

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6696 - L2 Version 2
Chandra X-Ray Center

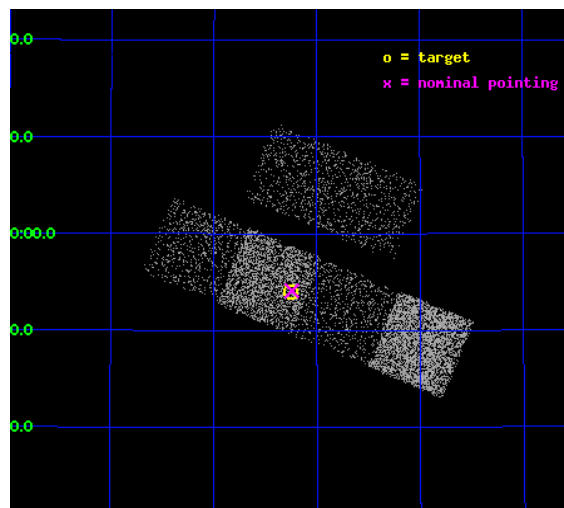
L2 Processing Date : Mar 28 2012

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1 Front

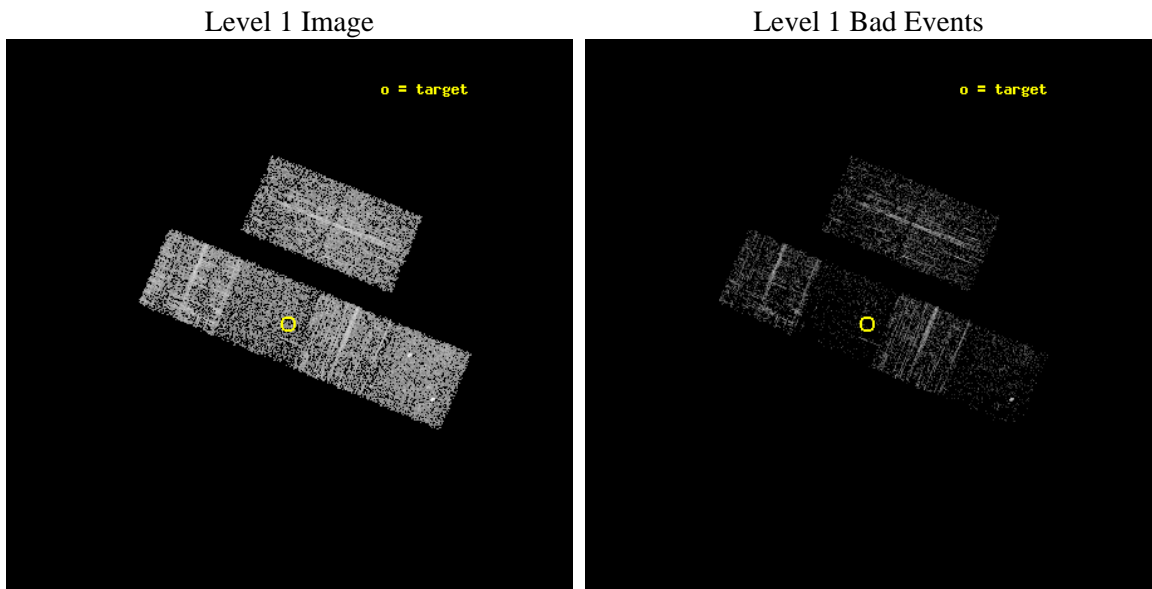
seq_num	500647	Sequence number
obs_id	6696	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	IRXS J103415.1+435402	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.562917	Observer's specified target RA [deg]
dec_targ	43.900694	Observer's specified target Dec [deg]
ra_nom	158.56060904496	Nominal RA [deg]
dec_nom	43.901890968798	Nominal Dec [deg]
roll_nom	202.39173981621	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1542.3999942541	Sum of GTIs [s]
livetime	1522.8691968051	Livetime [s]
ontime2	1539.159003973	Sum of GTIs [s]
ontime3	1542.3999942541	Sum of GTIs [s]
ontime5	1542.3999942541	Sum of GTIs [s]
ontime6	1542.3999942541	Sum of GTIs [s]
ontime7	1542.3999942541	Sum of GTIs [s]
ontime8	1542.3999942541	Sum of GTIs [s]
l2events	10060	Number of level 2 events



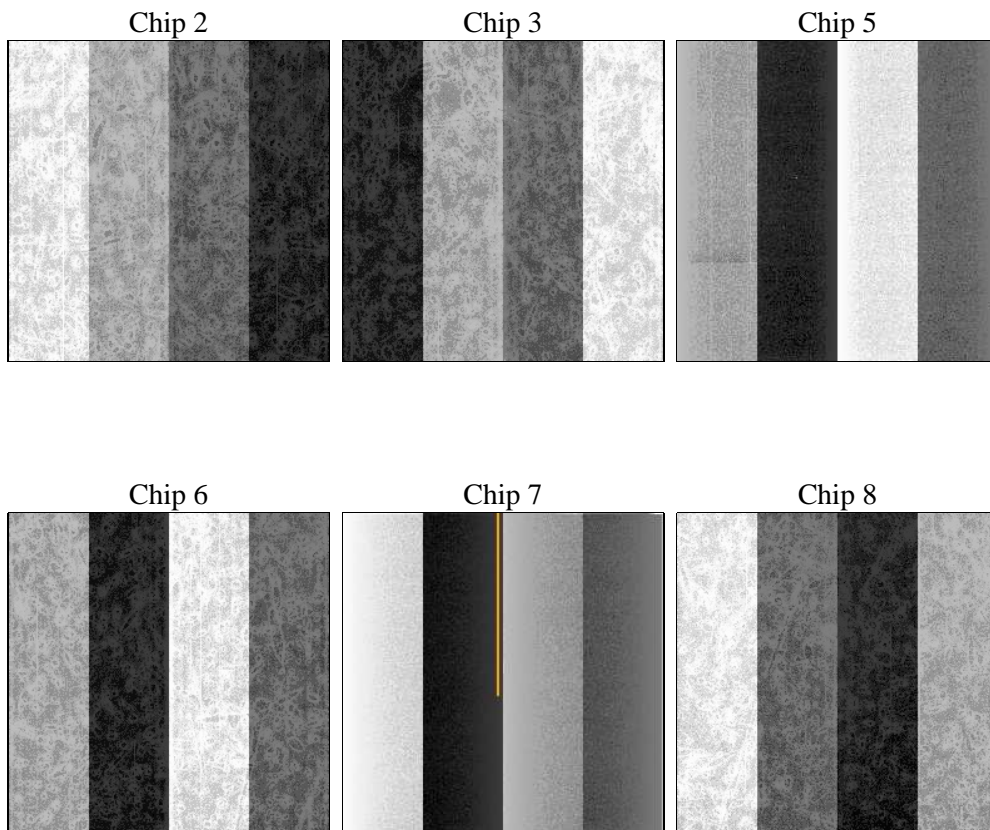
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1542.3999942541	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	1539.159003973	Sum of GTIs [s]
date	2012-03-28T02:51:41	Date and time of file creation	ontime3	1542.3999942541	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1542.3999942541	Sum of GTIs [s]
			ontime6	1542.3999942541	Sum of GTIs [s]
			ontime7	1542.3999942541	Sum of GTIs [s]
			ontime8	1542.3999942541	Sum of GTIs [s]
			l1events	54423	Number of level 1 events

2.1.4 Events

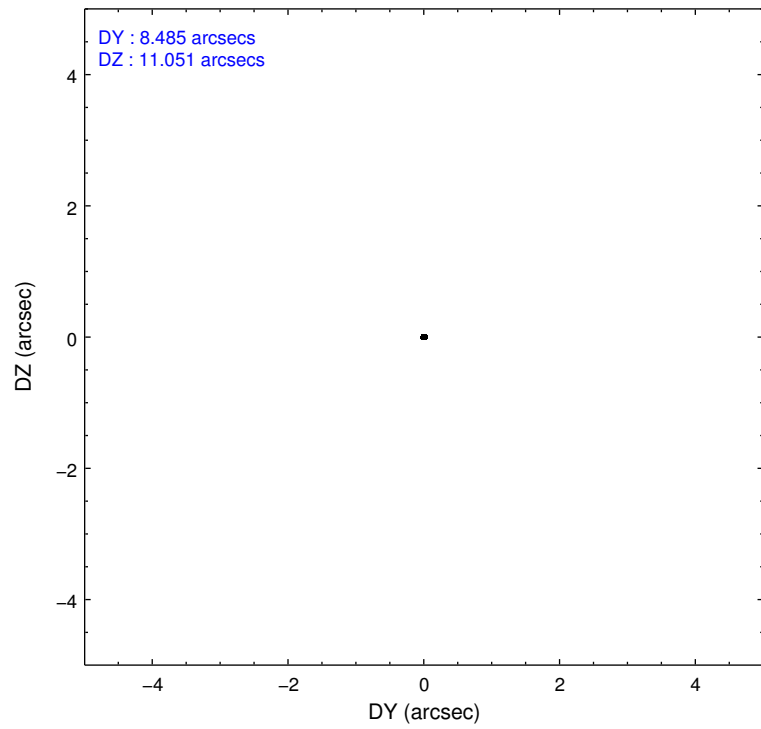
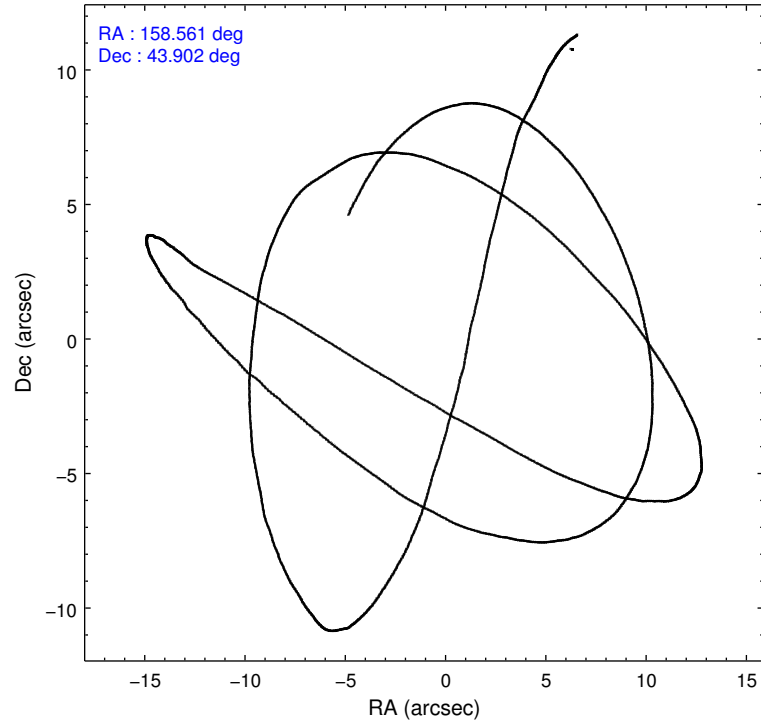
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	10035	8131	8839	10214	5394	11810
rejected events	9215	7406	3500	9381	2353	9023
rejected %	91%	91%	39%	91%	43%	76%

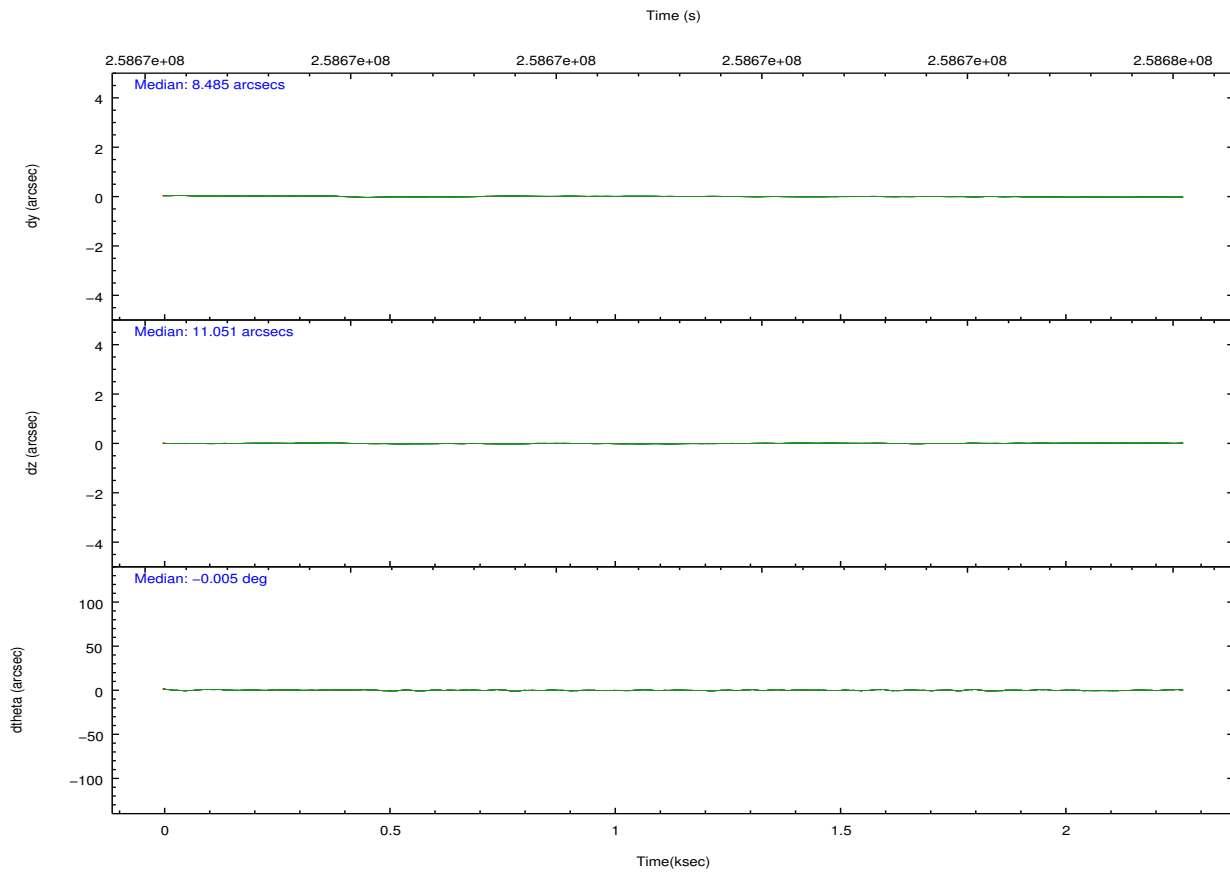
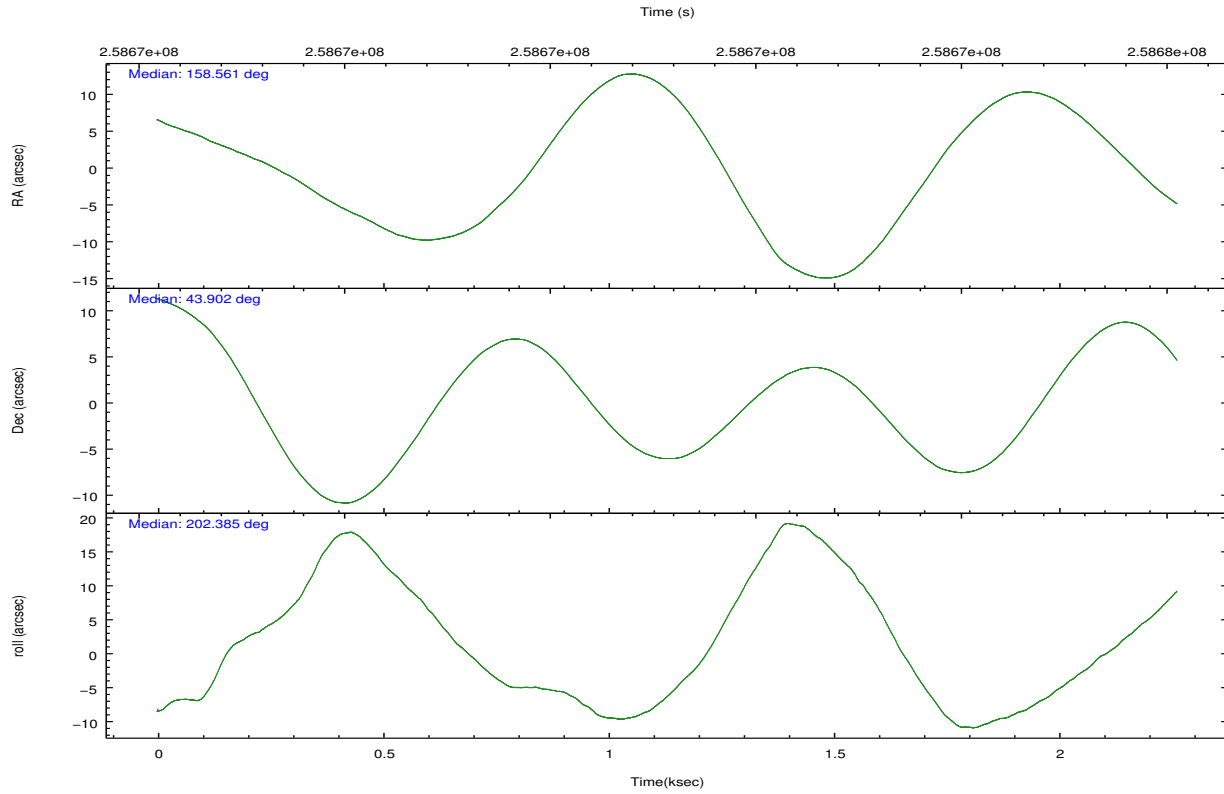
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	317	312	845	310	368	729
	3%	3%	9%	3%	6%	6%
grade 1 events	6	6	71	6	11	9
	0%	0%	0%	0%	0%	0%
grade 2 events	203	134	1791	192	786	740
	2%	1%	20%	1%	14%	6%
grade 3 events	102	106	259	88	306	288
	1%	1%	2%	0%	5%	2%
grade 4 events	89	79	246	101	305	278
	0%	0%	2%	0%	5%	2%
grade 5 events	147	196	751	175	537	286
	1%	2%	8%	1%	9%	2%
grade 6 events	114	96	2223	147	1286	794
	1%	1%	25%	1%	23%	6%
grade 7 events	9057	7202	2653	9195	1795	8686
	90%	88%	30%	90%	33%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	158.583107	158.5606090449625	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.923570	43.90189096879831	Alternating exposures requested	N	N
[deg] Pointing Roll	202.219538	202.3917398162096	[s] Primary exposure time	0.000000	3.2
[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)	258673416.184000	258672121.15424			
Observation start date	2006-03-13T21:42:31	2006-03-13T21:22:01			
[s] Observation end time (MET)	258674916.184000	258675475.46689			
Observation end date	2006-03-13T22:07:31	2006-03-13T22:17:55			
Read mode	TIMED	TIMED			

2.3 Aspect



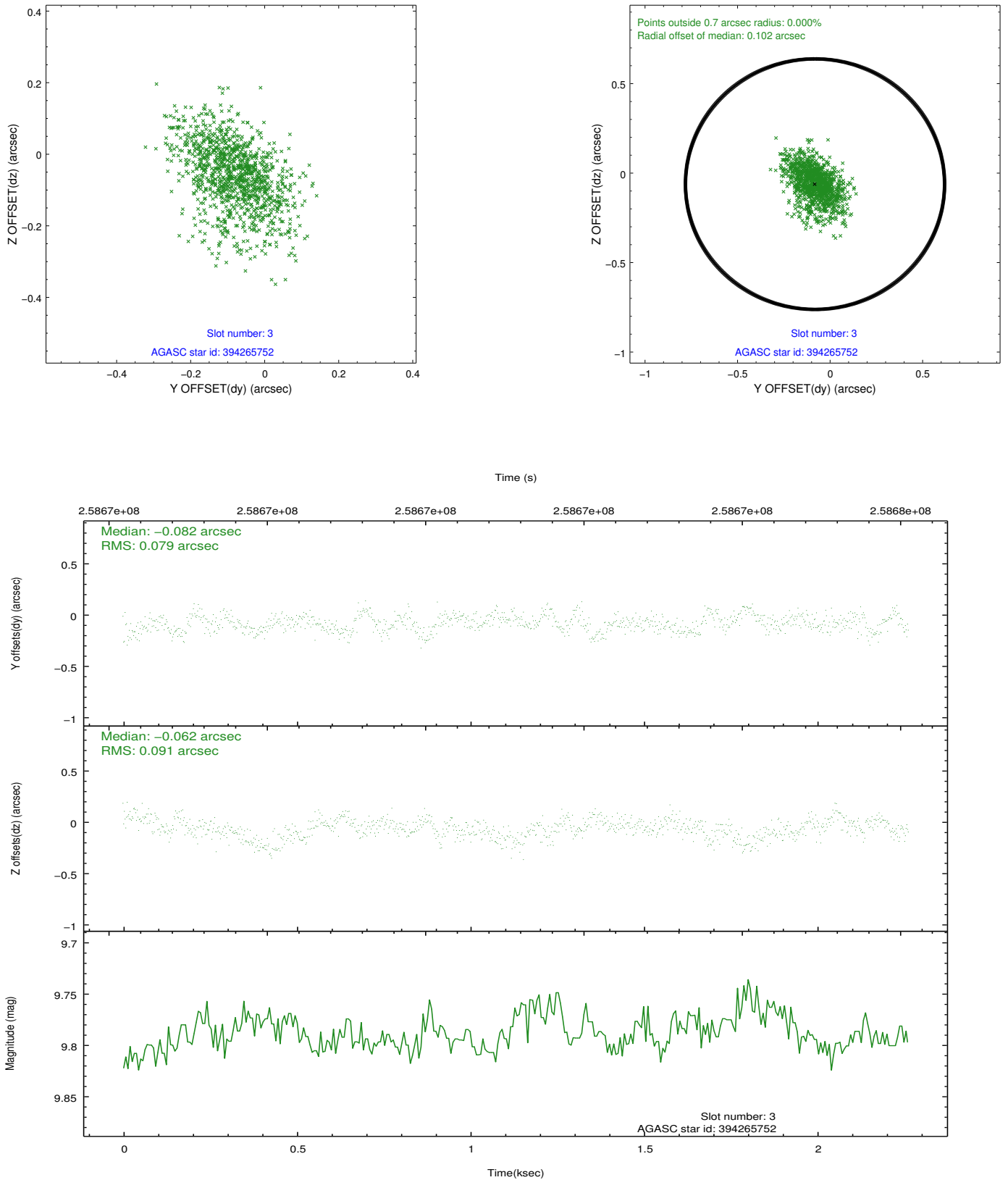


Slot Statistics

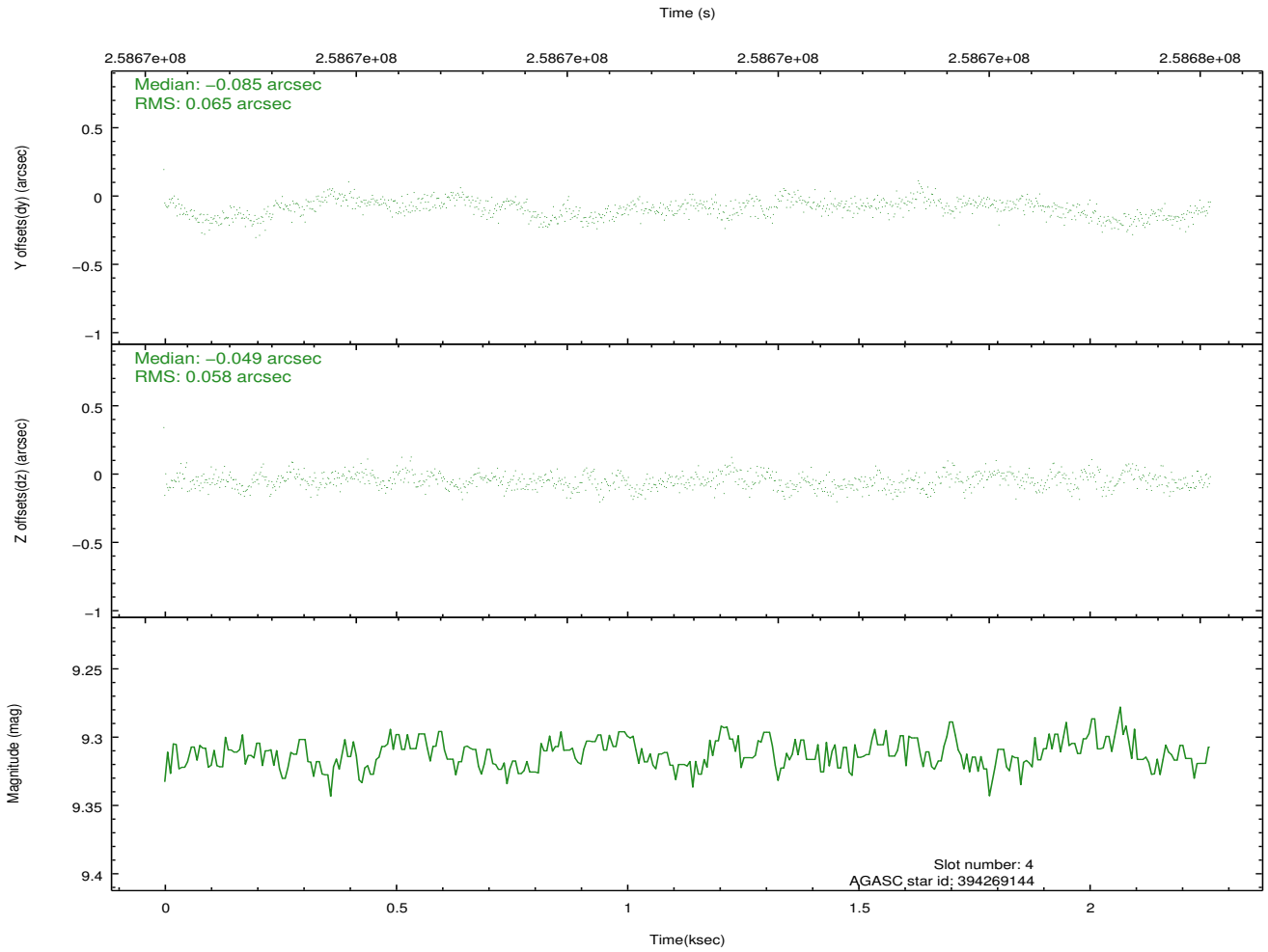
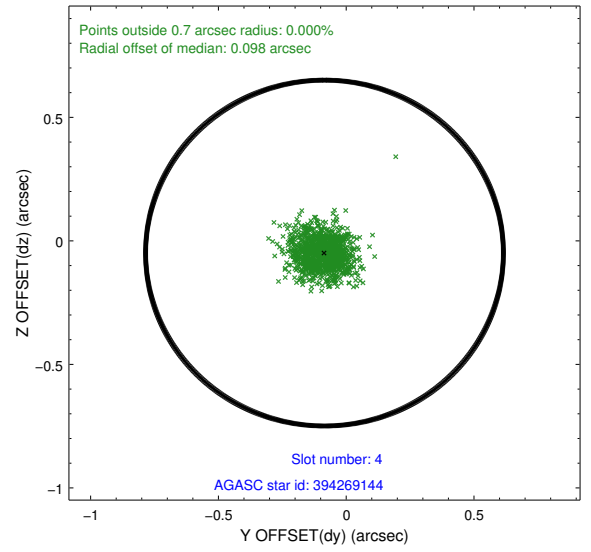
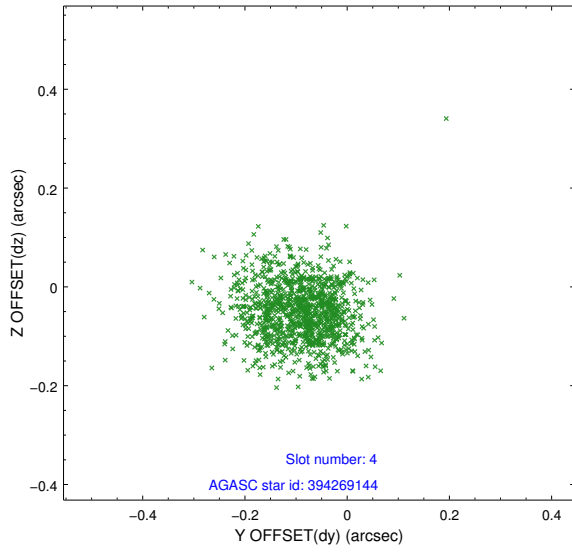
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	553	0.062	-0.083	0.007	0.011	0.000000	0.000000	934.81	-1728.04
1	FID	ACIS-S-5	7.23	552	-0.119	0.029	0.006	0.011	0.000000	0.000000	-1812.75	166.67
2	FID	ACIS-S-6	7.35	553	0.036	0.067	0.007	0.012	0.000000	0.000000	397.25	813.91
3	GUIDE	394265752	9.79	1103	-0.082	-0.062	0.129	0.214	159.223177	43.646673	-1168.46	1547.93
4	GUIDE	394269144	9.31	1102	-0.085	-0.049	0.090	0.149	158.531893	43.464752	747.84	1480.18
5	GUIDE	394269720	9.99	1105	-0.040	-0.015	0.122	0.194	157.847495	44.287562	1257.57	-1935.70
6	GUIDE	394272120	10.15	1096	-0.023	-0.029	0.231	0.379	157.832898	44.333540	1229.12	-2106.48
7	GUIDE	394270280	9.85	1104	0.212	0.164	0.140	0.225	158.138611	43.075133	2237.75	2381.59

2.4 Star Slots

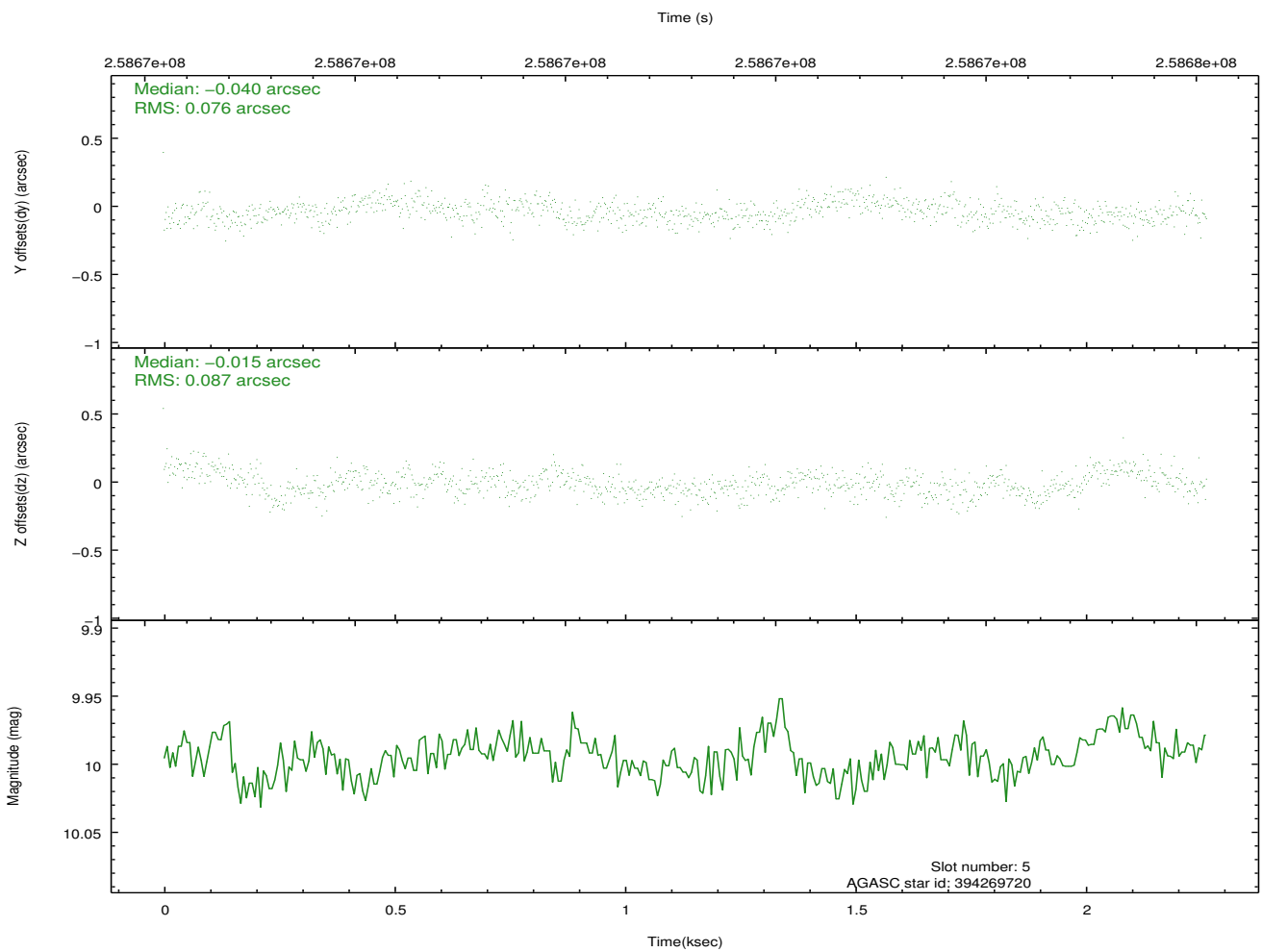
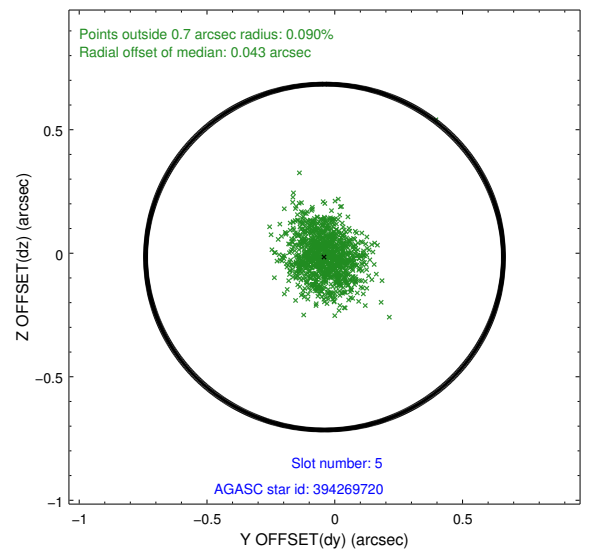
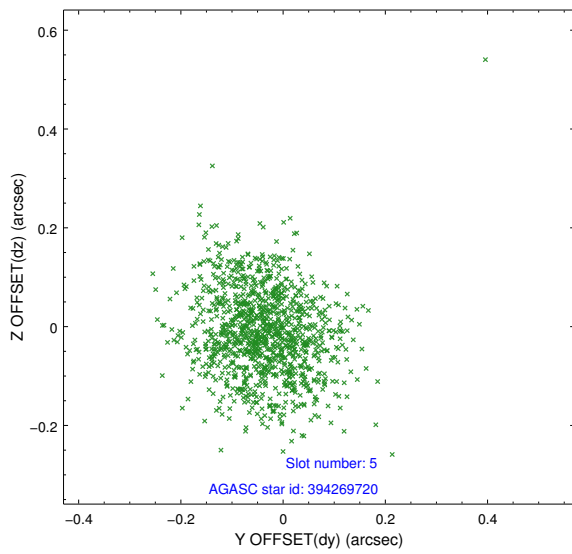
2.4.1 Slot 3



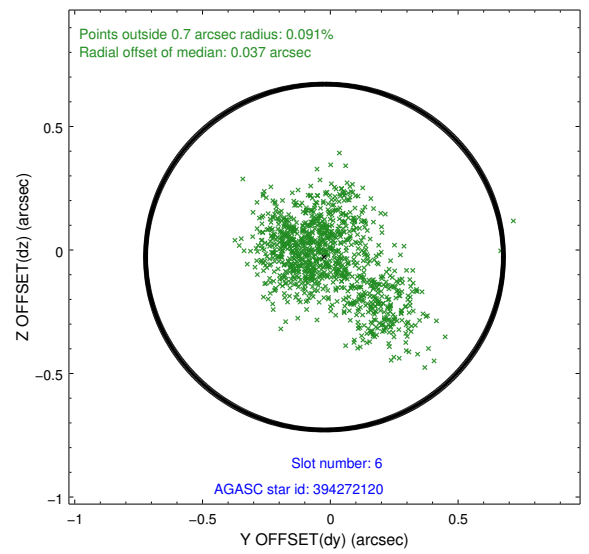
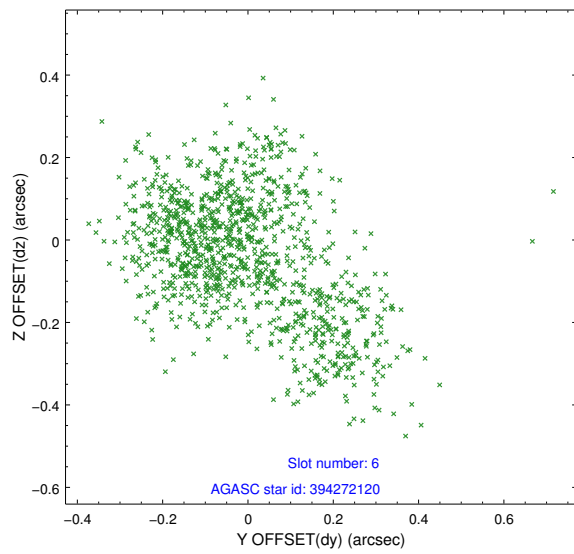
2.4.2 Slot 4



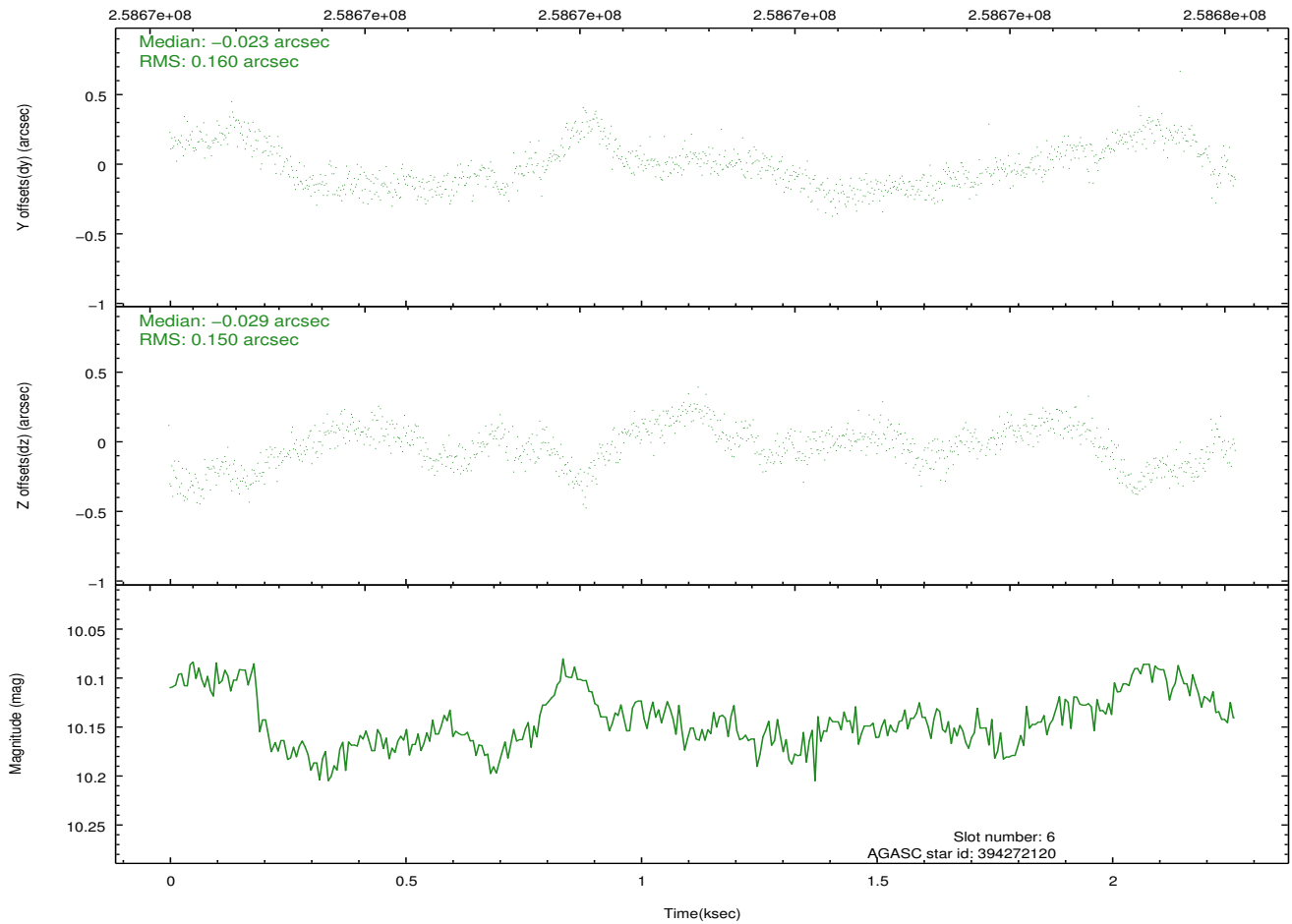
2.4.3 Slot 5



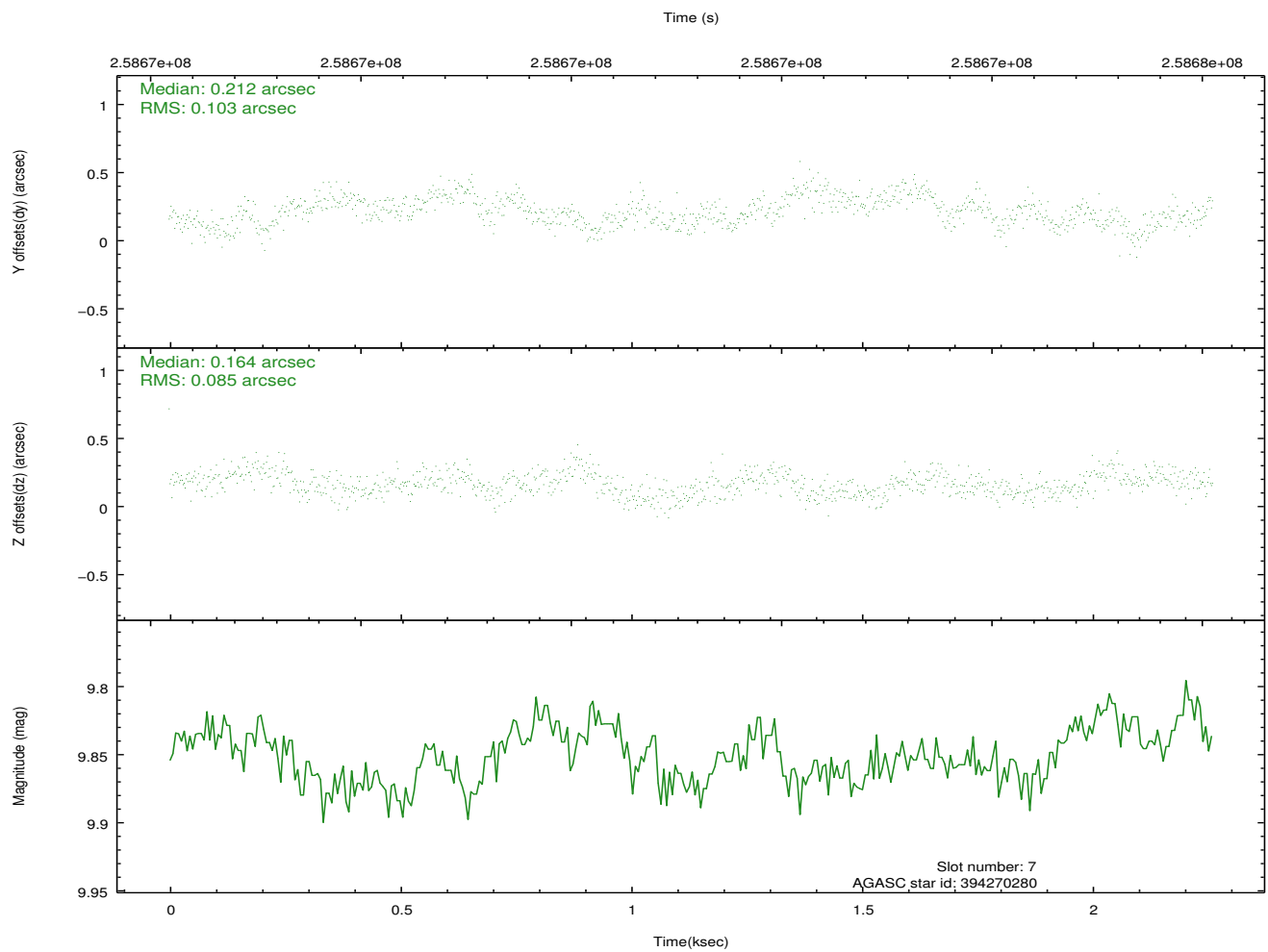
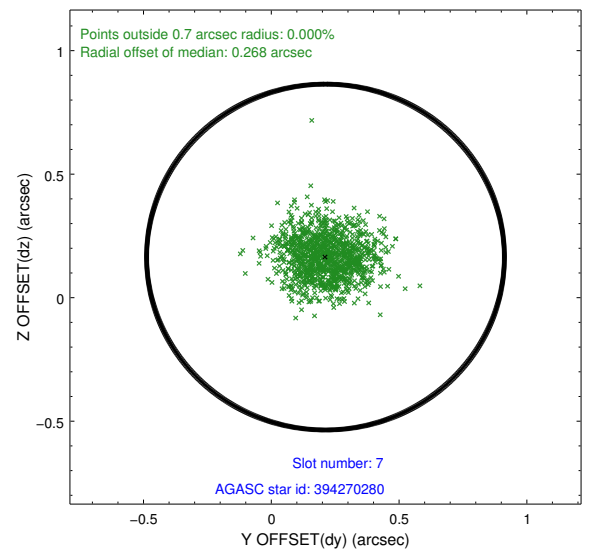
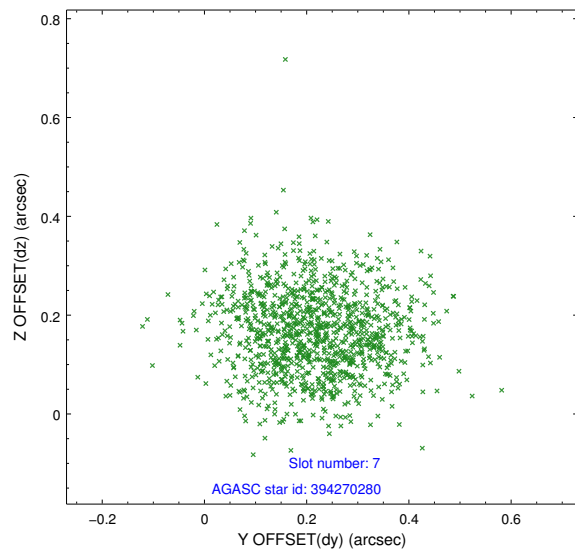
2.4.4 Slot 6



Time (s)

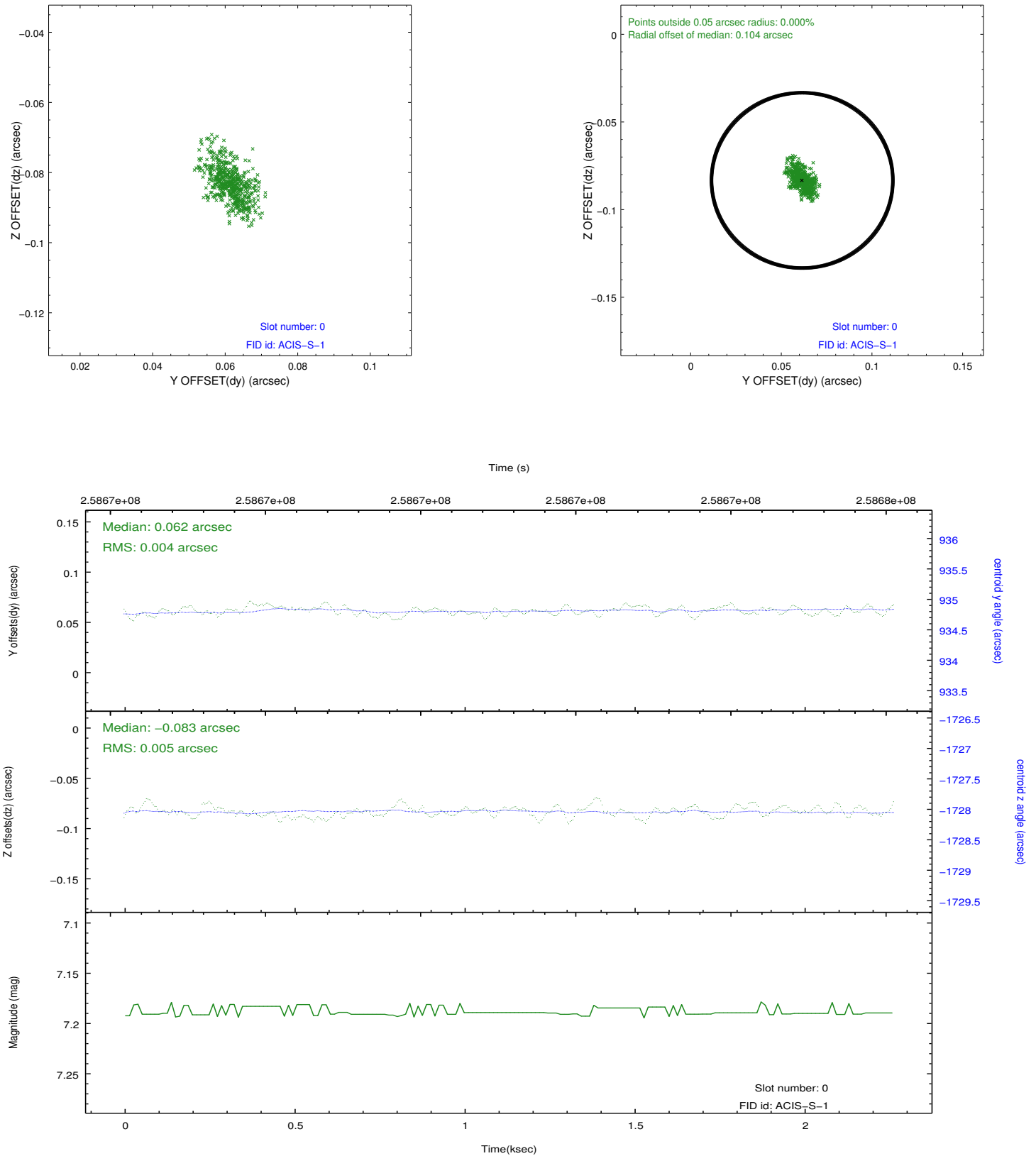


2.4.5 Slot 7

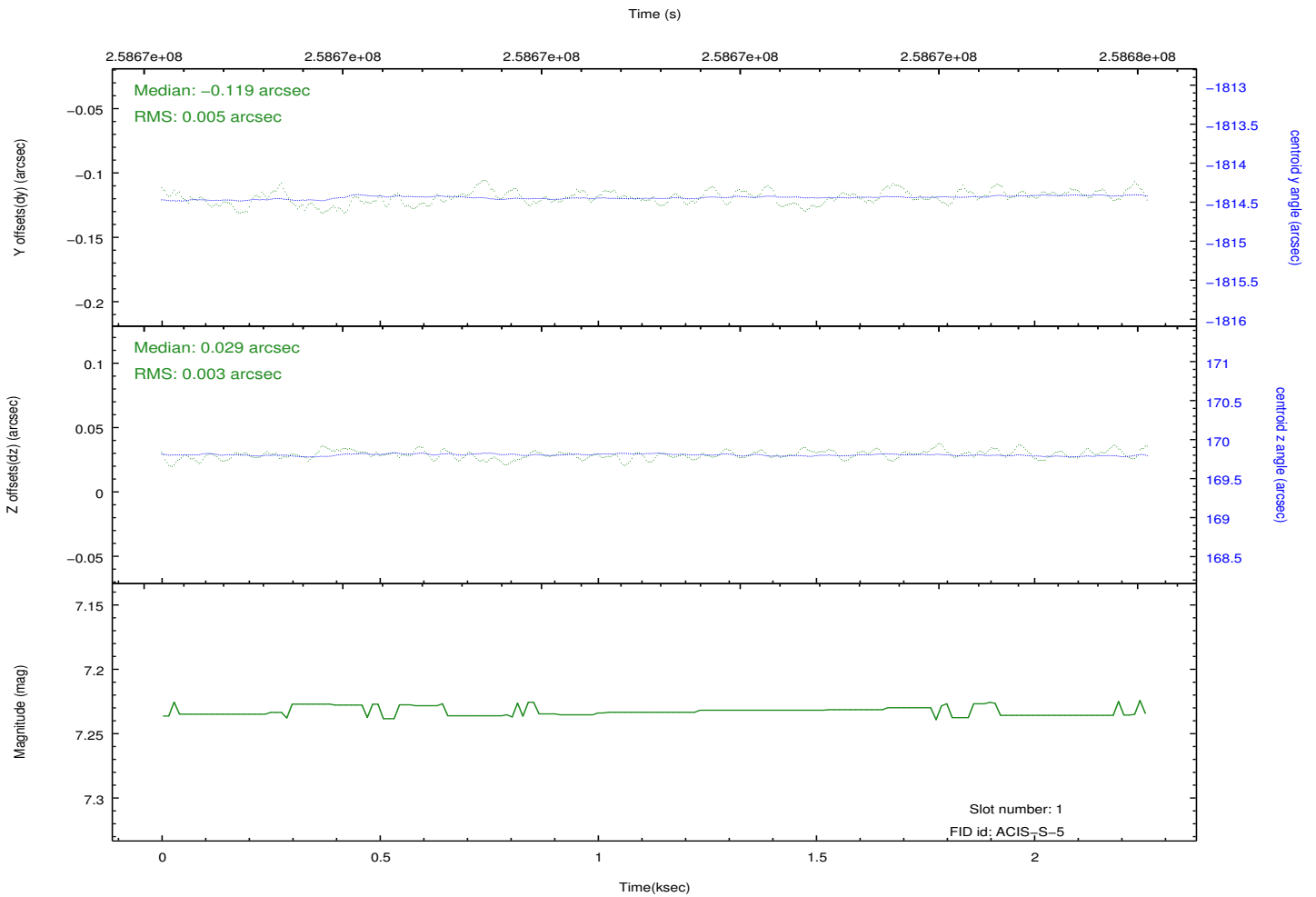
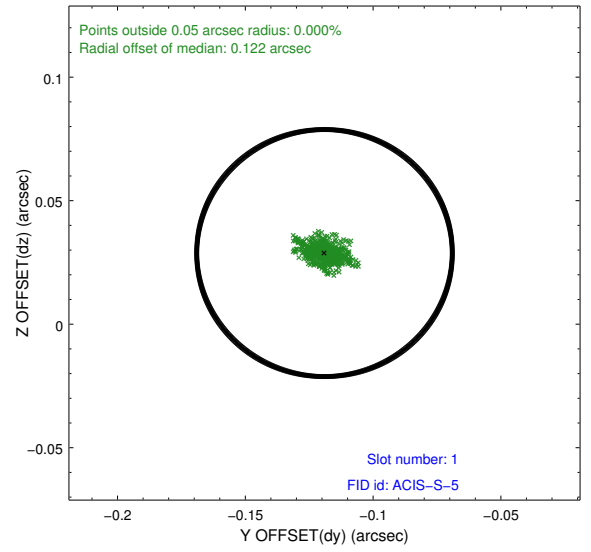
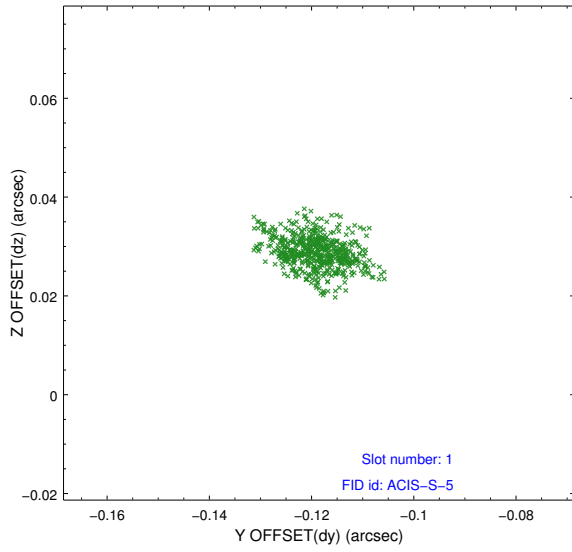


2.5 FID Slots

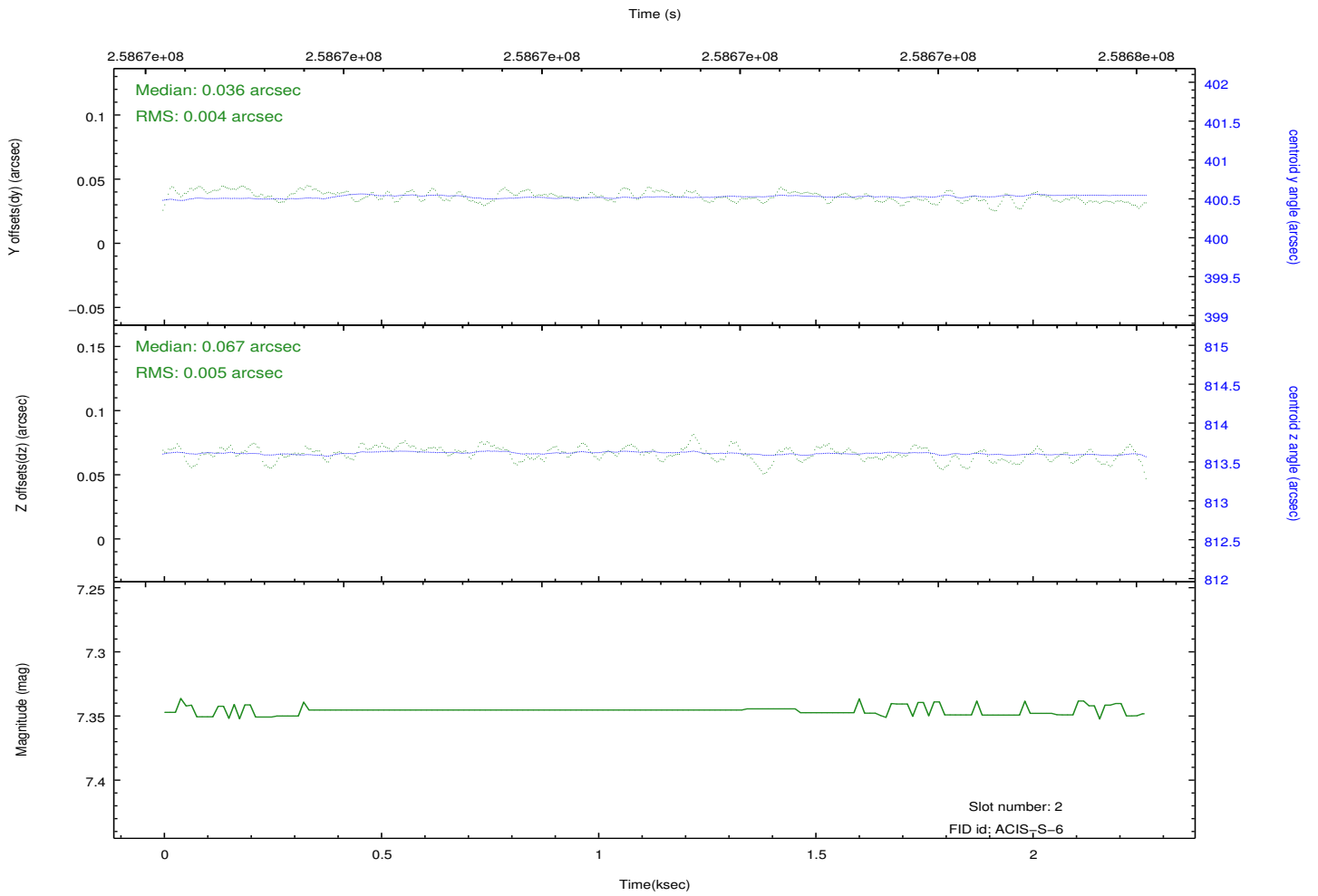
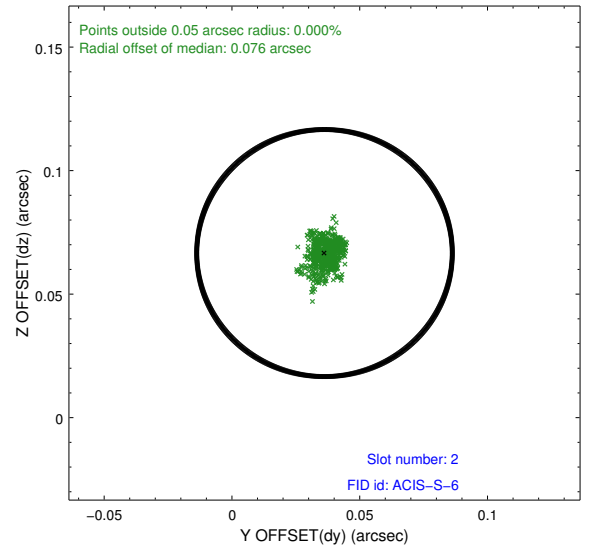
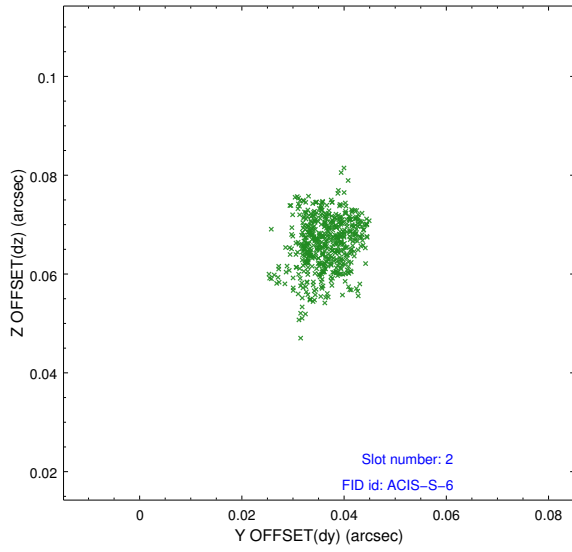
2.5.1 Slot 0



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)	2012.03.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.54239999

A.2 Comments