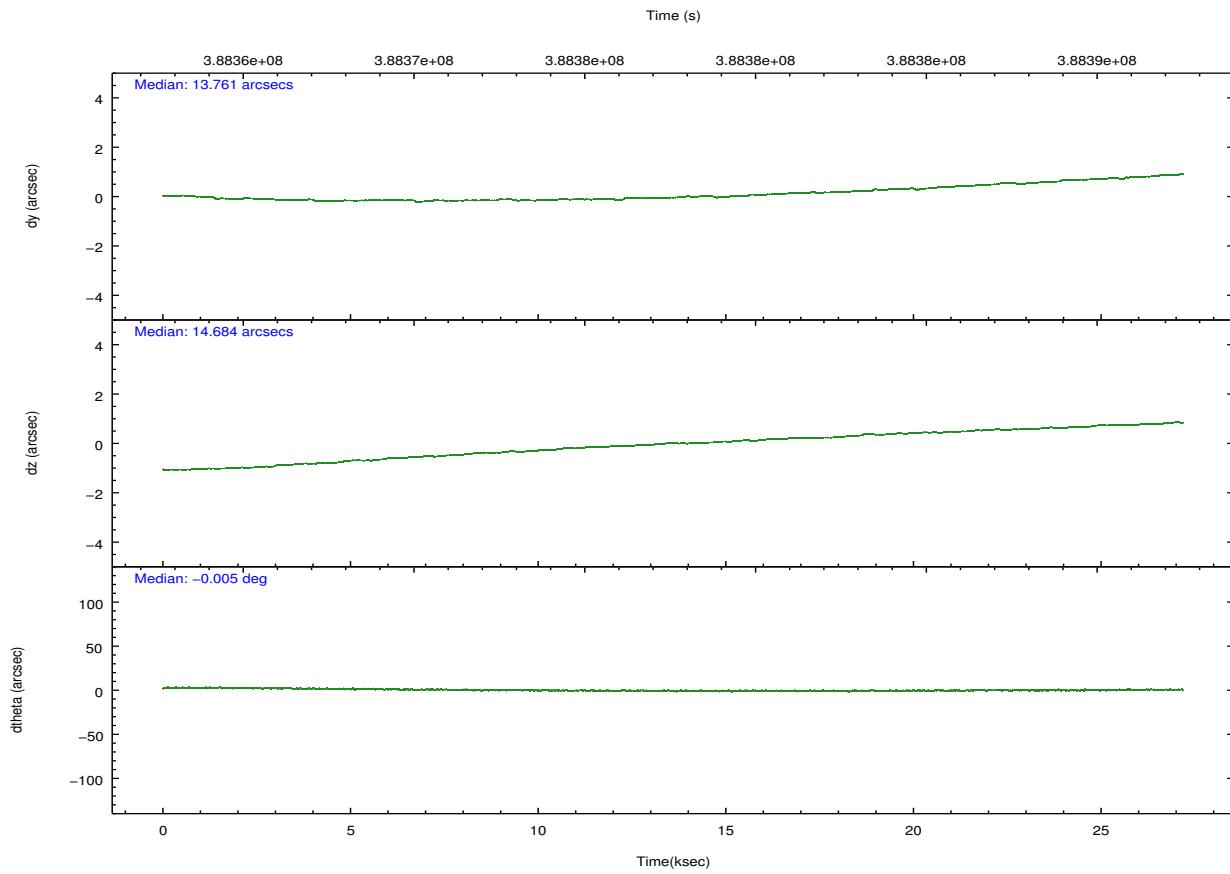
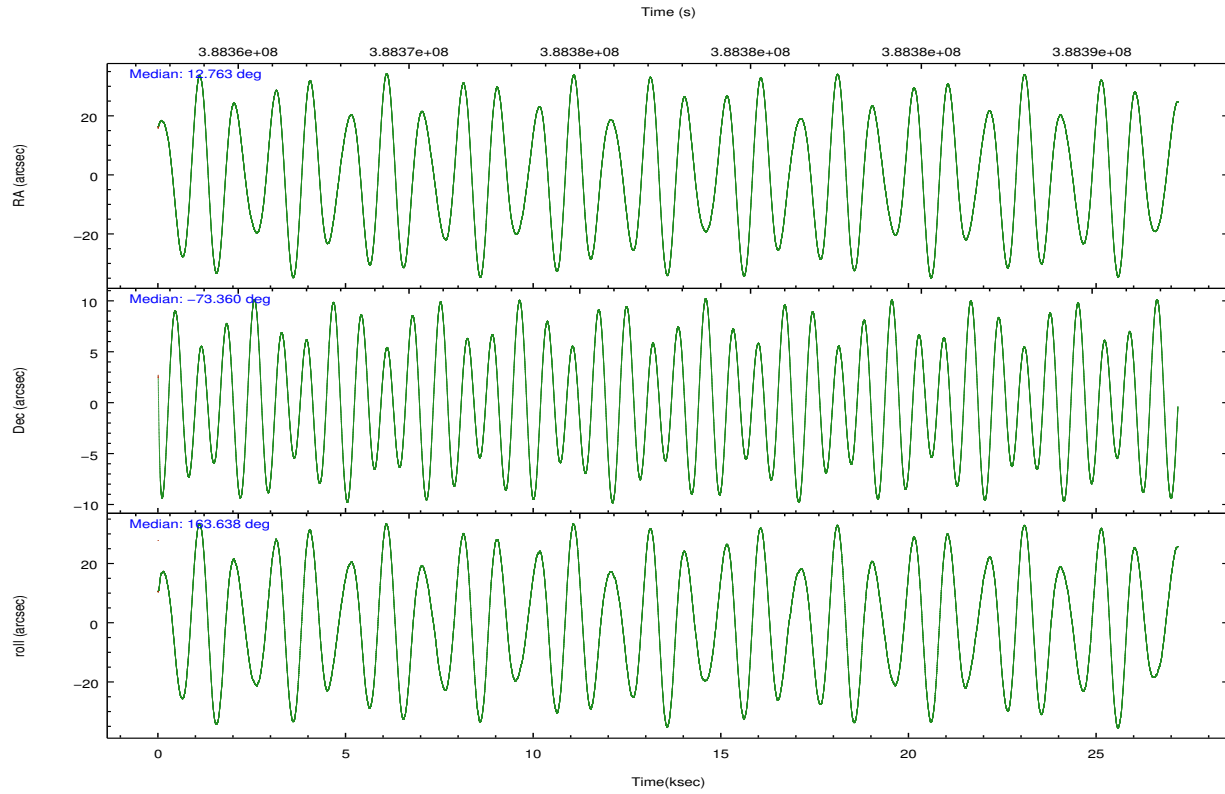
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	8100	8190	8208	12894
	4%	4%	4%	6%
grade 1 events	101	120	112	239
	0%	0%	0%	0%
grade 2 events	4962	4309	4810	22566
	2%	2%	2%	11%
grade 3 events	2096	1990	2160	10066
	1%	1%	1%	4%
grade 4 events	2132	2117	2137	9958
	1%	1%	1%	4%
grade 5 events	6062	6950	7284	21083
	3%	3%	3%	10%
grade 6 events	3636	3514	4257	48760
	1%	1%	2%	23%
grade 7 events	161327	160576	163879	77737
	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	12.855270	12.7628724534938	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.352780	-73.35962799125225	Alternating exposures requested	N	N
[deg] Pointing Roll	163.572916	163.6410104303745	[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)	388364179.184000	388363144.78966			
Observation start date	2010-04-22T22:55:13	2010-04-22T22:39:04			
[s] Observation end time (MET)	388391180.184000	388391392.7661			
Observation end date	2010-04-23T06:25:14	2010-04-23T06:29:52			
Read mode	TIMED	TIMED			

2.3 Aspect



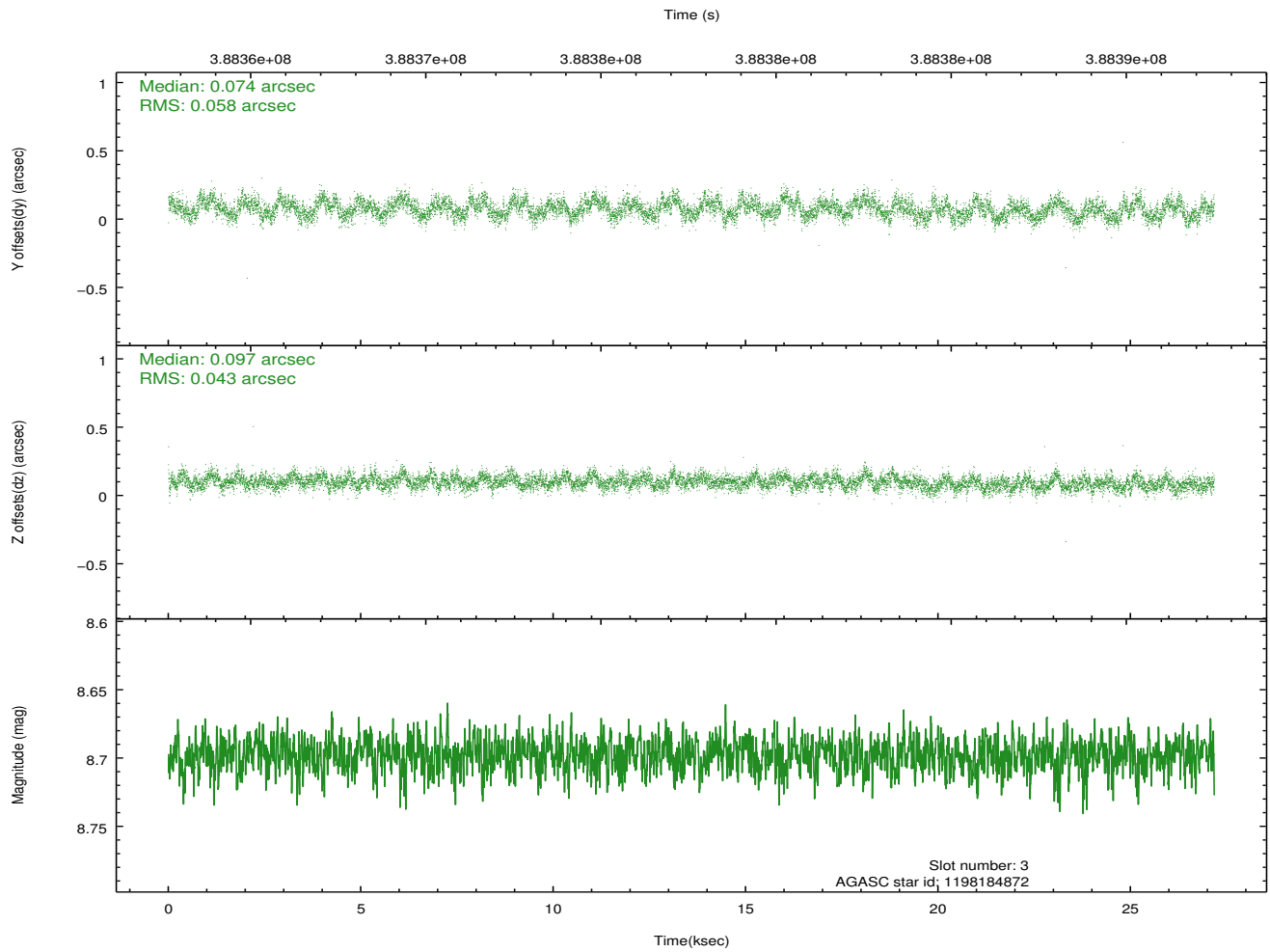
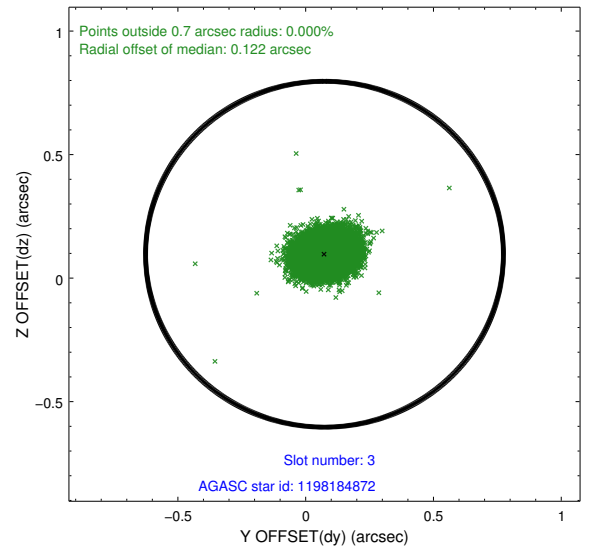
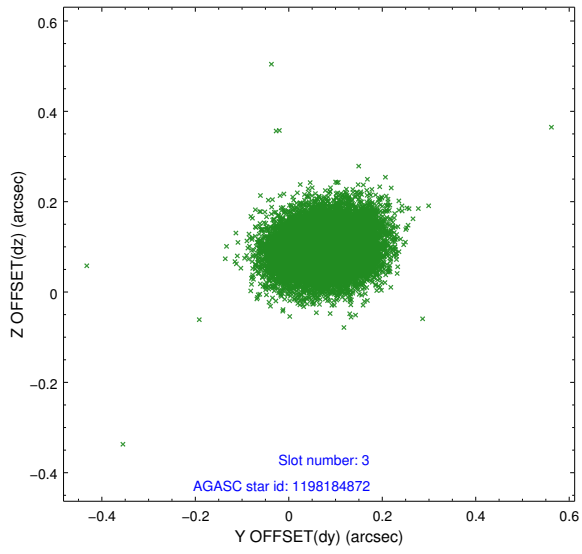


Slot Statistics

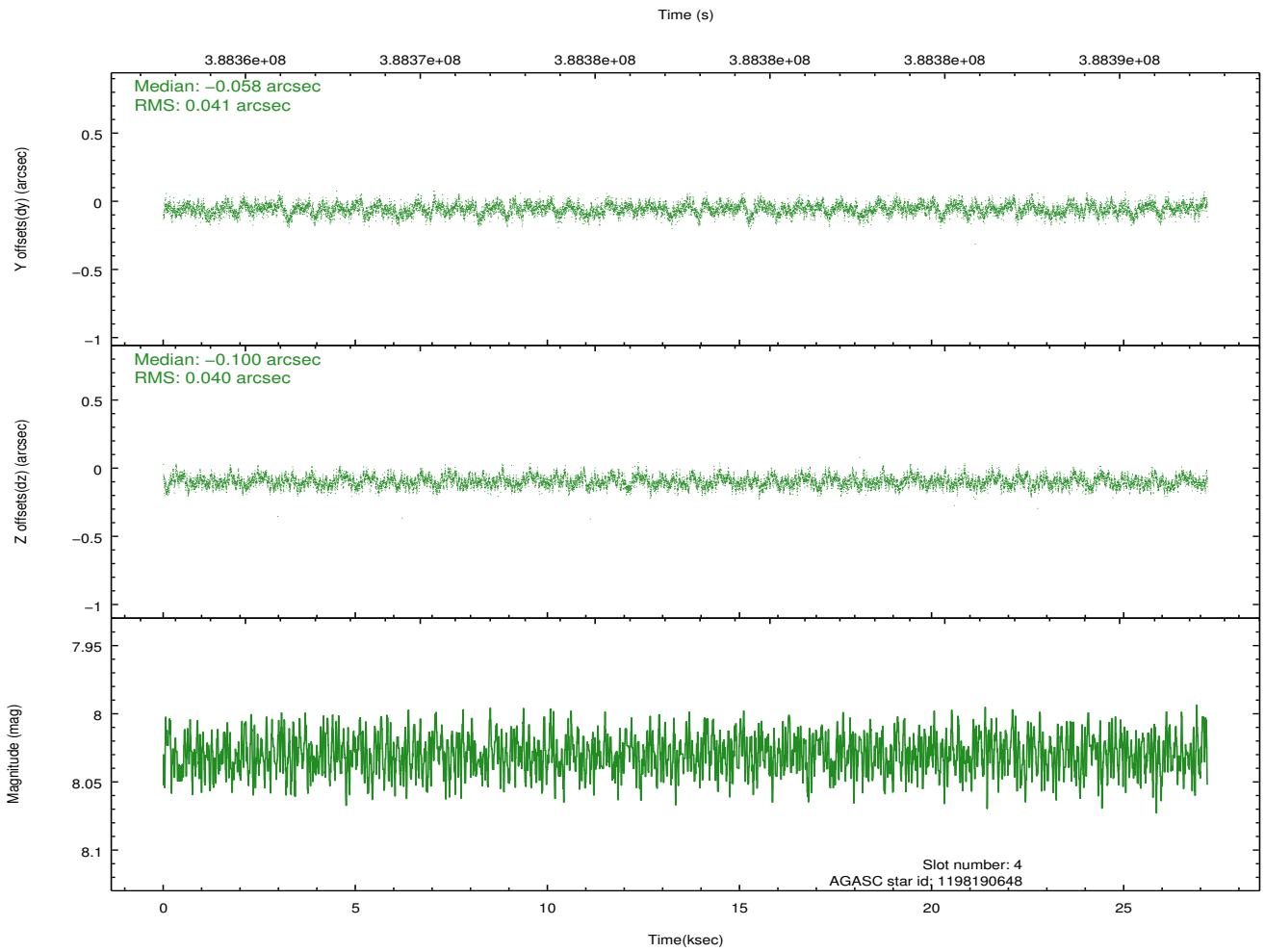
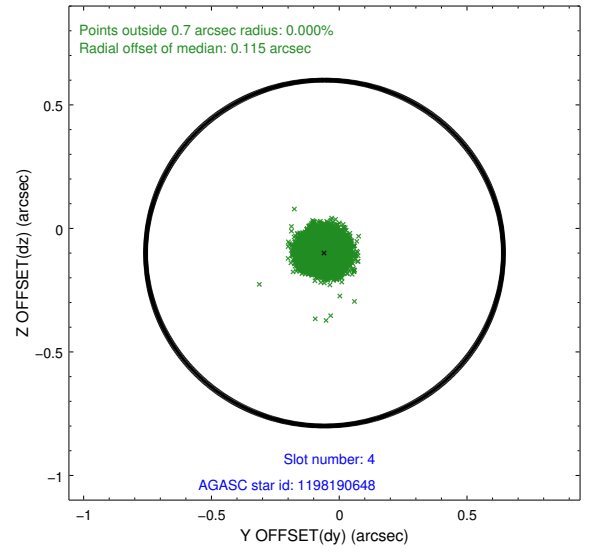
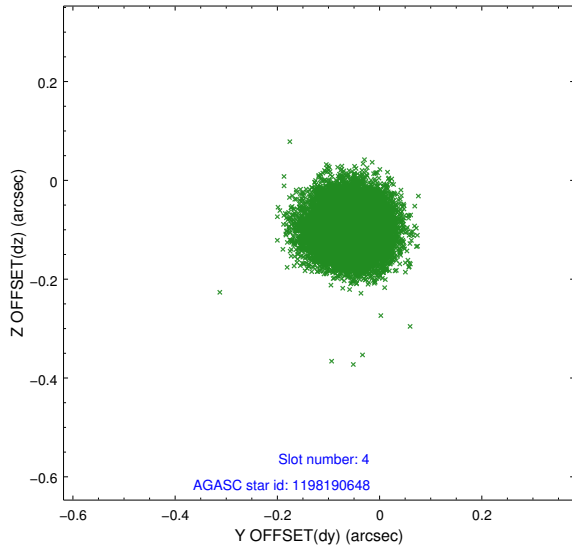
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	6628	-0.063	-0.049	0.023	0.032	0.000000	0.000000	-766.88	-1736.04
1	FID	ACIS-S-4	7.05	6628	0.201	0.043	0.018	0.028	0.000000	0.000000	2146.60	172.46
2	FID	ACIS-S-5	7.07	6627	-0.166	0.014	0.019	0.028	0.000000	0.000000	-1819.72	166.18
3	GUIDE	1198184872	8.70	13250	0.074	0.097	0.076	0.123	10.002911	-73.761835	2317.44	2290.30
4	GUIDE	1198190648	8.03	13249	-0.058	-0.100	0.061	0.097	12.344115	-73.478663	373.40	585.09
5	GUIDE	1198190664	9.26	13223	0.176	-0.111	0.086	0.142	14.057016	-73.825958	-1641.05	1304.95
6	GUIDE	1198191400	8.40	13255	-0.214	0.205	0.097	0.152	11.617890	-72.595865	2044.88	-2223.25
7	GUIDE	1198192456	8.59	13247	0.023	-0.091	0.063	0.103	13.422921	-73.869405	-1070.91	1625.71

2.4 Star Slots

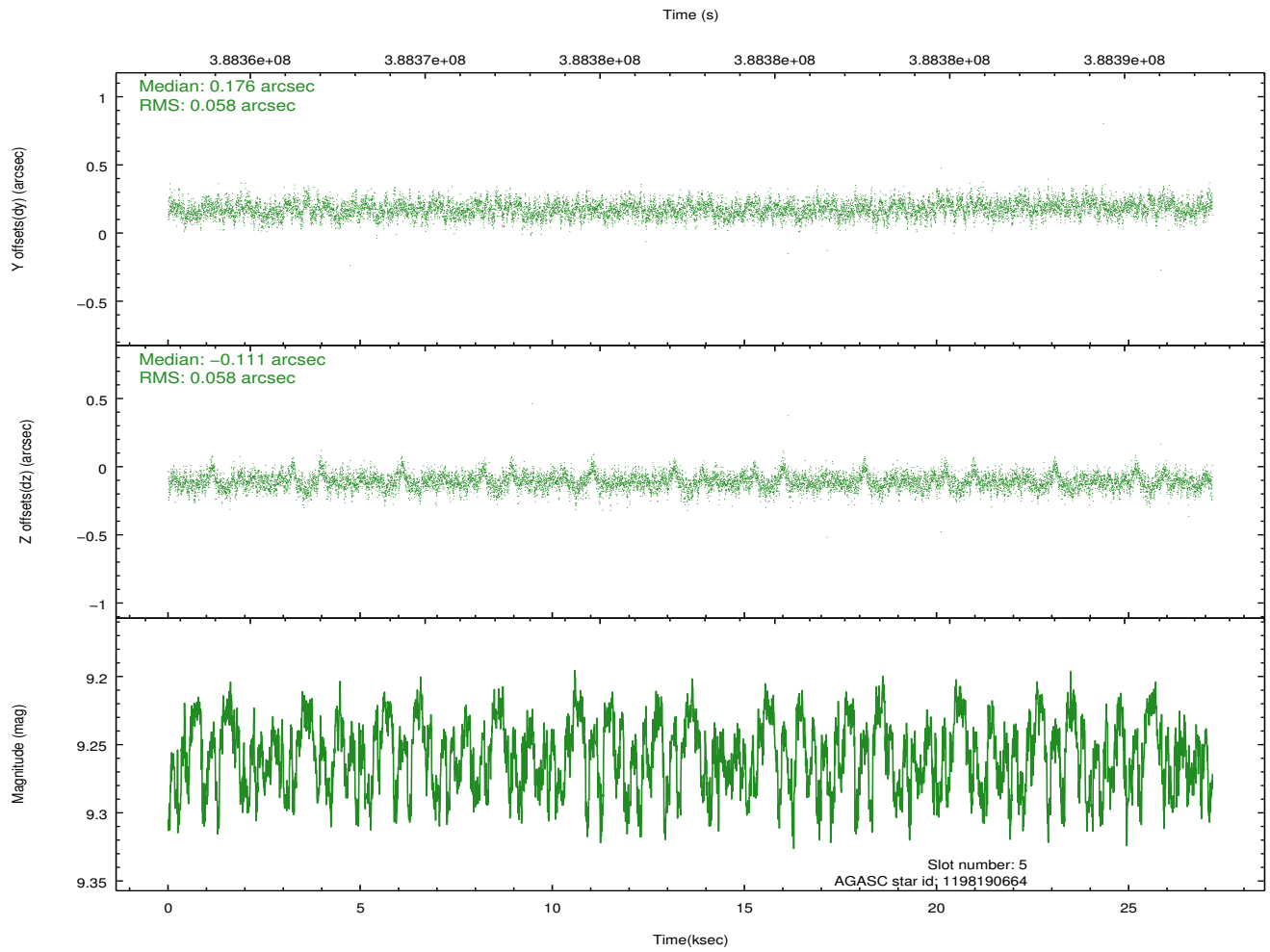
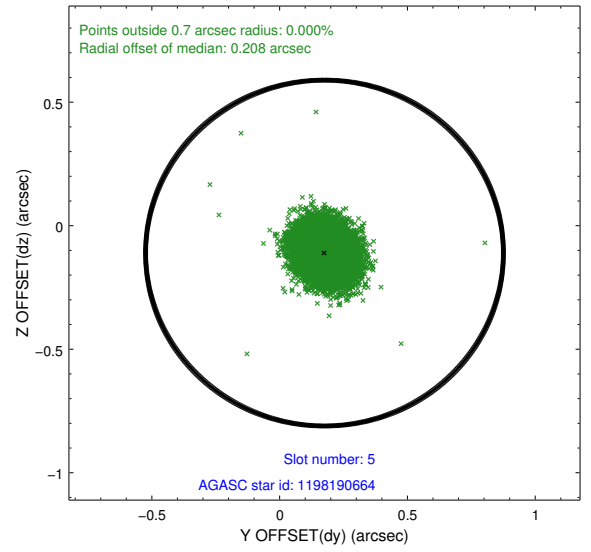
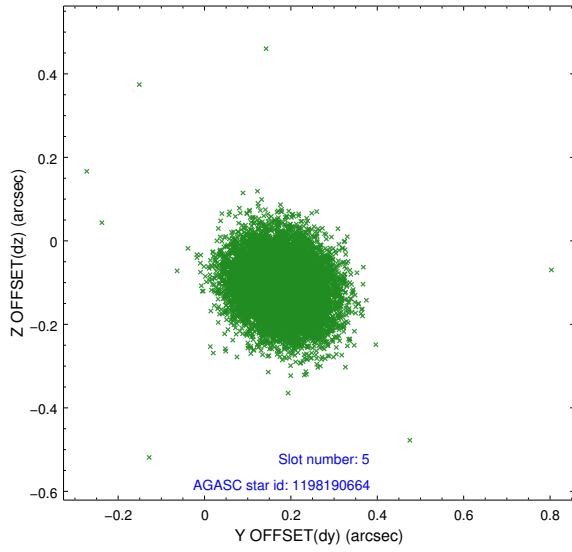
2.4.1 Slot 3



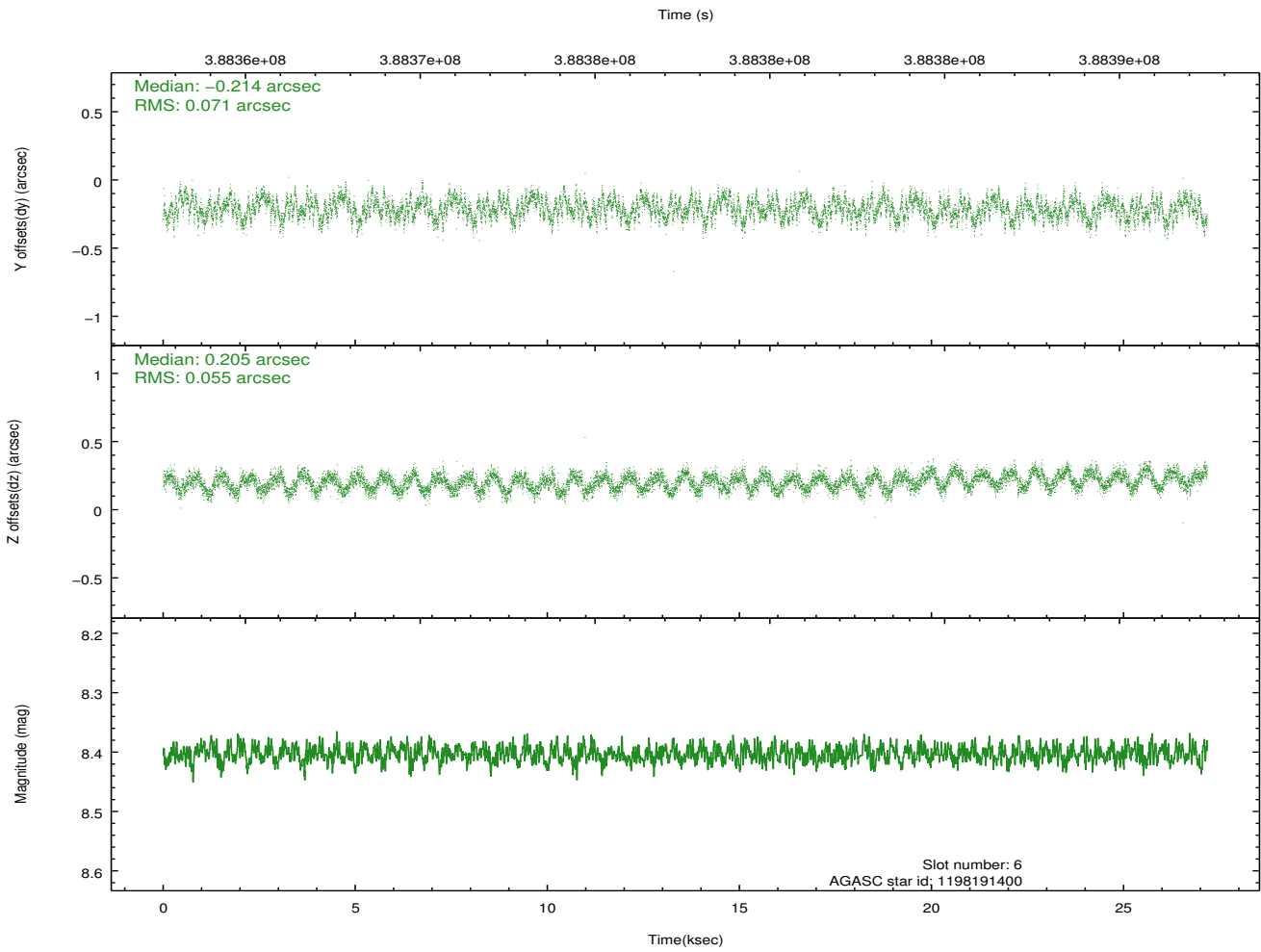
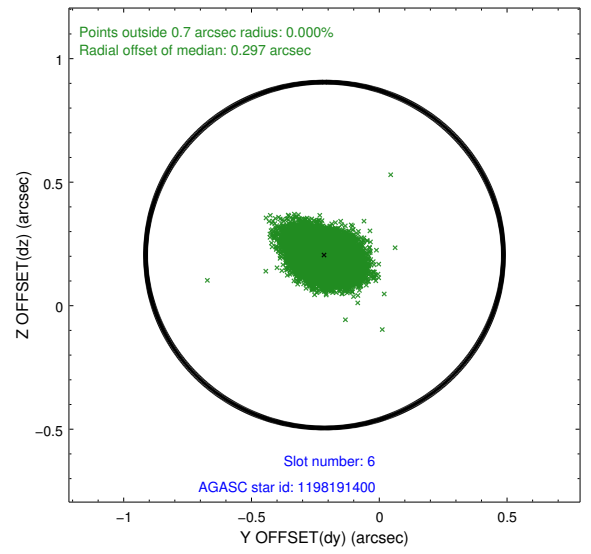
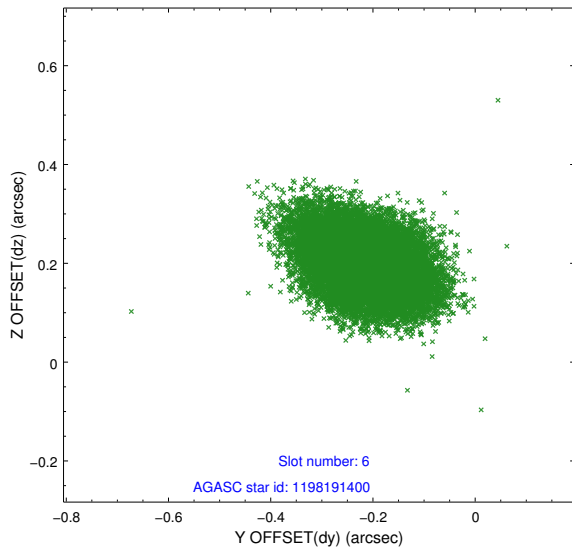
2.4.2 Slot 4



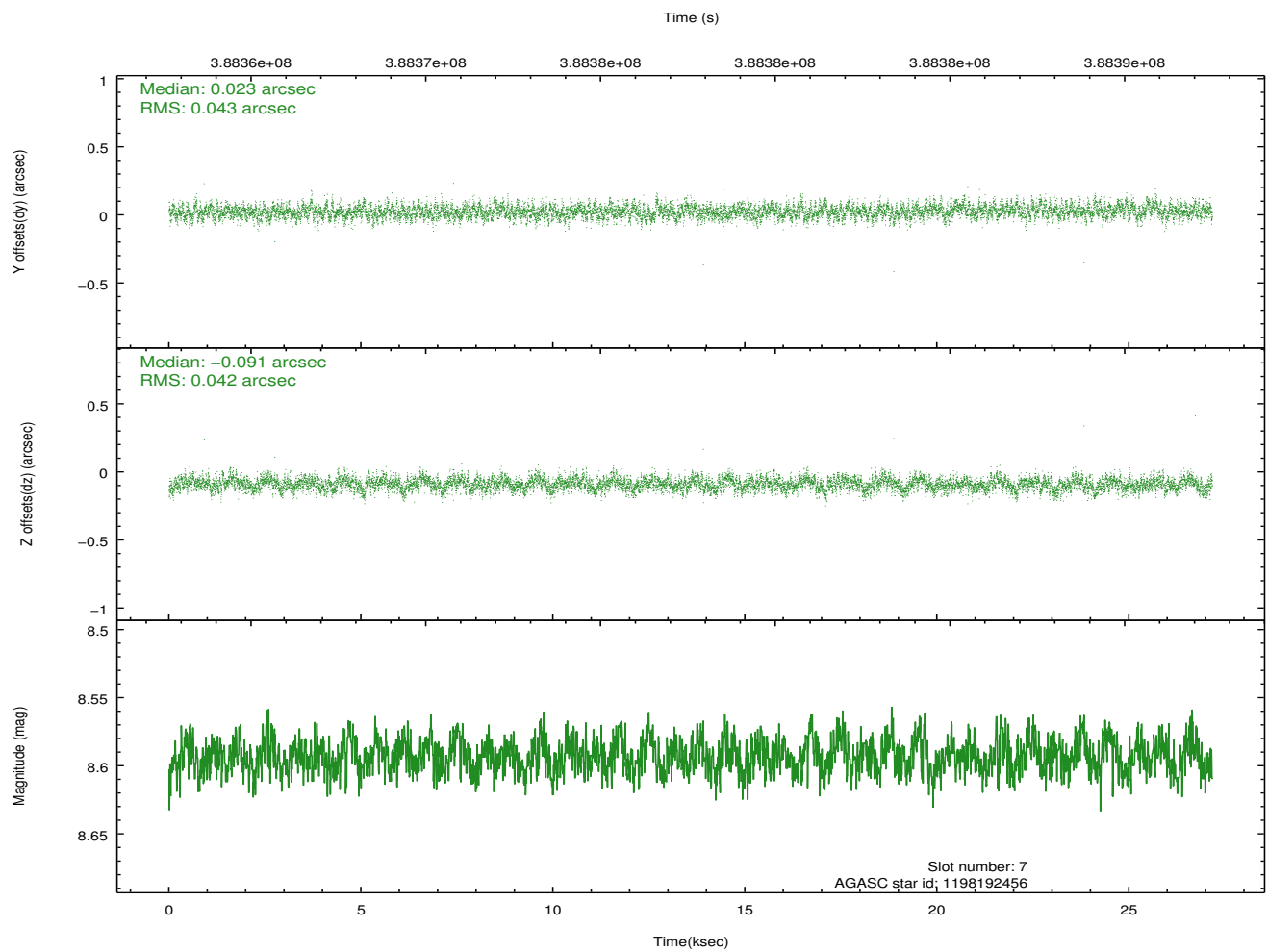
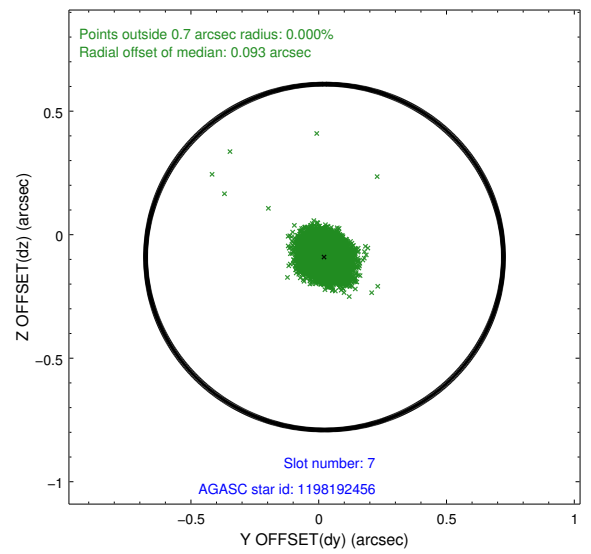
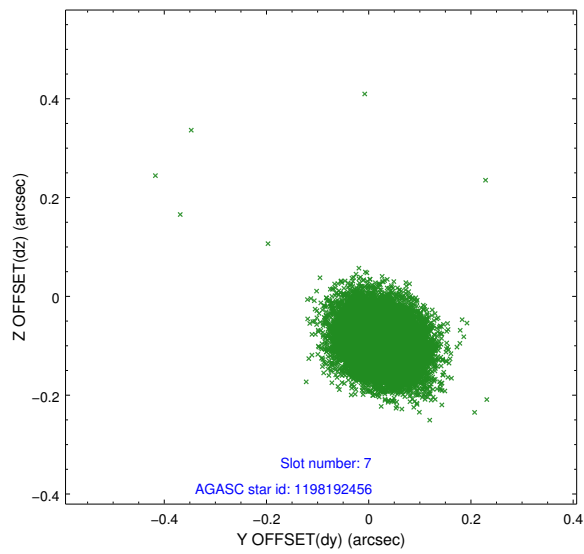
2.4.3 Slot 5



2.4.4 Slot 6

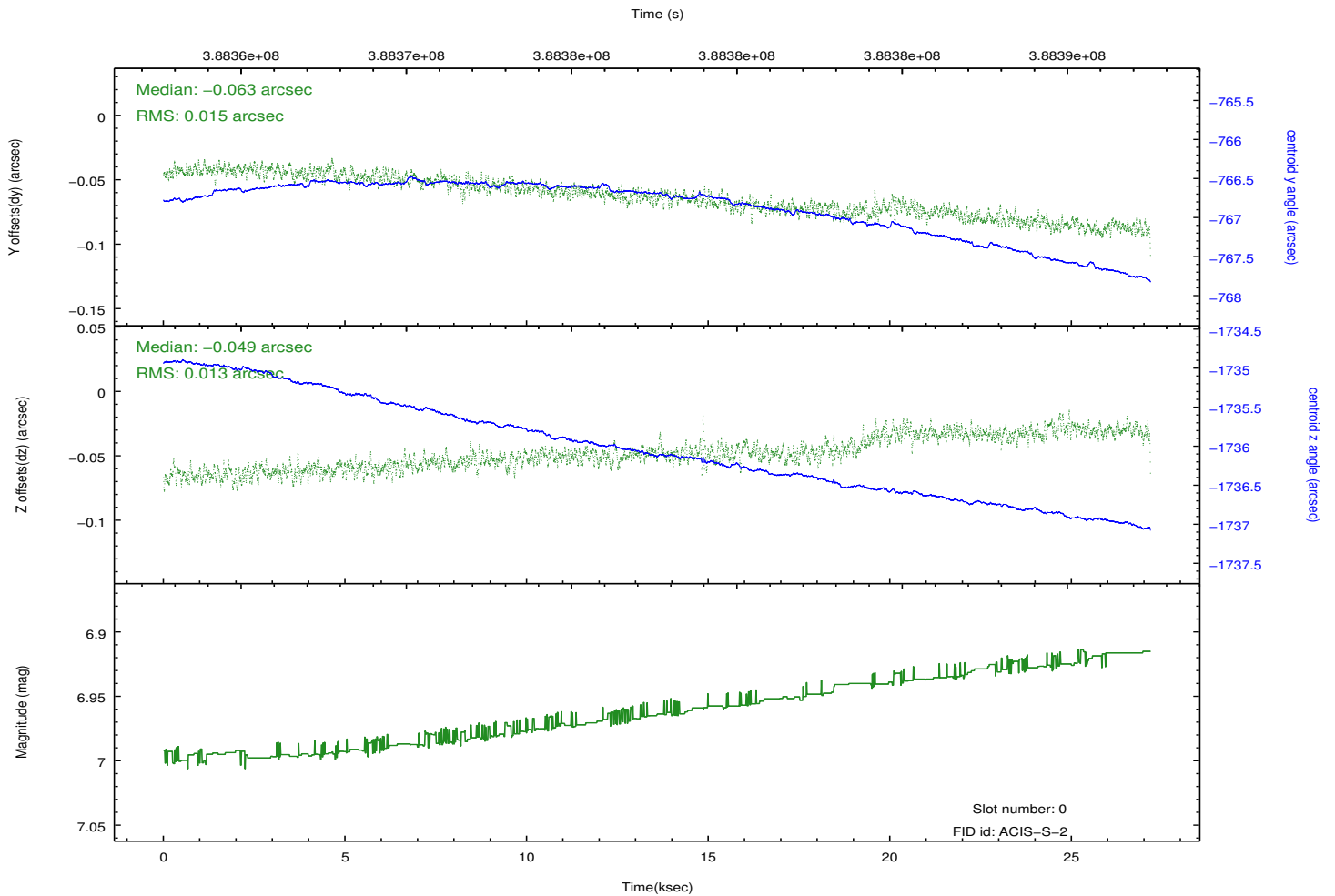
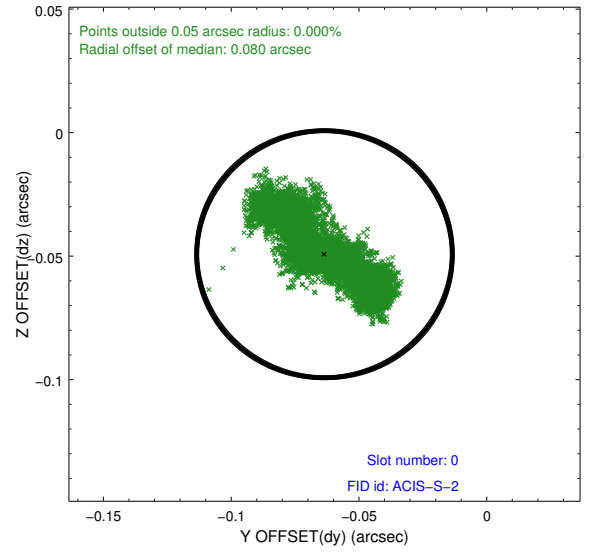
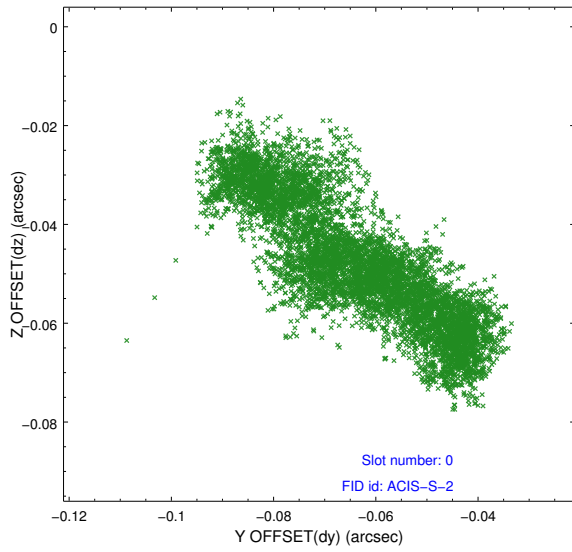


2.4.5 Slot 7

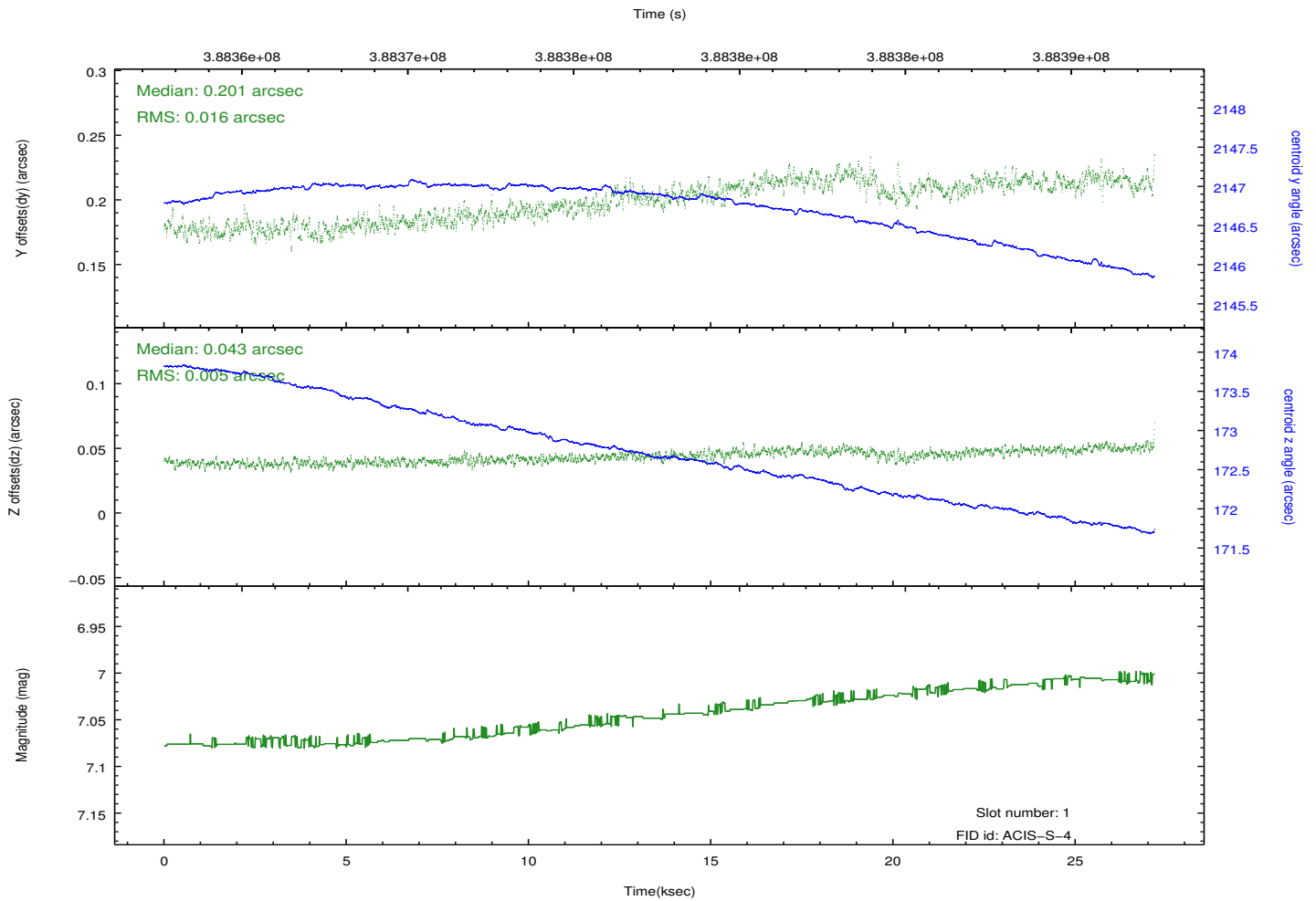
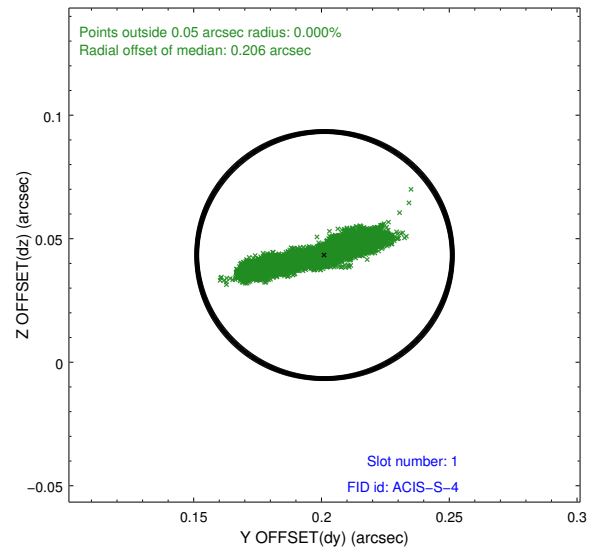
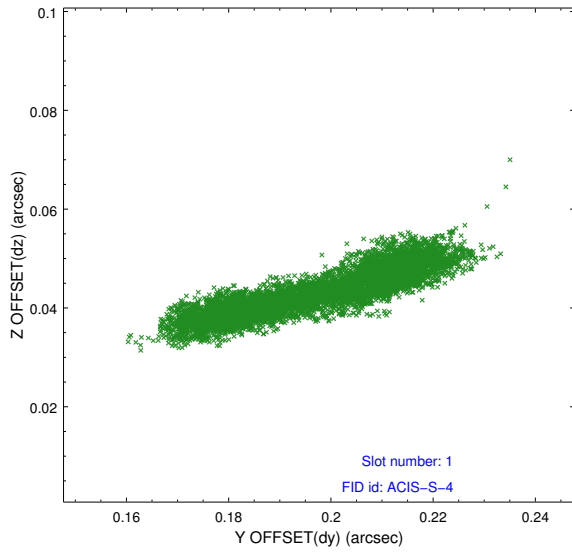


2.5 FID Slots

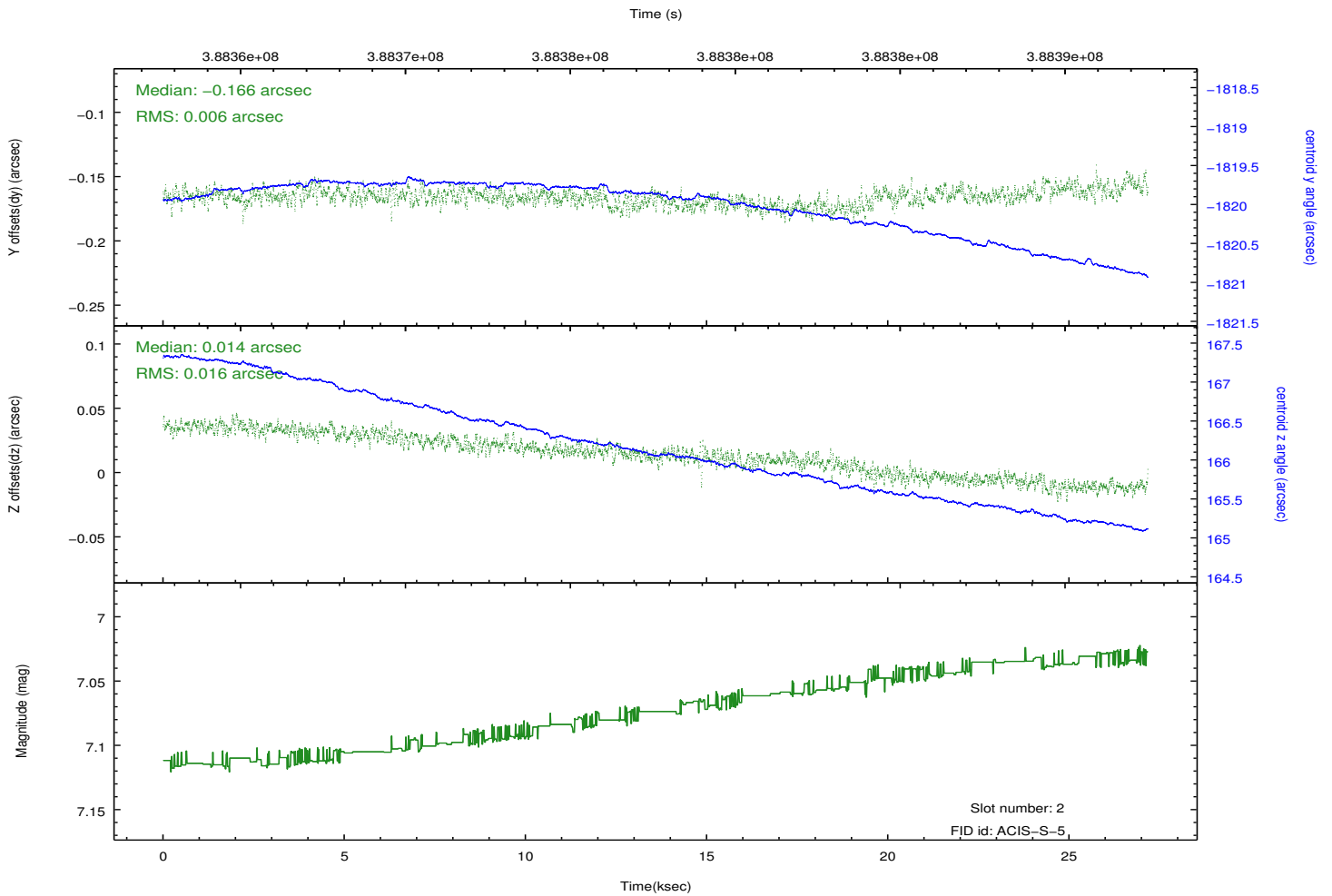
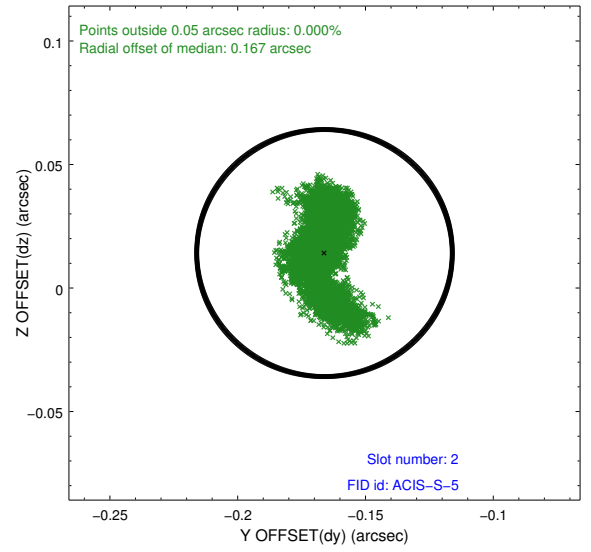
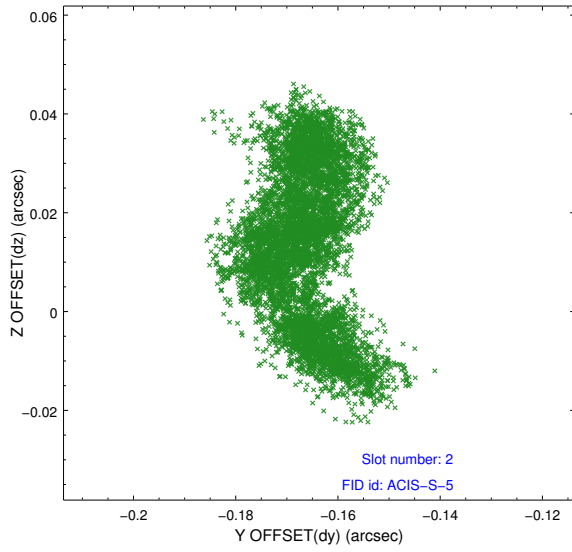
2.5.1 Slot 0



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)	2012.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	27.08780020833

A.2 Comments