

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11981 - L2 Version 2
Chandra X-Ray Center

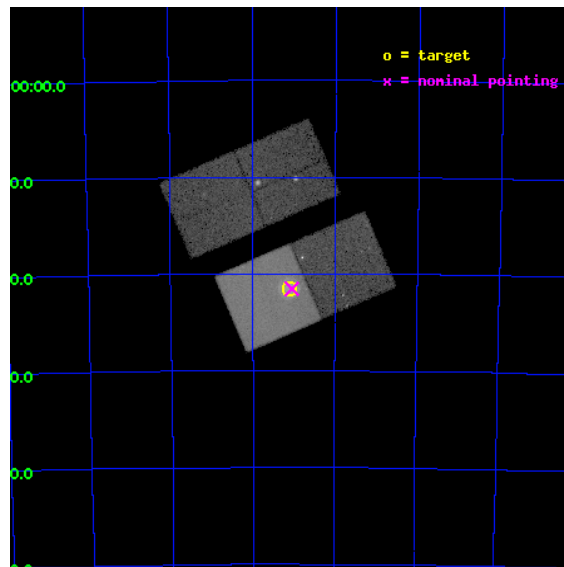
L2 Processing Date : Jun 25 2012

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1 Front

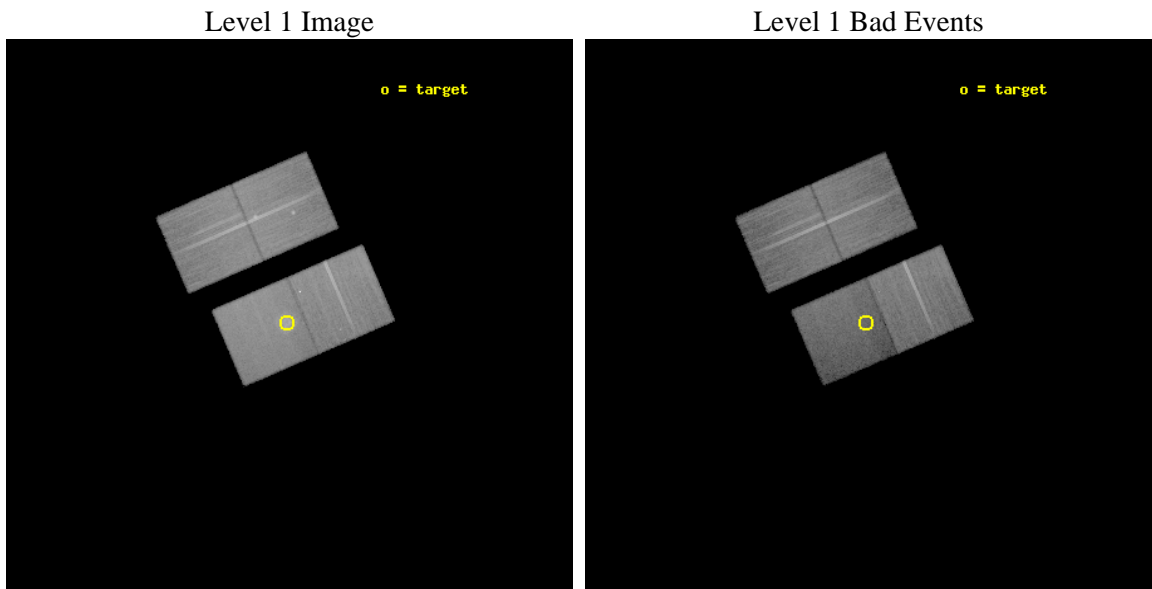
seq_num	501185	Sequence number
obs_id	11981	Observation id
title	A Detailed Study of the Aged O-Rich Supernova Remnant 0049-73.6	Pr
observer	DR. Sangwook Park	Principal investigator
object	SNR 0049-73.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.779167	Observer's specified target RA [deg]
dec_targ	-73.358333	Observer's specified target Dec [deg]
ra_nom	12.762444659202	Nominal RA [deg]
dec_nom	-73.359019245622	Nominal Dec [deg]
roll_nom	156.6406015917	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34047.300261855	Sum of GTIs [s]
livetime	33602.447218676	Livetime [s]
ontime2	34044.159291446	Sum of GTIs [s]
ontime3	34041.018301308	Sum of GTIs [s]
ontime6	34041.018351078	Sum of GTIs [s]
ontime7	34047.300261855	Sum of GTIs [s]
l2events	200015	Number of level 2 events



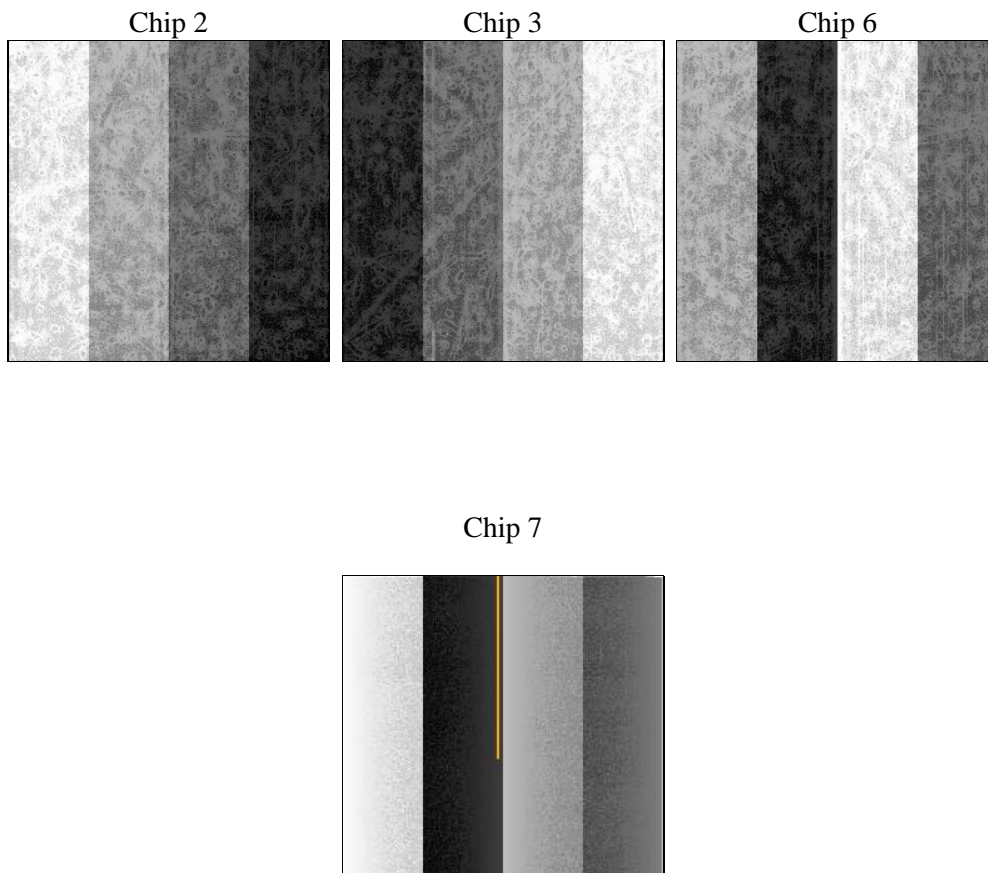
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	34047.300261855	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	34044.159291446	Sum of GTIs [s]
date	2012-06-25T10:33:54	Date and time of file creation	ontime3	34041.018301308	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	34041.018351078	Sum of GTIs [s]
			ontime7	34047.300261855	Sum of GTIs [s]
			l1events	1002762	Number of level 1 events

2.1.4 Events

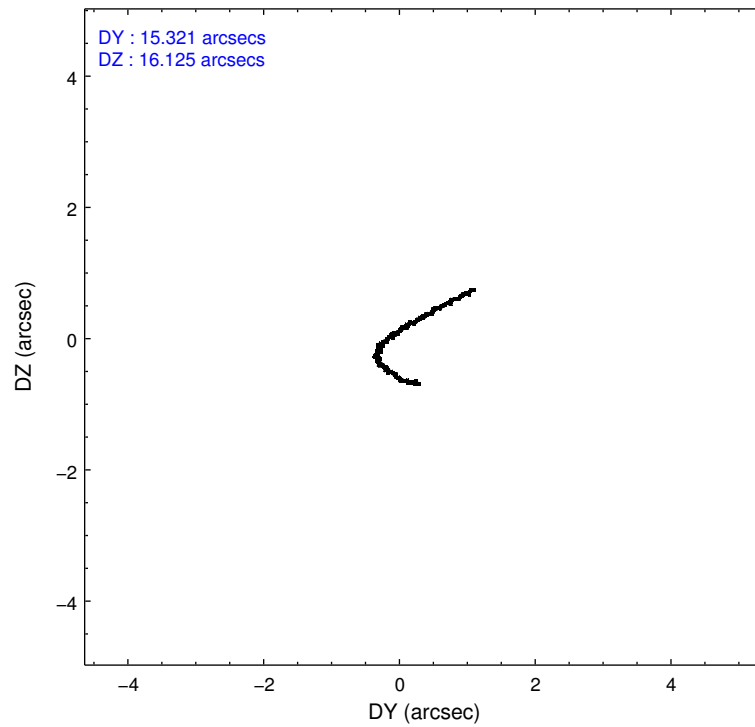
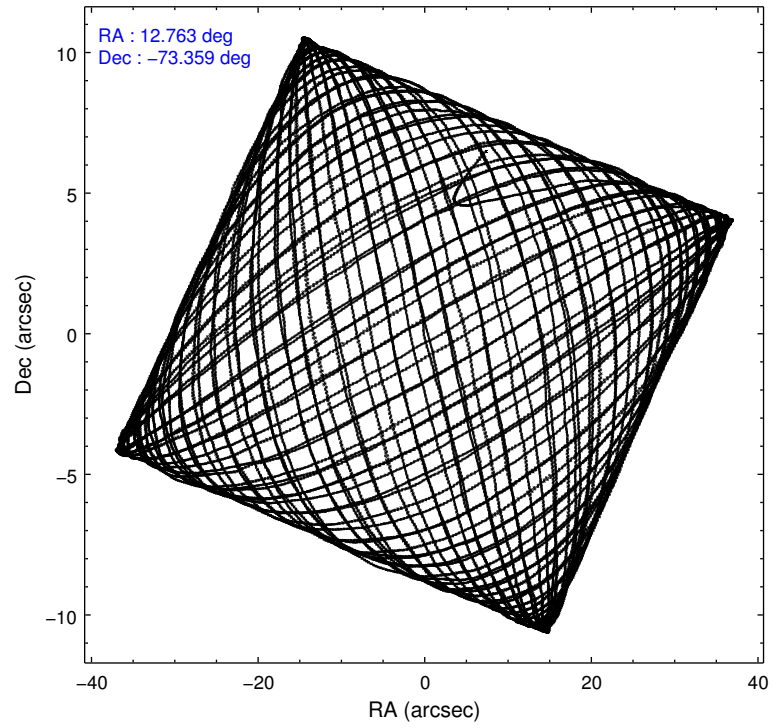
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	249969	235264	258346	259183
rejected events	222033	211418	227014	127025
rejected %	88%	89%	87%	49%

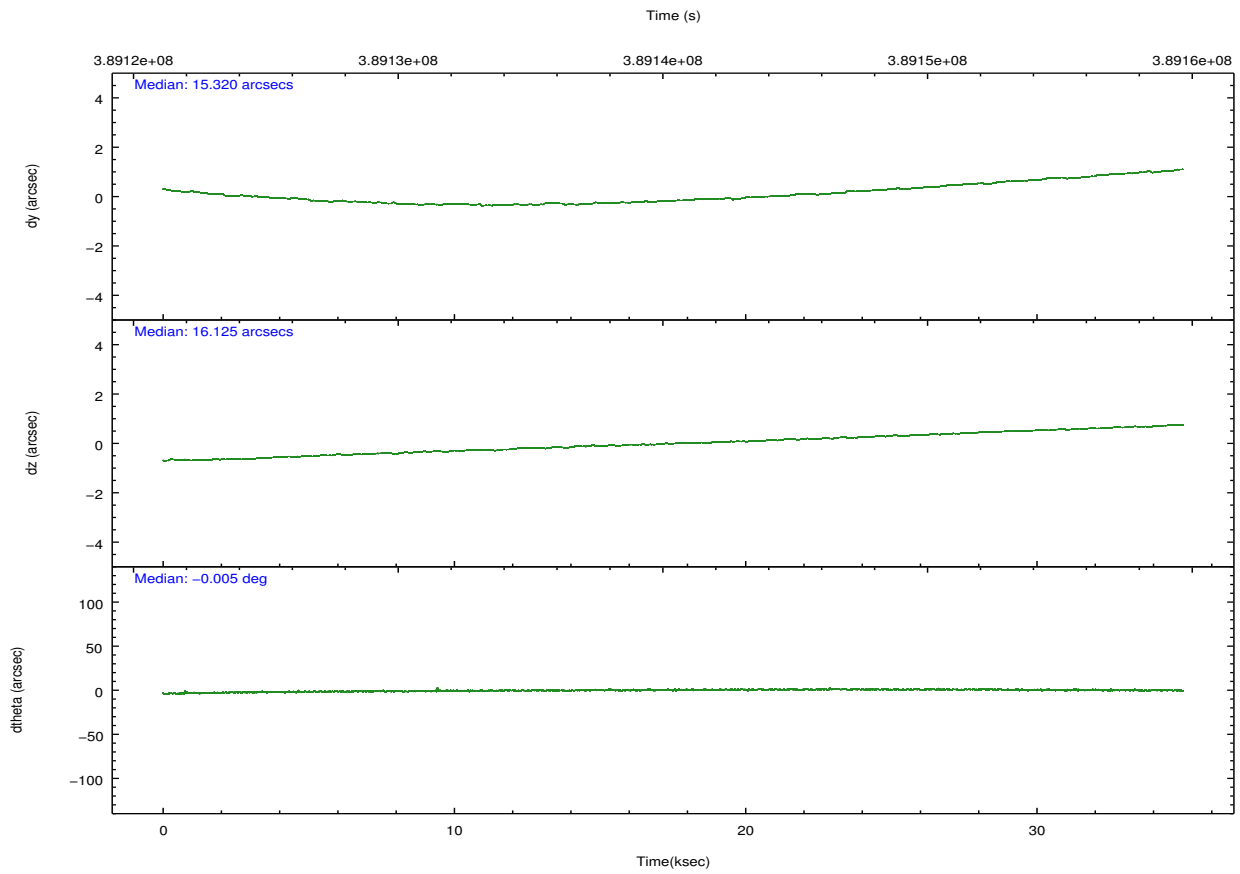
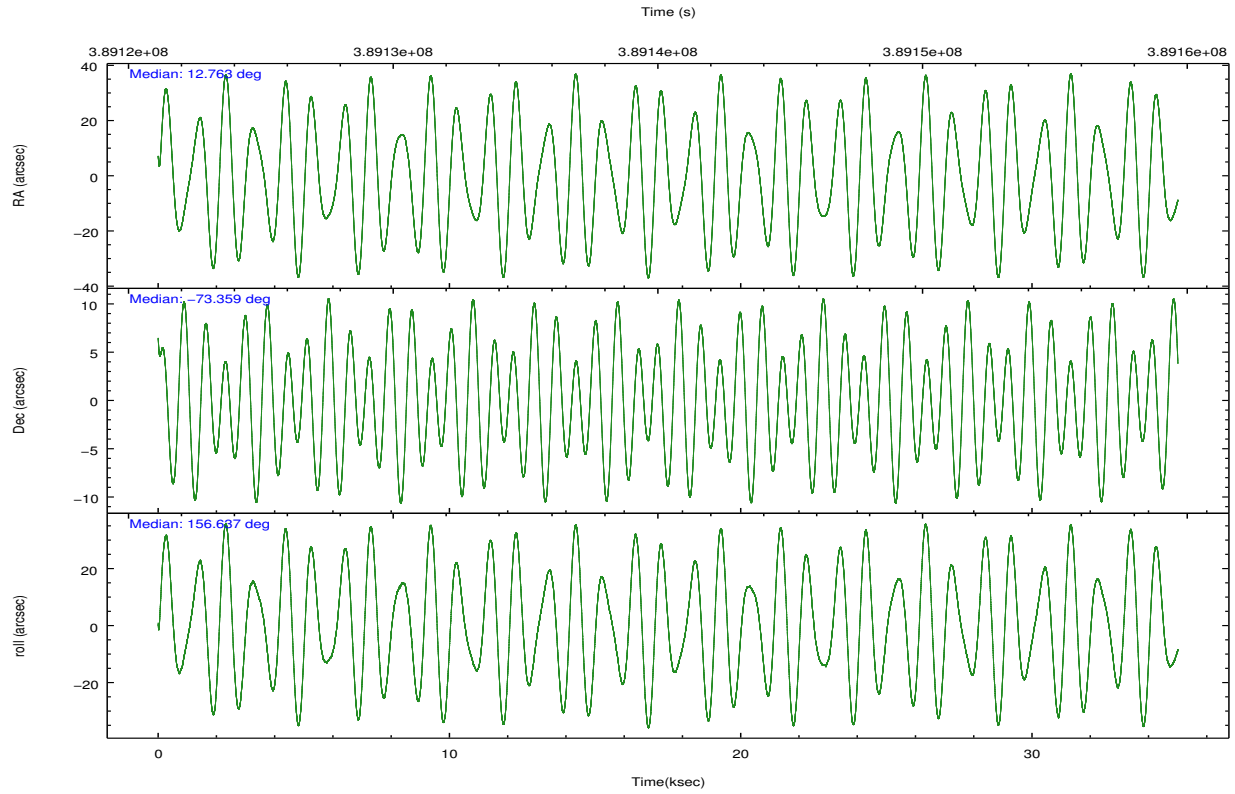
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11631	8889	13039	16467
	4%	3%	5%	6%
grade 1 events	161	161	190	382
	0%	0%	0%	0%
grade 2 events	6265	5132	6633	28748
	2%	2%	2%	11%
grade 3 events	2730	2716	2989	12362
	1%	1%	1%	4%
grade 4 events	2751	2563	2980	12183
	1%	1%	1%	4%
grade 5 events	7485	8977	9356	26699
	2%	3%	3%	10%
grade 6 events	4564	4551	5695	62428
	1%	1%	2%	24%
grade 7 events	214382	202275	217464	99914
	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	12.857079	12.76244465920206	Subarray requested	NONE	NONE
[deg] Pointing Dec	-73.355482	-73.35901924562248	Alternating exposures requested	N	N
[deg] Pointing Roll	156.574643	156.6406015916979	[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)	389123891.184000	389122011.77823			
Observation start date	2010-05-01T17:57:05	2010-05-01T17:26:51			
[s] Observation end time (MET)	389157891.184000	389158675.5176			
Observation end date	2010-05-02T03:23:45	2010-05-02T03:37:55			
Read mode	TIMED	TIMED			

2.3 Aspect



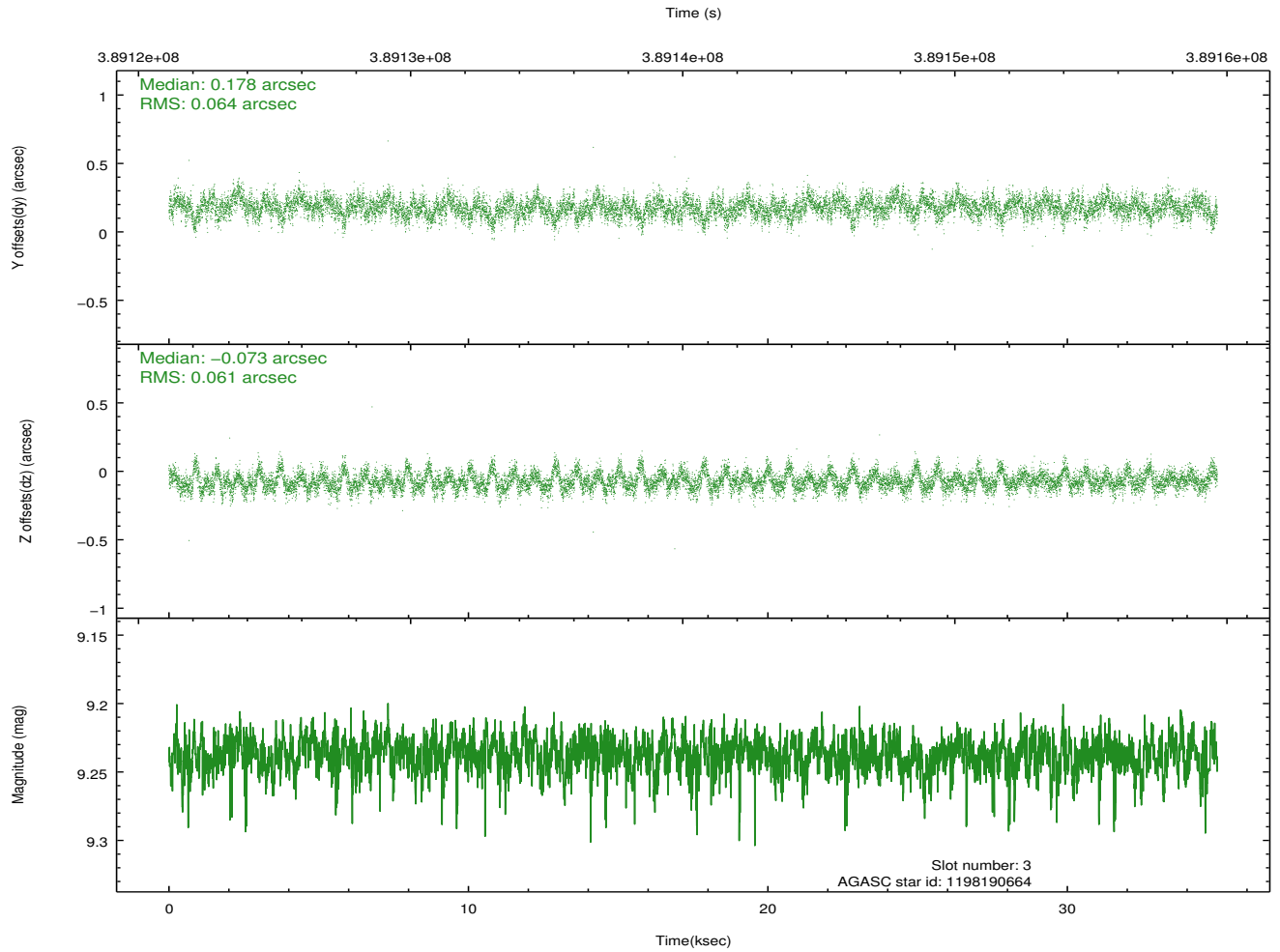
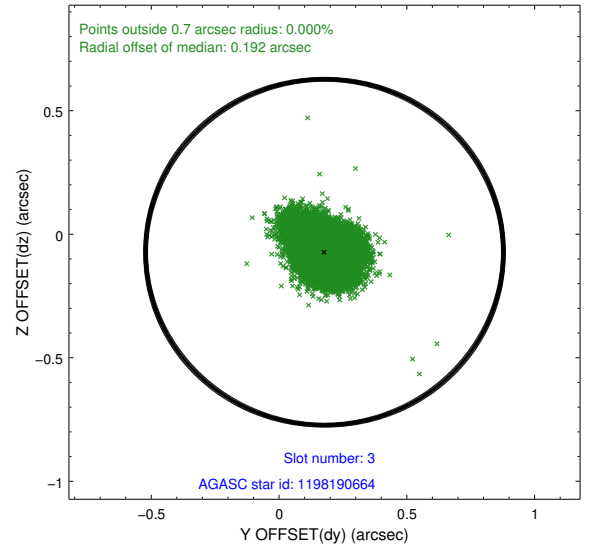
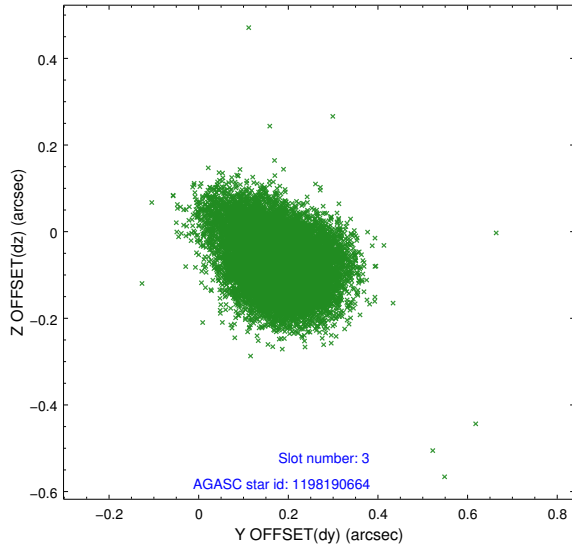


Slot Statistics

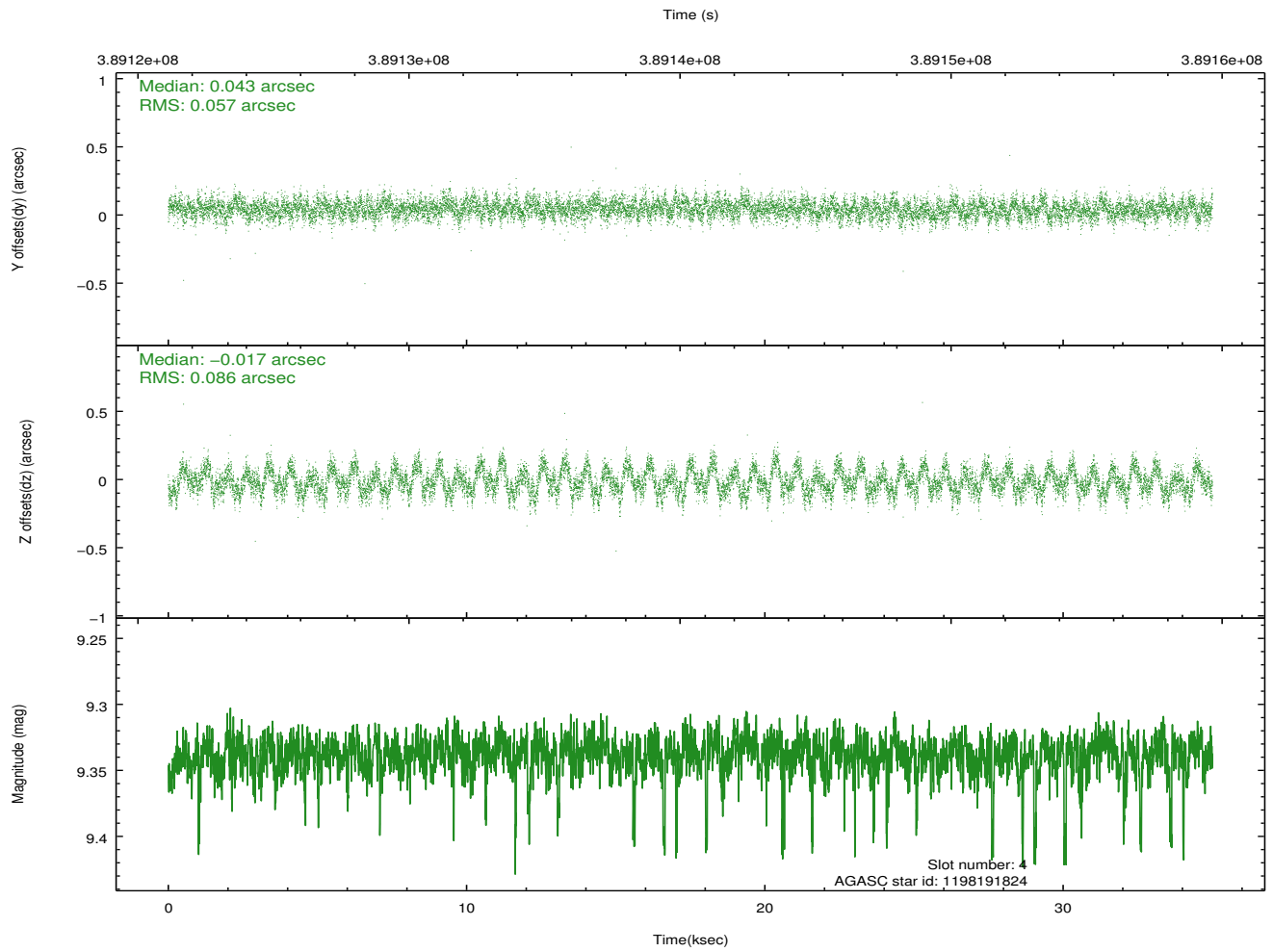
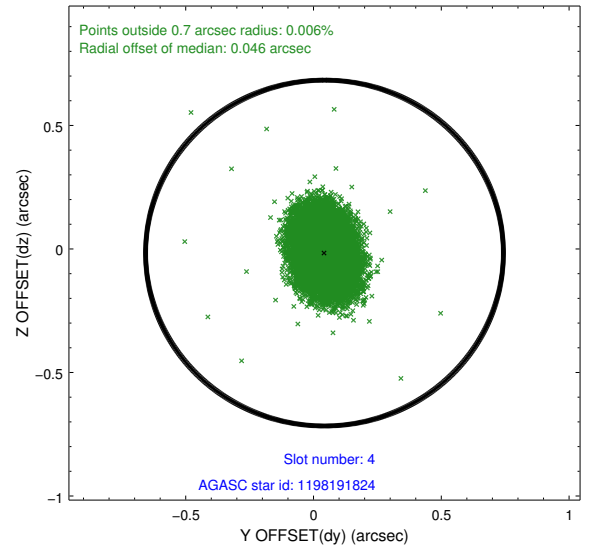
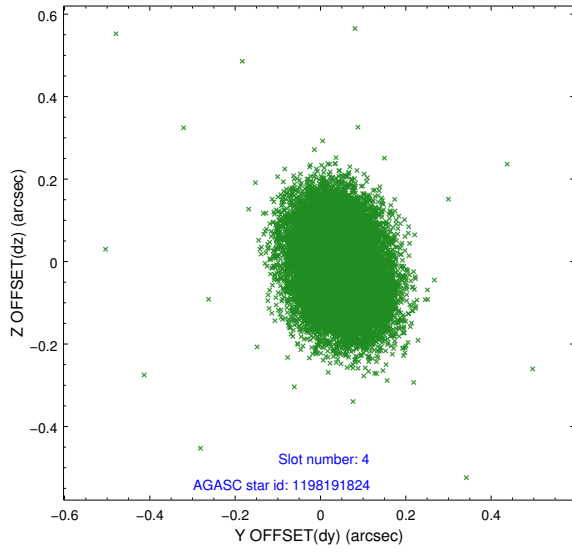
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.98	8538	0.080	-0.088	0.022	0.040	0.000000	0.000000	927.69	-1733.25
1	FID	ACIS-S-5	7.03	8539	-0.135	0.040	0.025	0.035	0.000000	0.000000	-1821.49	164.40
2	FID	ACIS-S-6	7.14	8538	0.049	0.053	0.023	0.053	0.000000	0.000000	393.17	808.41
3	GUIDE	1198190664	9.24	17064	0.178	-0.073	0.092	0.157	14.057016	-73.825958	-1782.38	1087.20
4	GUIDE	1198191824	9.34	17051	0.043	-0.017	0.109	0.176	11.519918	-73.478175	1074.36	963.74
5	GUIDE	1198191400	8.41	17067	-0.142	0.142	0.076	0.125	11.617890	-72.595865	2306.35	-1965.55
6	GUIDE	1198190648	8.03	17074	-0.116	-0.008	0.072	0.117	12.344115	-73.478663	304.73	618.03
7	GUIDE	1198192456	8.59	17065	0.036	-0.051	0.074	0.120	13.422921	-73.869405	-1255.69	1475.32

2.4 Star Slots

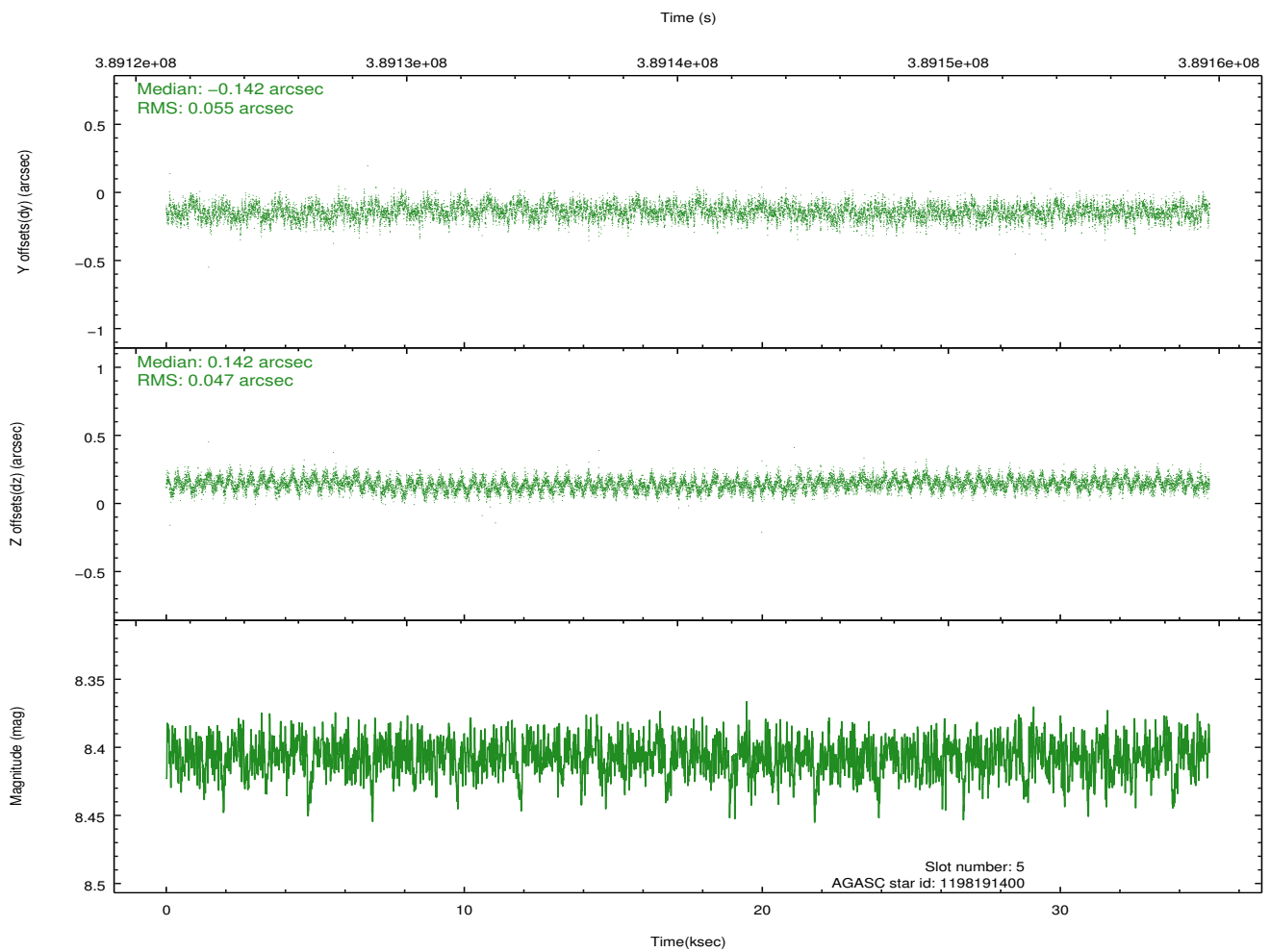
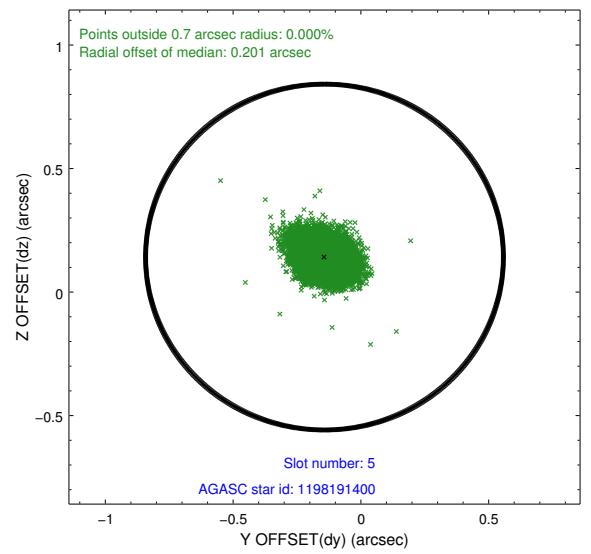
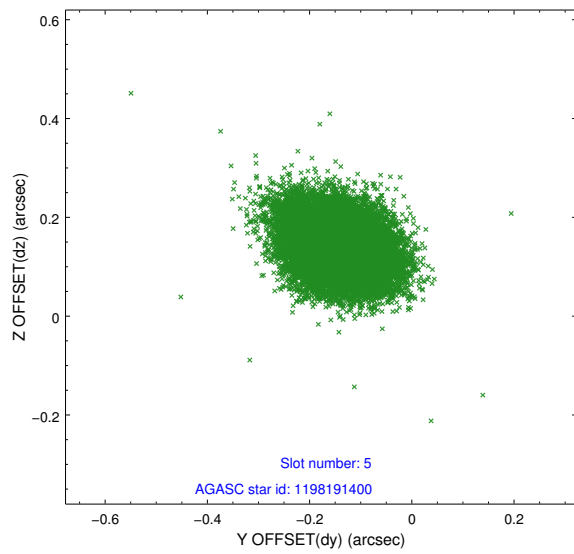
2.4.1 Slot 3



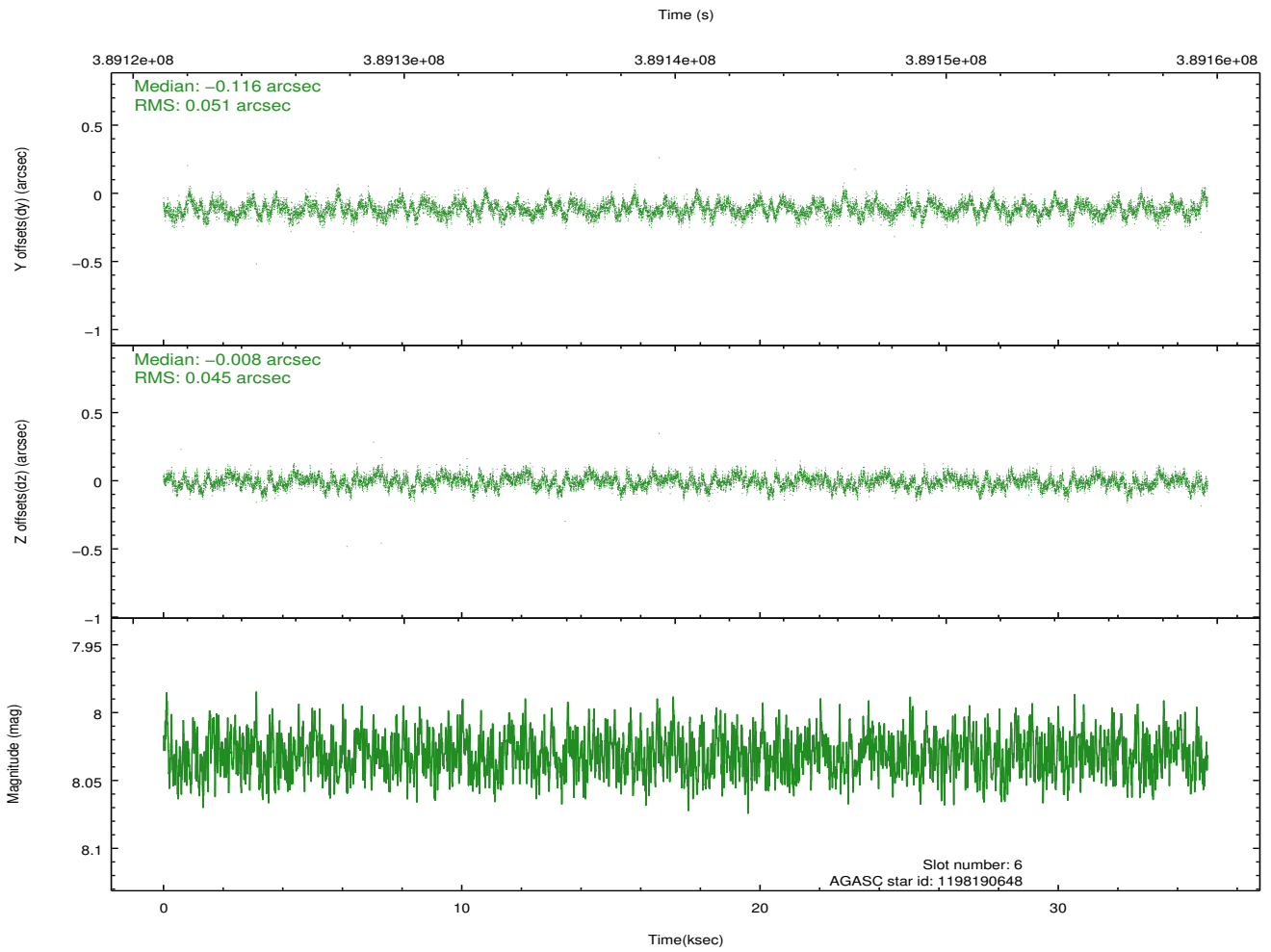
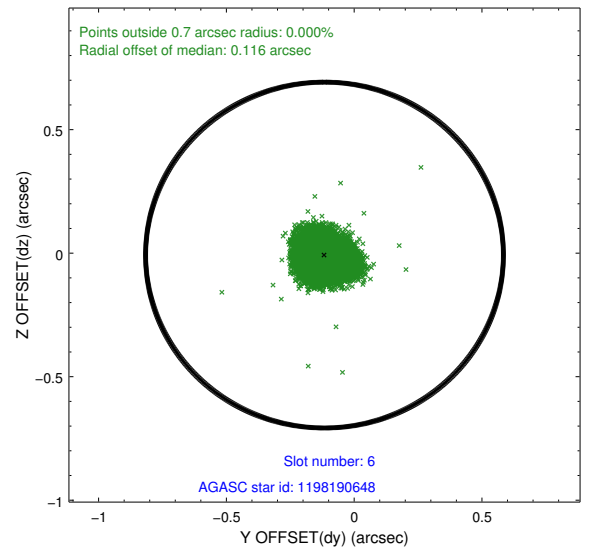
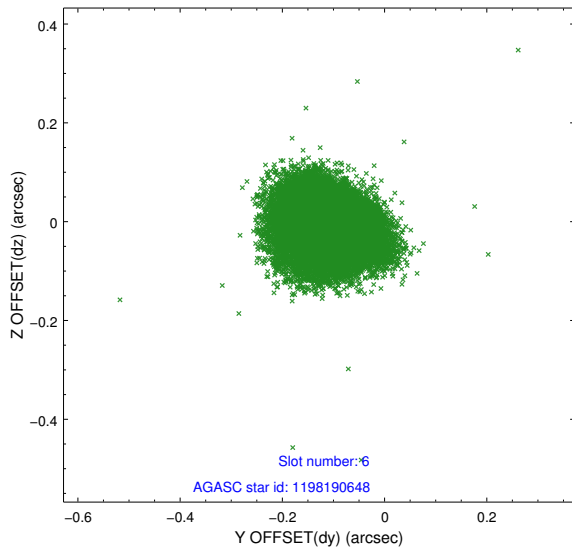
2.4.2 Slot 4



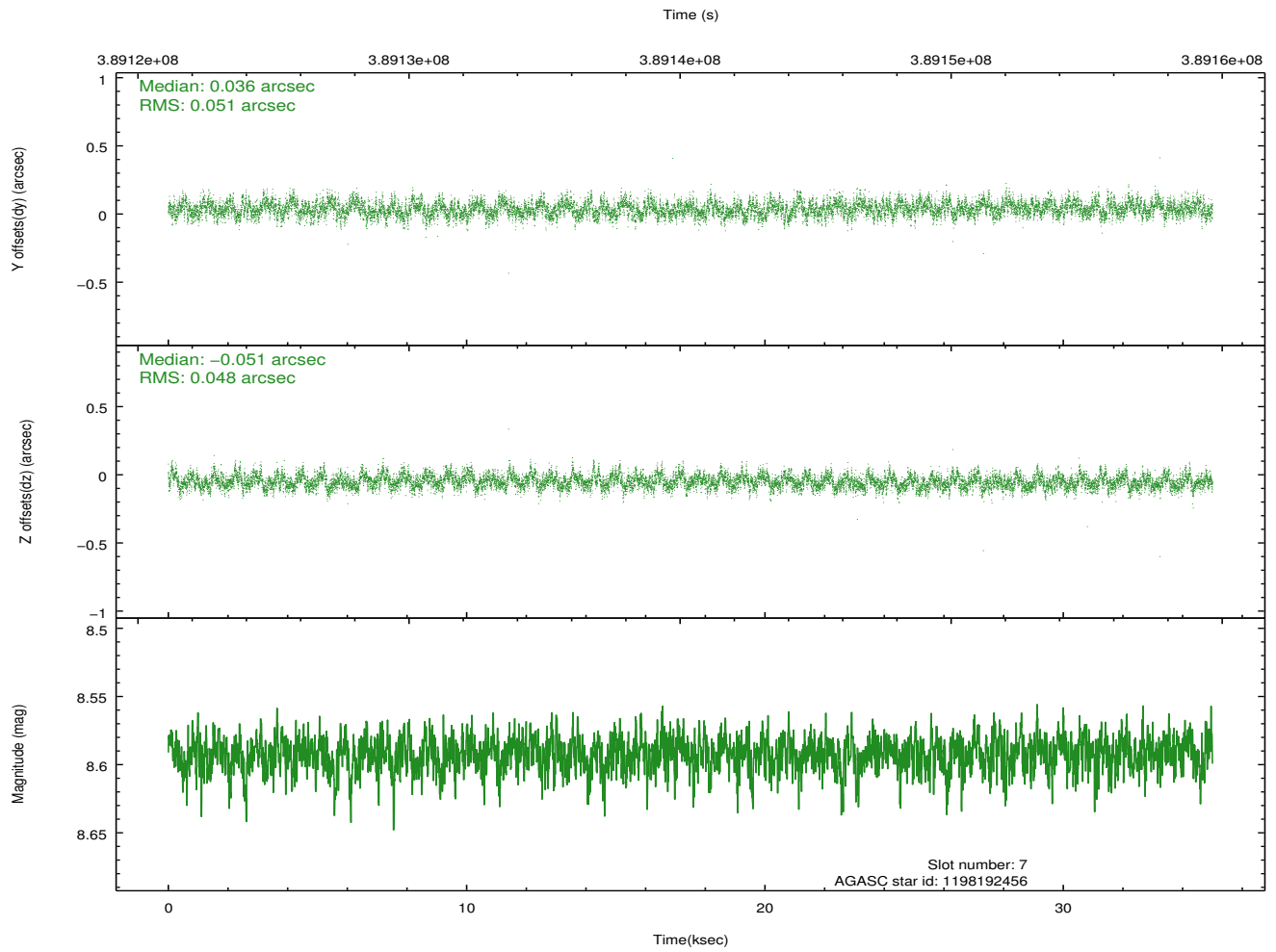
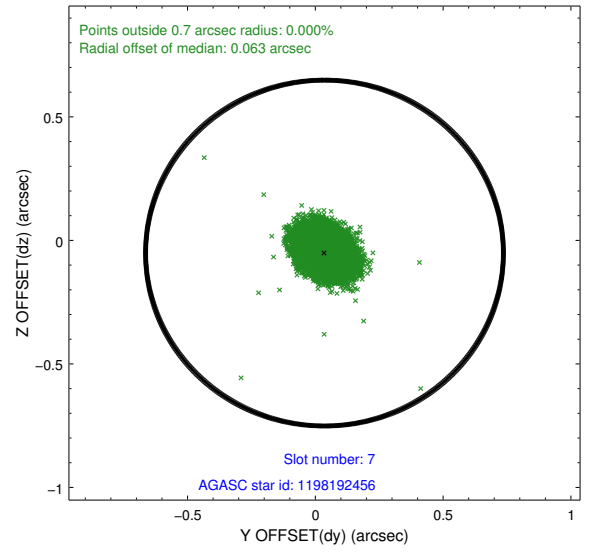
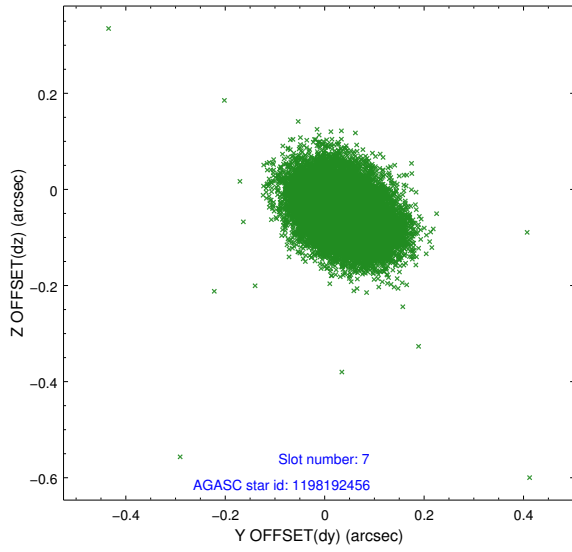
2.4.3 Slot 5



2.4.4 Slot 6

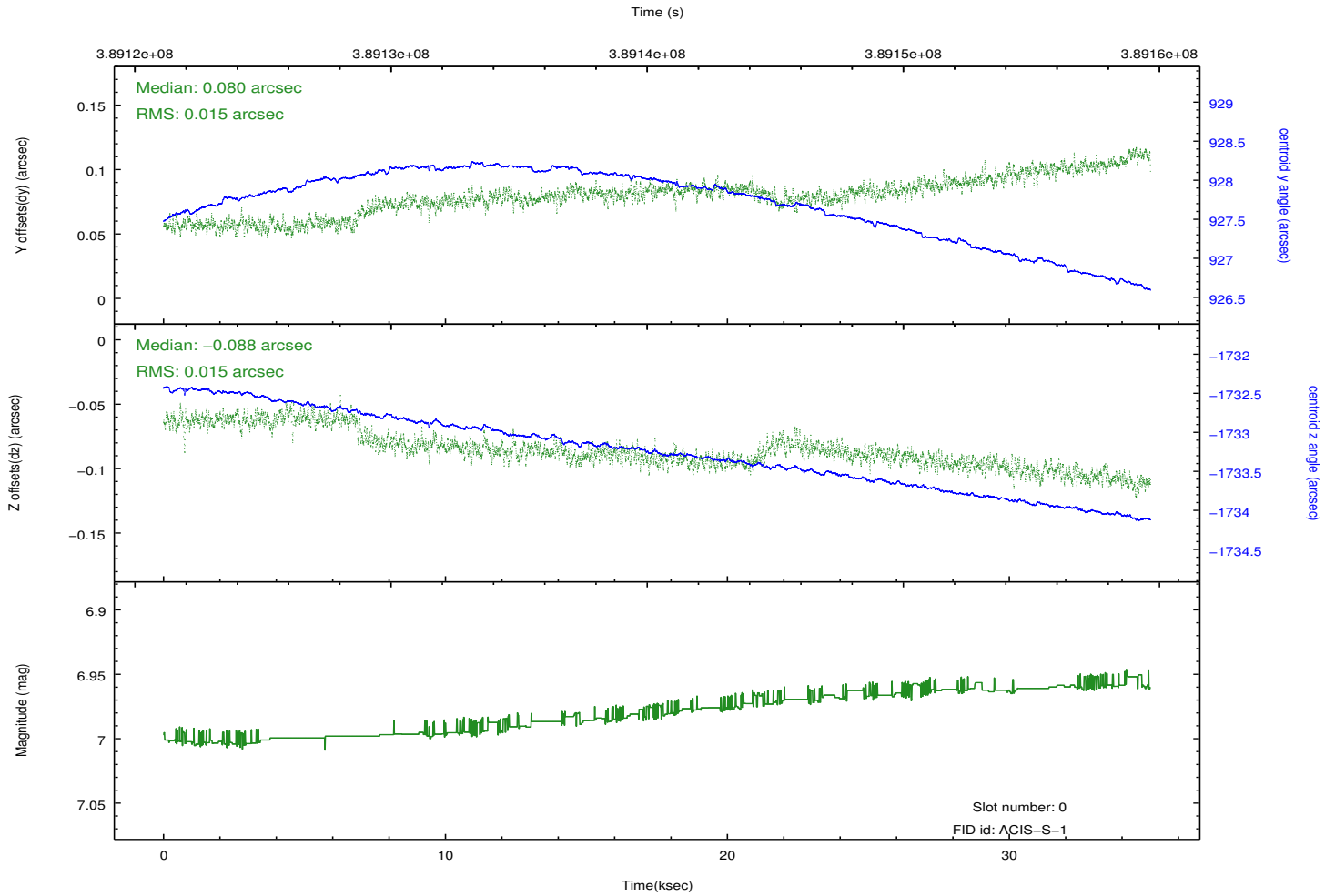
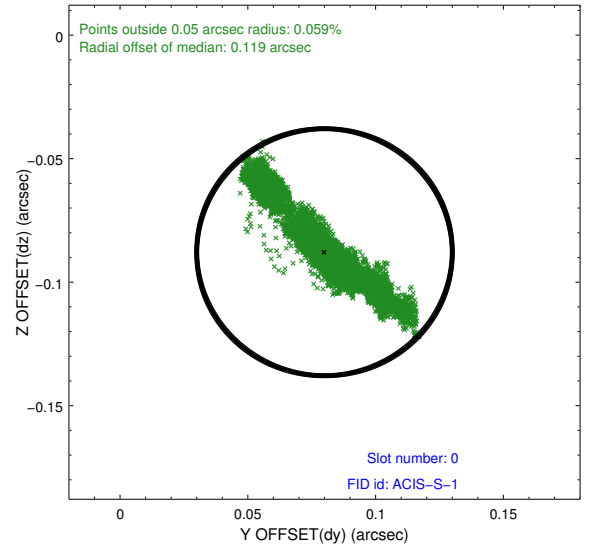
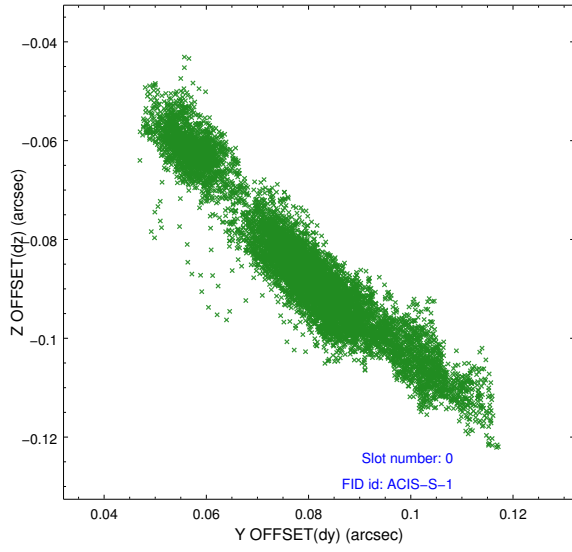


2.4.5 Slot 7

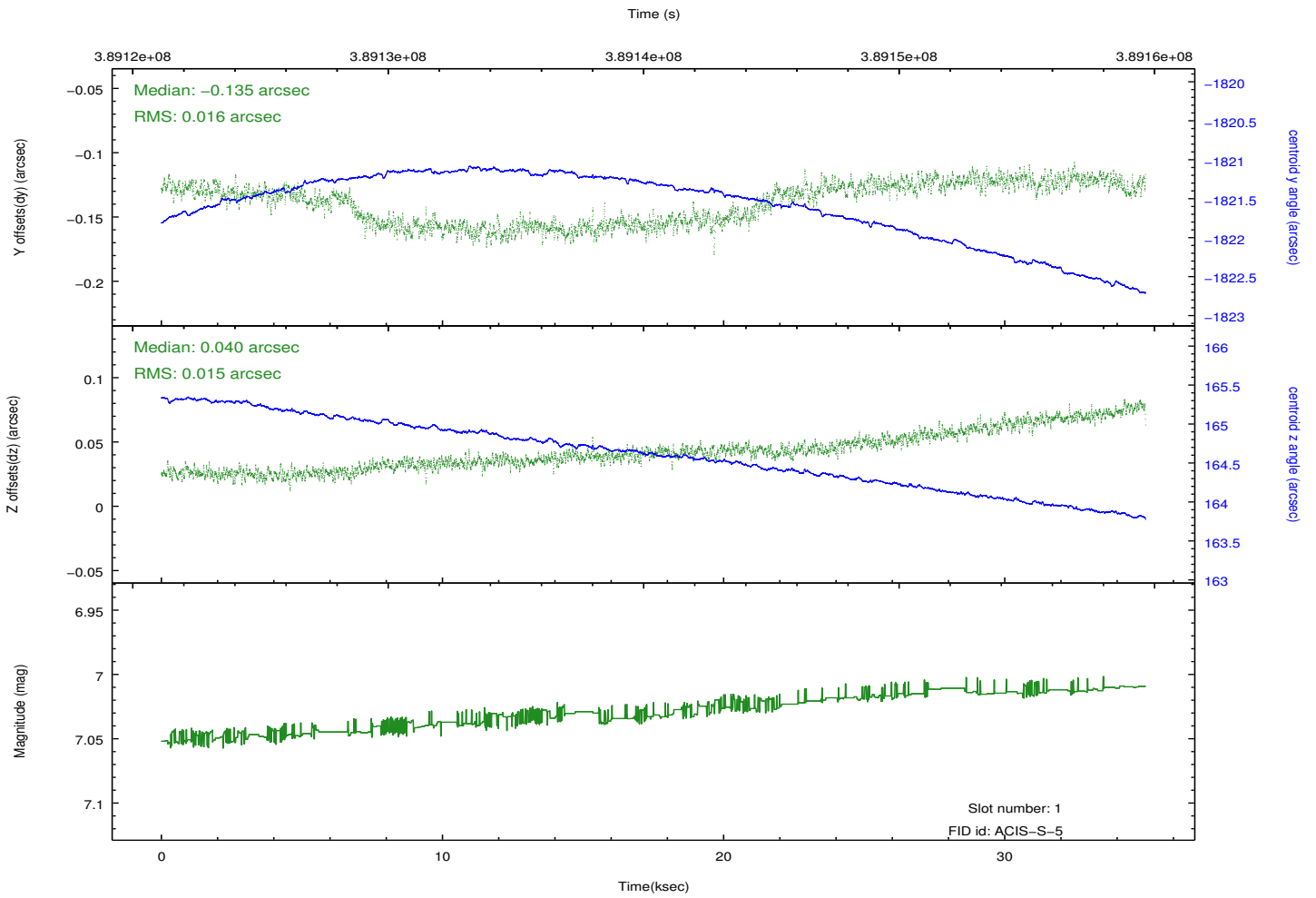
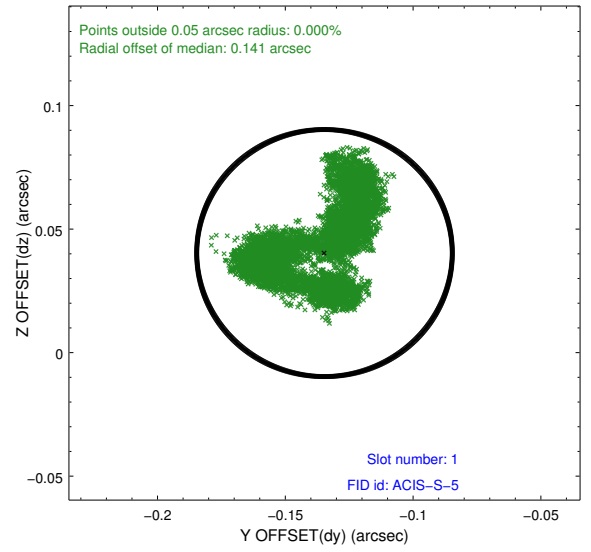
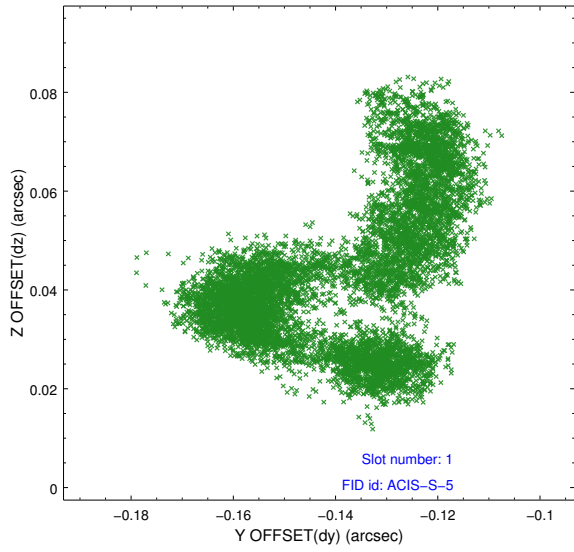


2.5 FID Slots

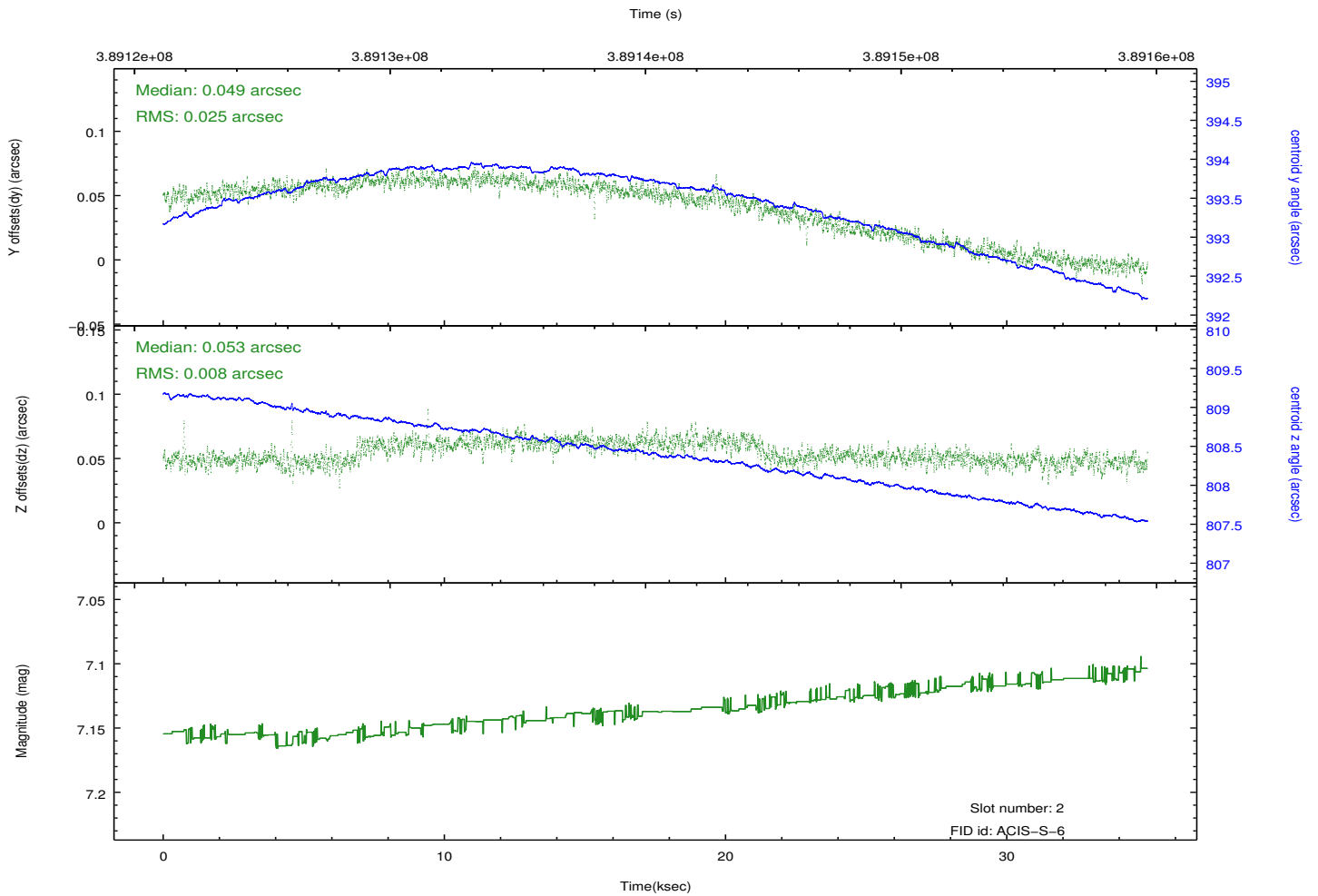
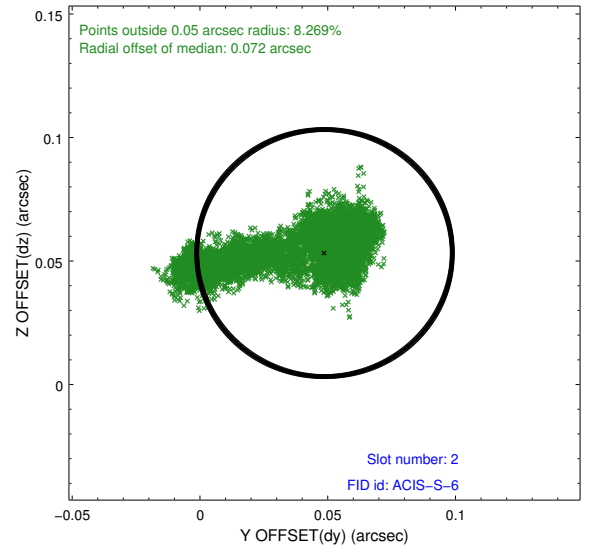
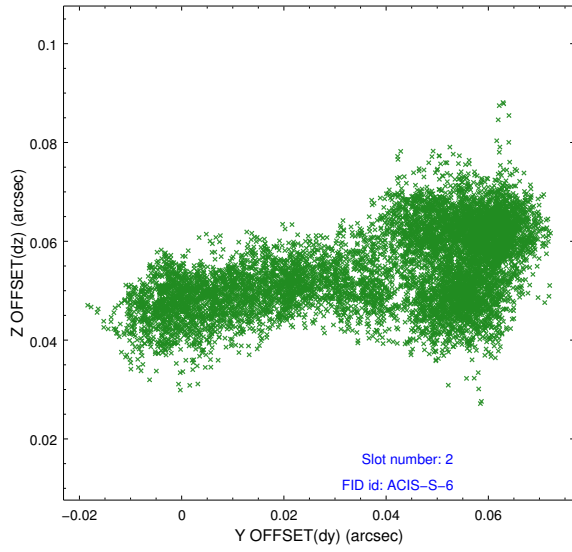
2.5.1 Slot 0



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	34.0473002

A.2 Comments