

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7060 - L2 Version 2
Chandra X-Ray Center

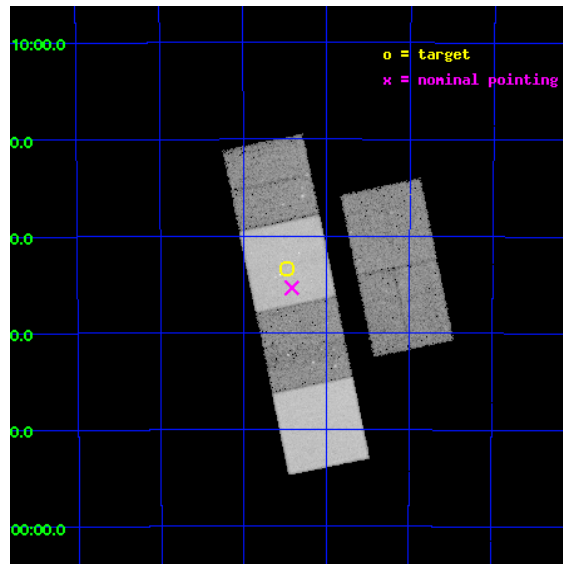
L2 Processing Date : Mar 20 2012

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1 Front

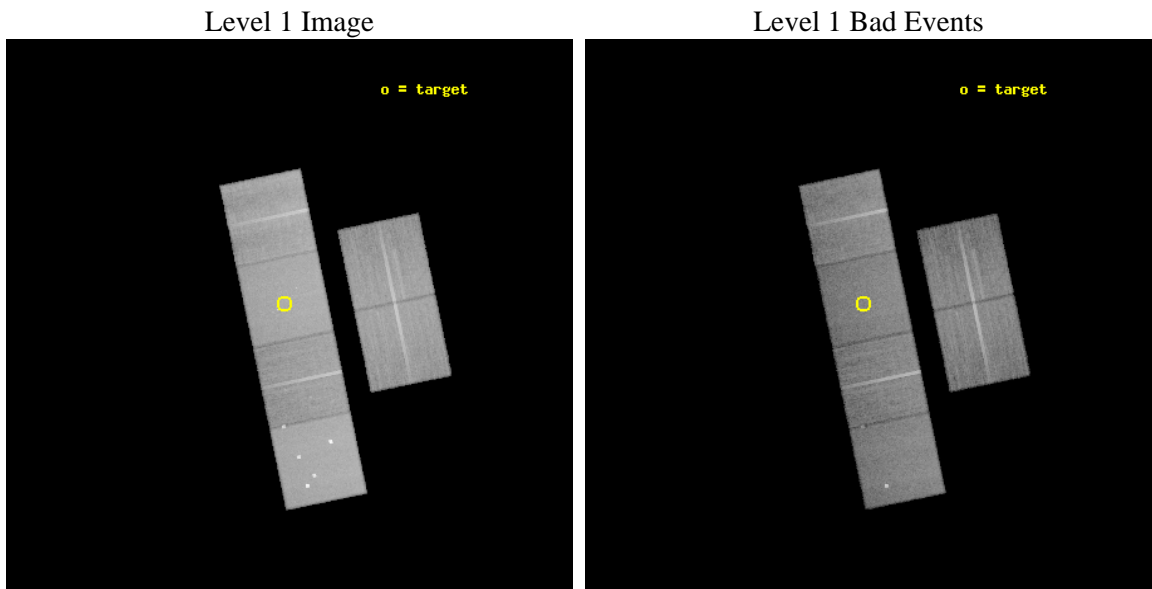
seq_num	600498	Sequence number
obs_id	7060	Observation id
title	Extraplanar Hot Gas and Radio Galactic Halos	Proposal title
observer	Prof. Q. Daniel Wang	Principal investigator
object	NGC 7090	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	324.119167	Observer's specified target RA [deg]
dec_targ	-54.55675	Observer's specified target Dec [deg]
ra_nom	324.10432926608	Nominal RA [deg]
dec_nom	-54.589536267254	Nominal Dec [deg]
roll_nom	258.2435733358	Nominal Roll [deg]
revision	2	Processing version of data
ontime	26412.799901605	Sum of GTIs [s]
livetime	26078.345125372	Livetime [s]
ontime2	26409.558931321	Sum of GTIs [s]
ontime3	26412.799901605	Sum of GTIs [s]
ontime5	26412.799901605	Sum of GTIs [s]
ontime6	26412.799901605	Sum of GTIs [s]
ontime7	26412.799901605	Sum of GTIs [s]
ontime8	26409.559060842	Sum of GTIs [s]
l2events	345037	Number of level 2 events



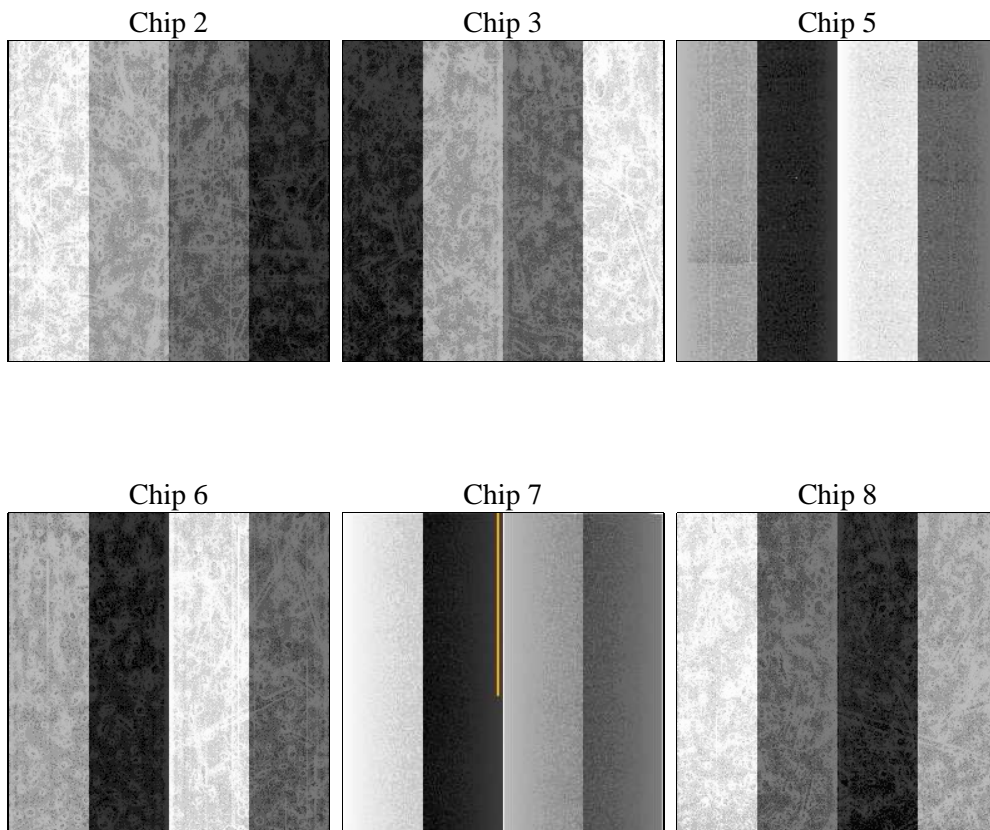
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	26455.884000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	26412.799901605	Sum of GTIs [s]
caldbver	4.4.8	 	ontime2	26409.558931321	Sum of GTIs [s]
date	2012-03-20T03:18:08	Date and time of file creation	ontime3	26412.799901605	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	26412.799901605	Sum of GTIs [s]
			ontime6	26412.799901605	Sum of GTIs [s]
			ontime7	26412.799901605	Sum of GTIs [s]
			ontime8	26409.559060842	Sum of GTIs [s]
			l1events	1534977	Number of level 1 events

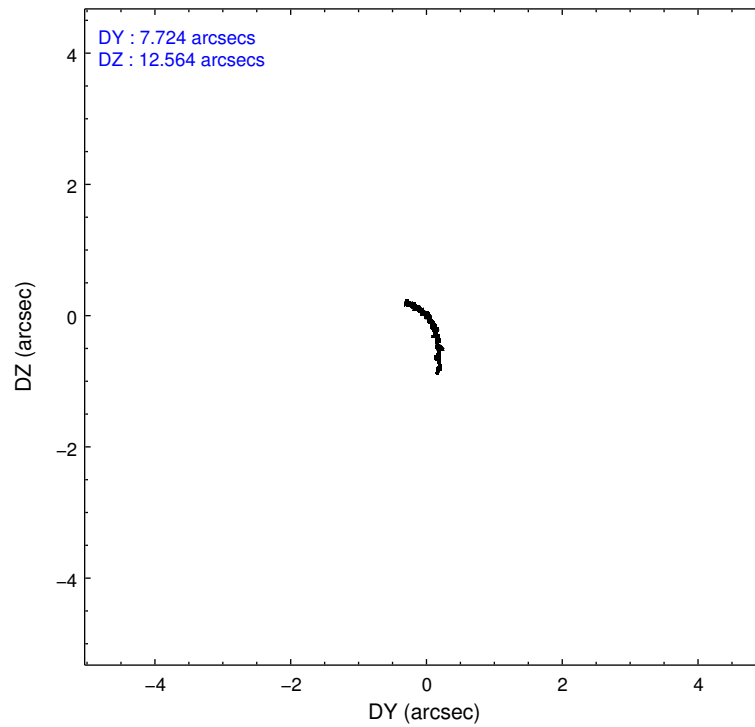
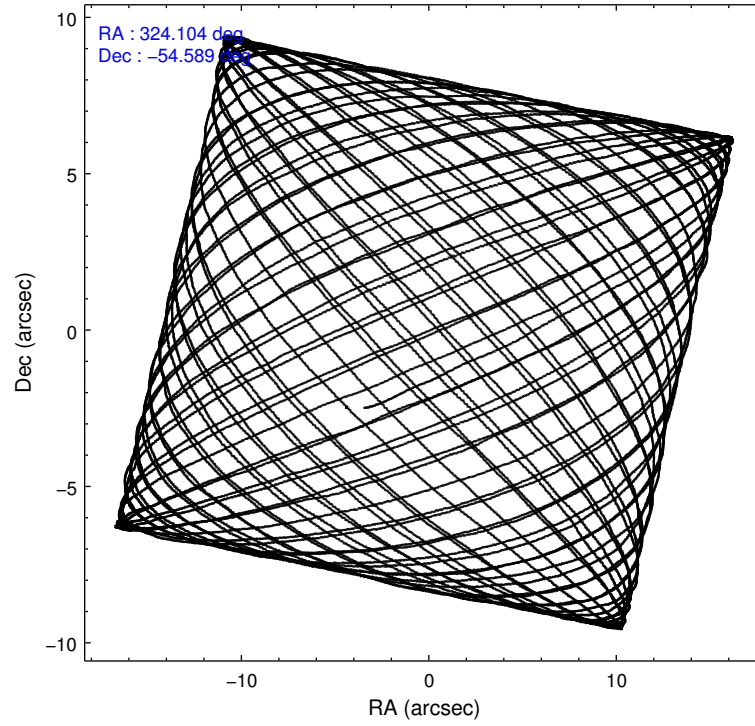
2.1.4 Events

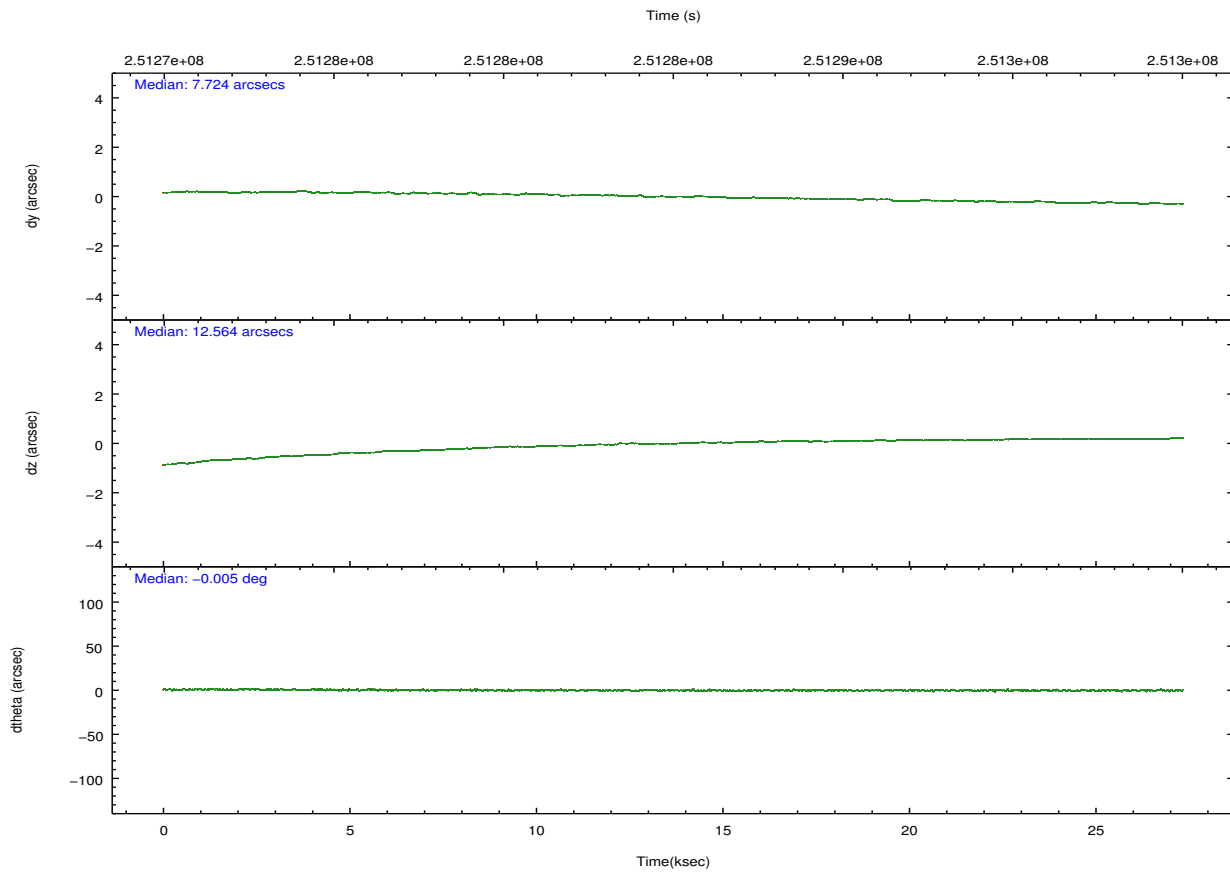
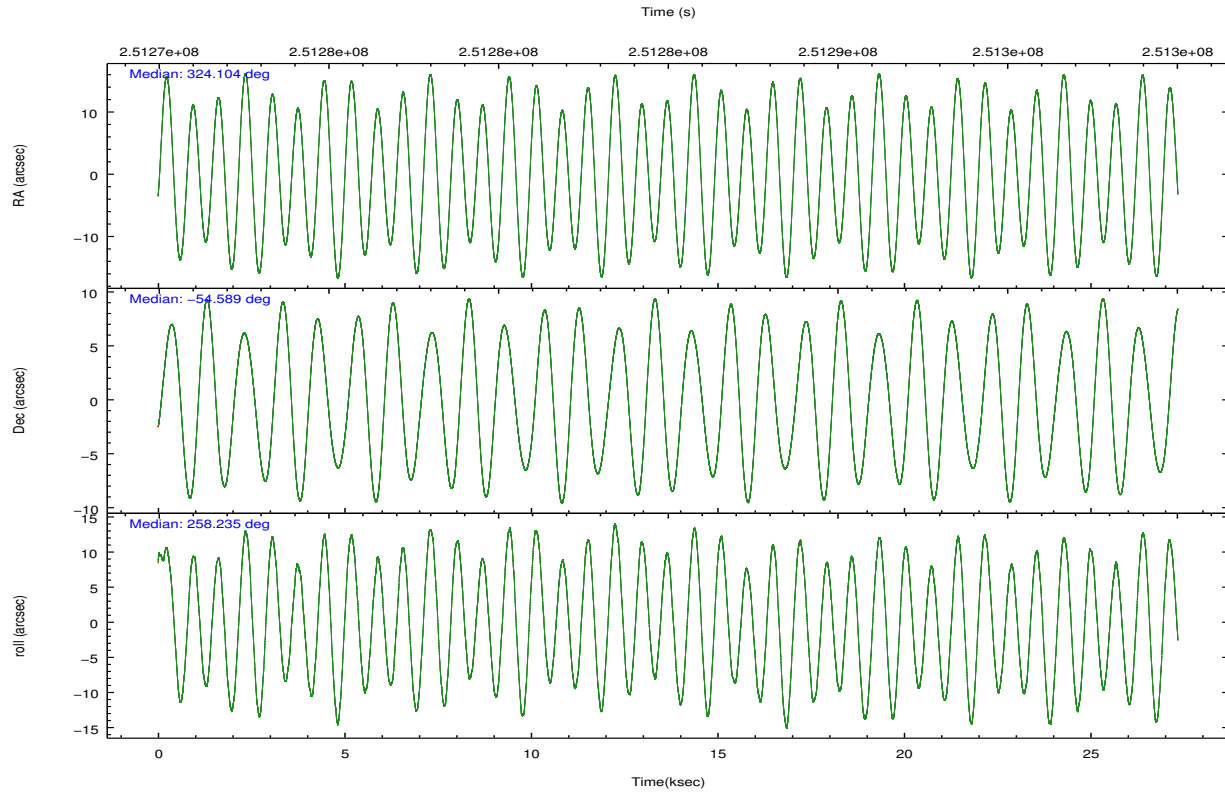
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	220149	206796	337301	210525	290601	269605	grade 0 events	11019	10699	26484	10228	11085	18557
rejected events	195376	182211	175846	184811	169399	210203		5%	5%	7%	4%	3%	6%
rejected %	88%	88%	52%	87%	58%	77%	grade 1 events	138	129	587	101	262	189
								0%	0%	0%	0%	0%	0%
							grade 2 events	5038	4739	45813	5381	24145	13144
								2%	2%	13%	2%	8%	4%
							grade 3 events	2264	2381	5745	2441	10724	6235
								1%	1%	1%	1%	3%	2%
							grade 4 events	2295	2406	5501	2486	10472	5805
								1%	1%	1%	1%	3%	2%
							grade 5 events	8105	9528	23389	9781	27547	12854
								3%	4%	6%	4%	9%	4%
							grade 6 events	4157	4364	77927	5182	64789	15670
								1%	2%	23%	2%	22%	5%
							grade 7 events	187133	172550	151855	174925	141577	197151
								85%	83%	45%	83%	48%	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	324.088988	324.1043292660752	Subarray requested	NONE	NONE
[deg] Pointing Dec	-54.563793	-54.58953626725449	Alternating exposures requested	N	N
[deg] Pointing Roll	258.074449	258.243573335798	[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)	251272203.184000	251270894.59836			
Observation start date	2005-12-18T05:48:59	2005-12-18T05:28:14			
[s] Observation end time (MET)	251298659.184000	251298880.68716			
Observation end date	2005-12-18T13:09:55	2005-12-18T13:14:40			
Read mode	TIMED	TIMED			

2.3 Aspect





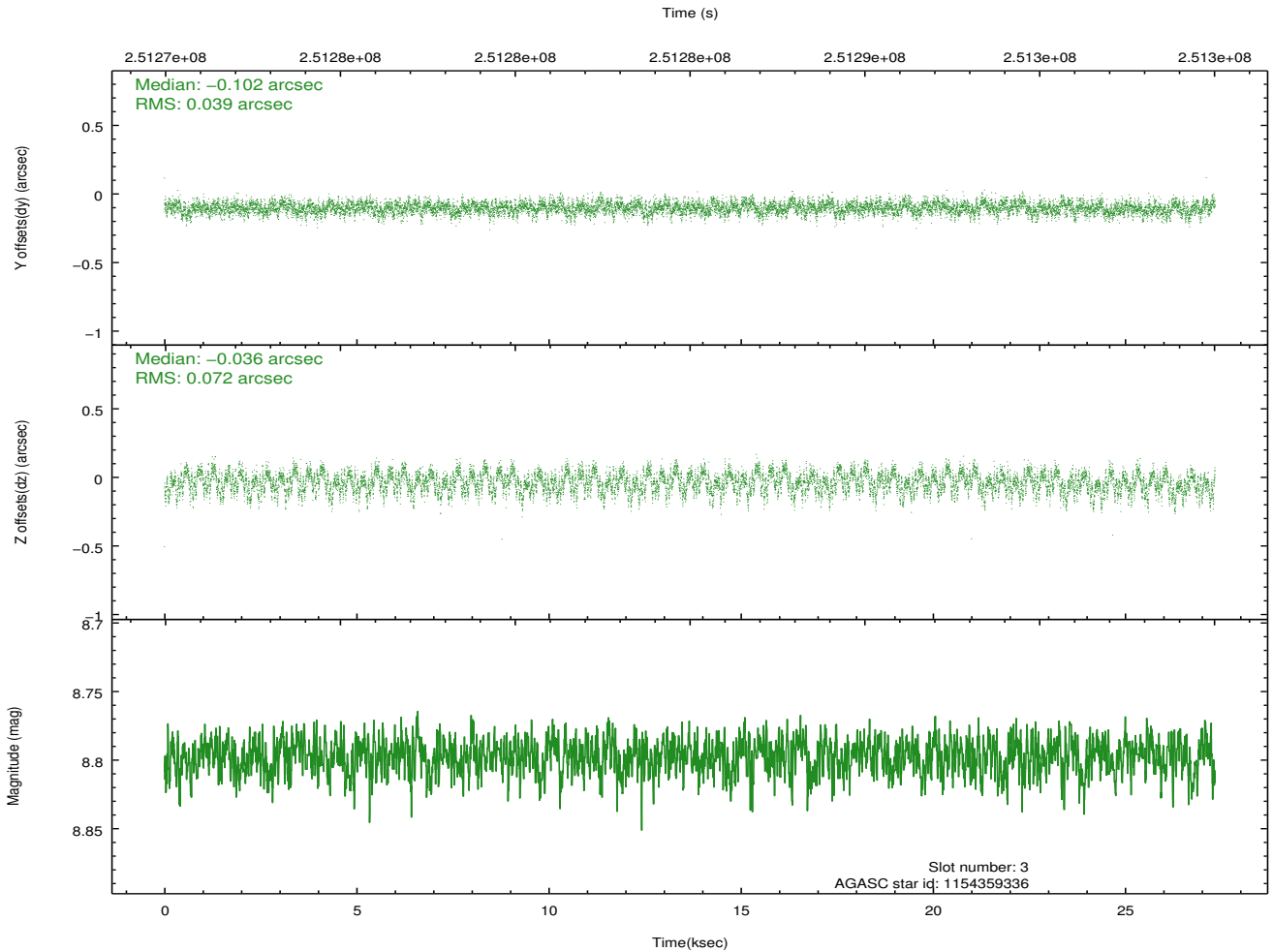
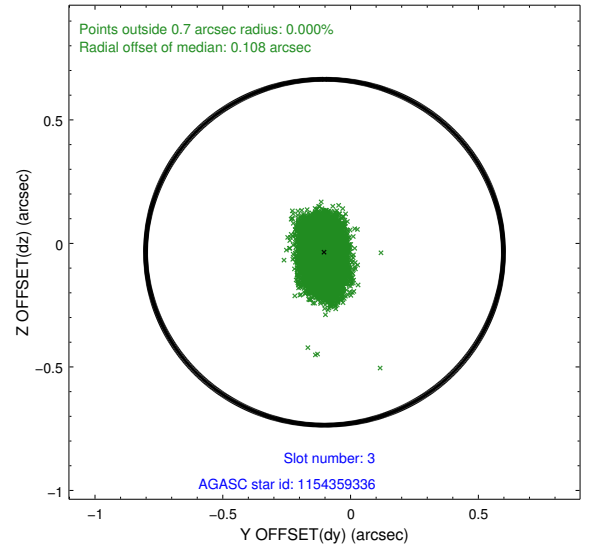
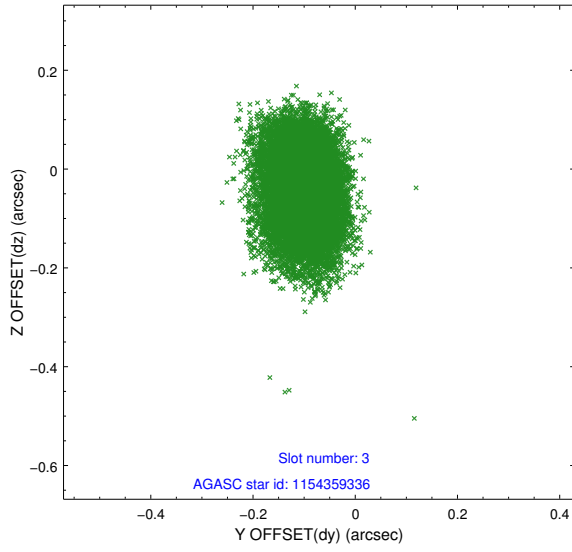
Slot Statistics

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	6668	0.050	-0.055	0.014	0.028	0.000000	0.000000	935.59	-1729.47
1	FID	ACIS-S-2	7.10	6667	-0.041	0.018	0.008	0.017	0.000000	0.000000	-760.35	-1734.03
2	FID	ACIS-S-6	7.35	6669	-0.028	0.046	0.015	0.025	0.000000	0.000000	401.15	811.88
3	GUIDE	1154359336	8.80	13329	-0.102	-0.036	0.086	0.144	323.363639	-54.155120	-1115.24	-1798.60
4	GUIDE	1154878360	9.04	13329	-0.004	-0.033	0.078	0.125	323.774719	-54.584360	209.91	-625.46
5	GUIDE	1154879464	8.72	13284	0.004	0.160	0.090	0.141	324.750957	-54.864580	782.63	1567.31
6	GUIDE	1154879520	9.34	13327	0.073	0.074	0.109	0.177	324.072340	-54.431264	-458.91	-132.22
7	GUIDE	1154882736	9.43	13331	0.030	-0.159	0.150	0.217	324.261985	-54.475323	-385.57	288.52

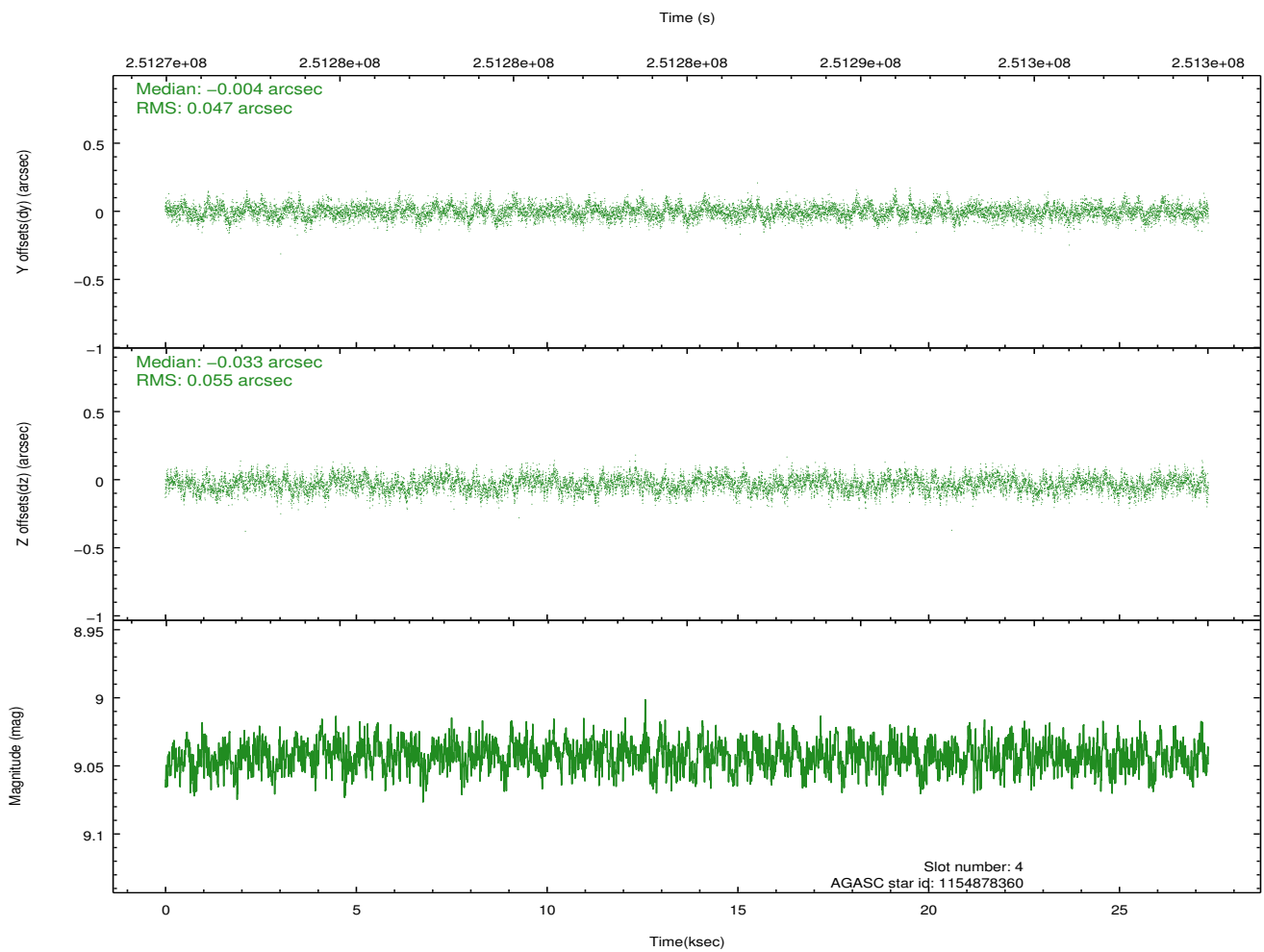
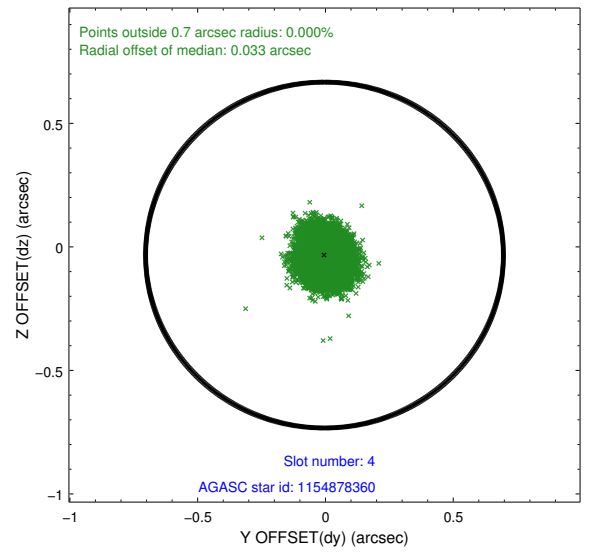
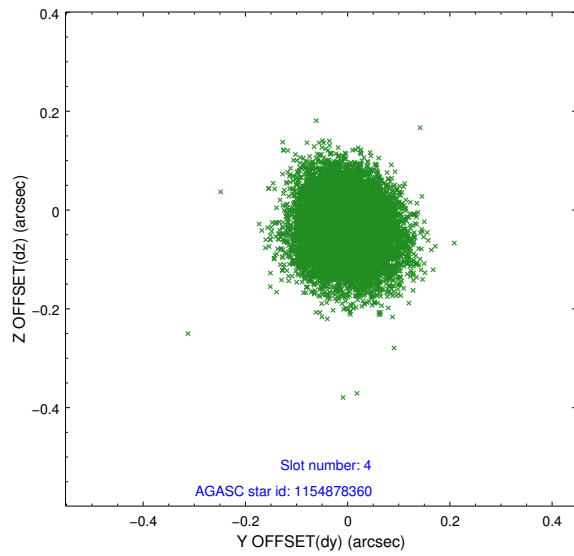
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2.4 Star Slots

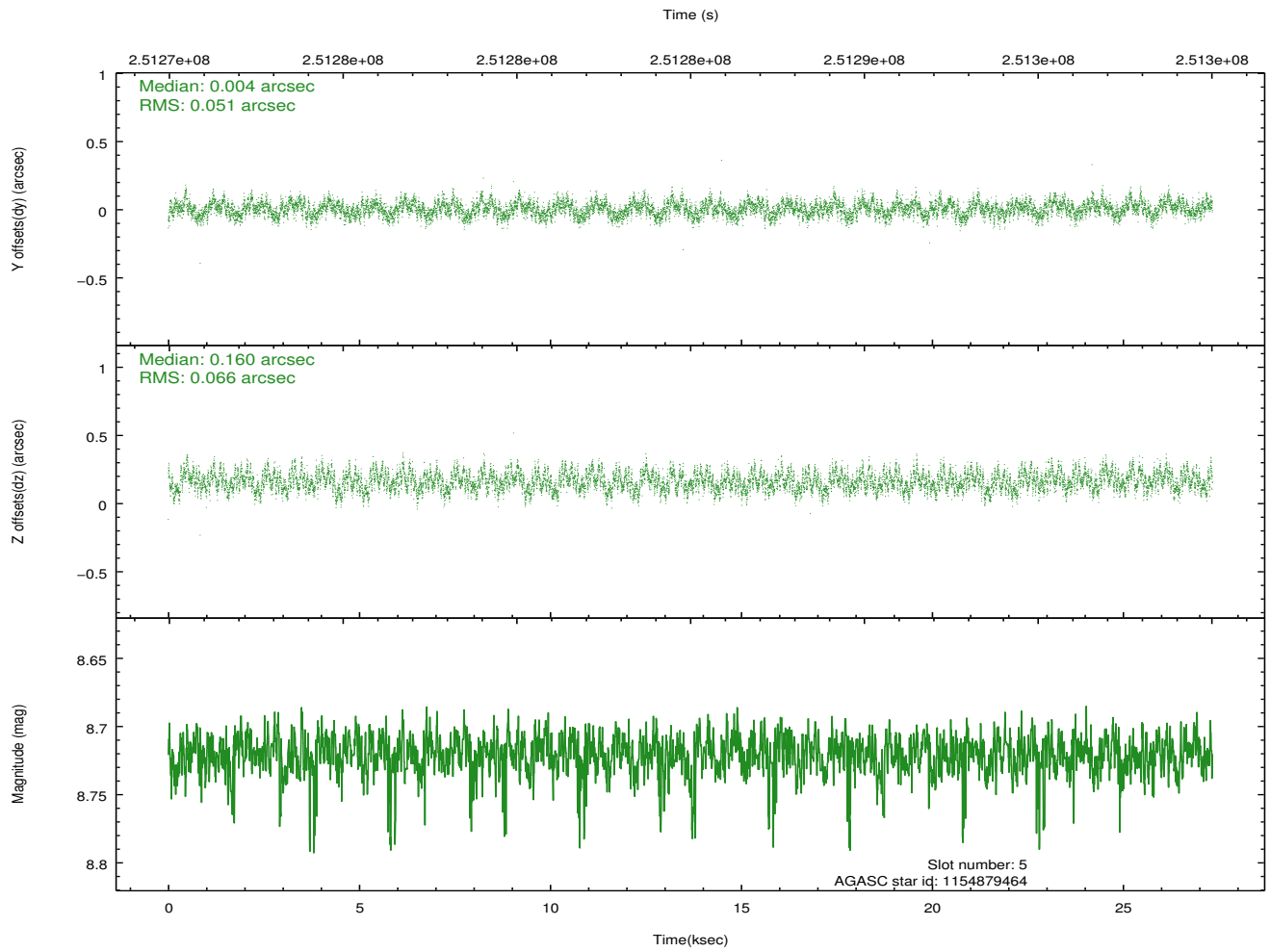
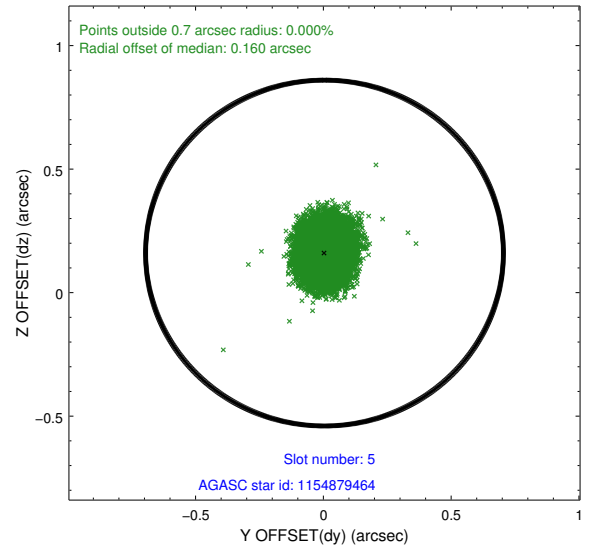
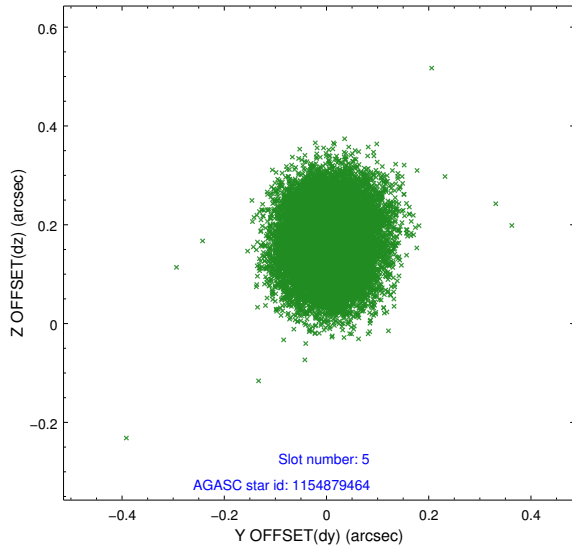
2.4.1 Slot 3



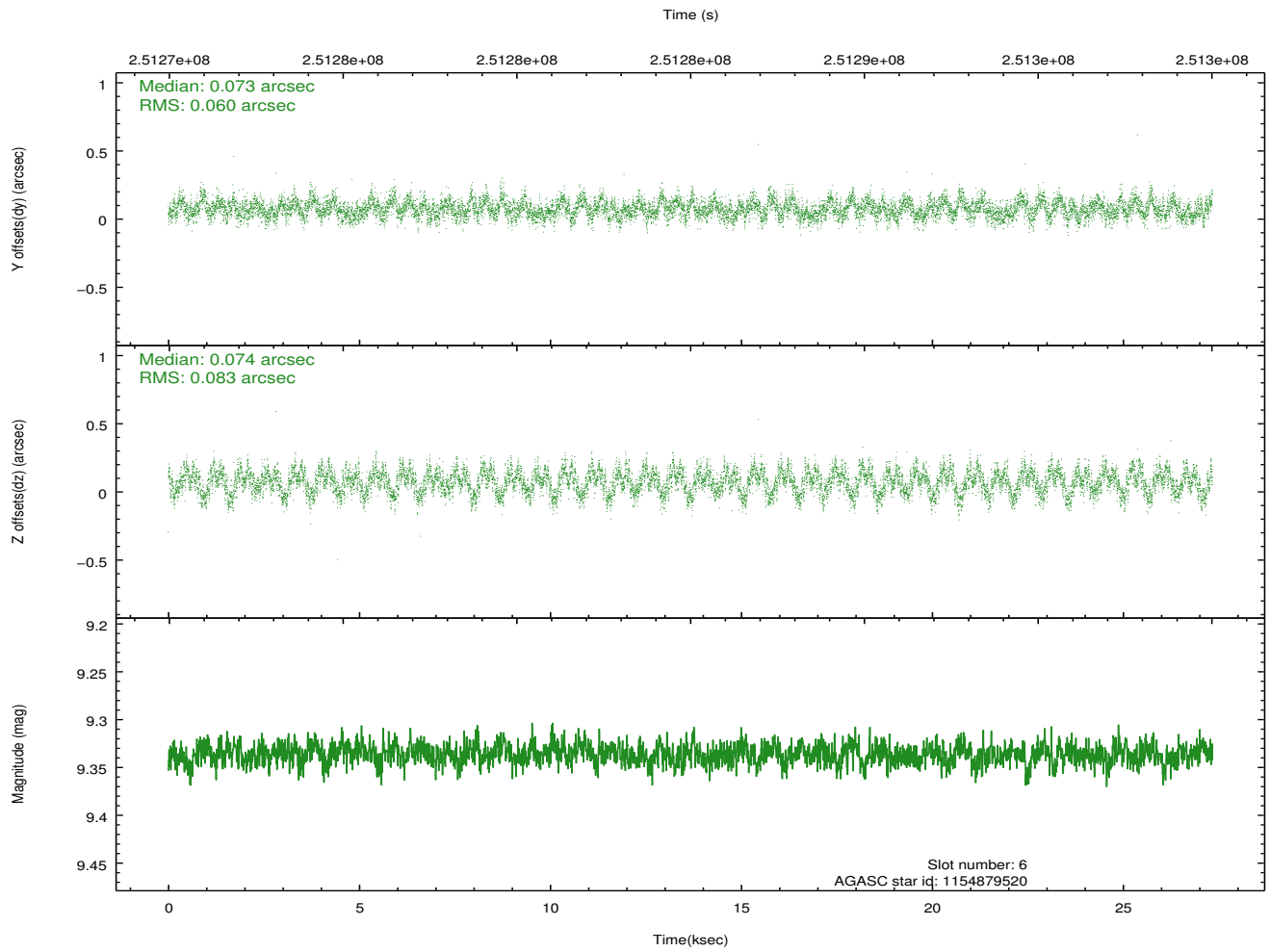
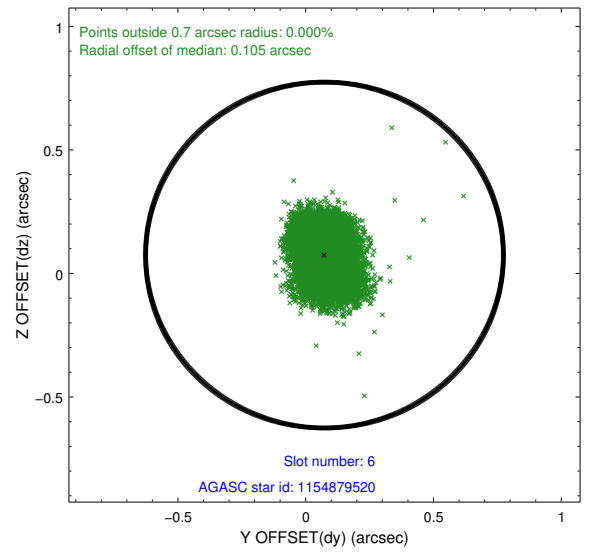
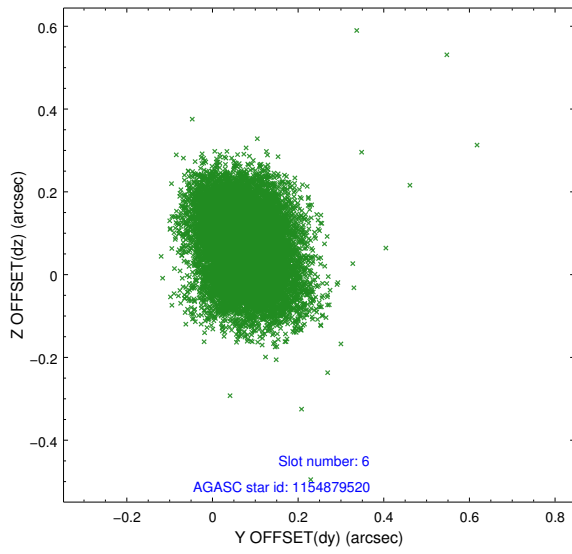
2.4.2 Slot 4



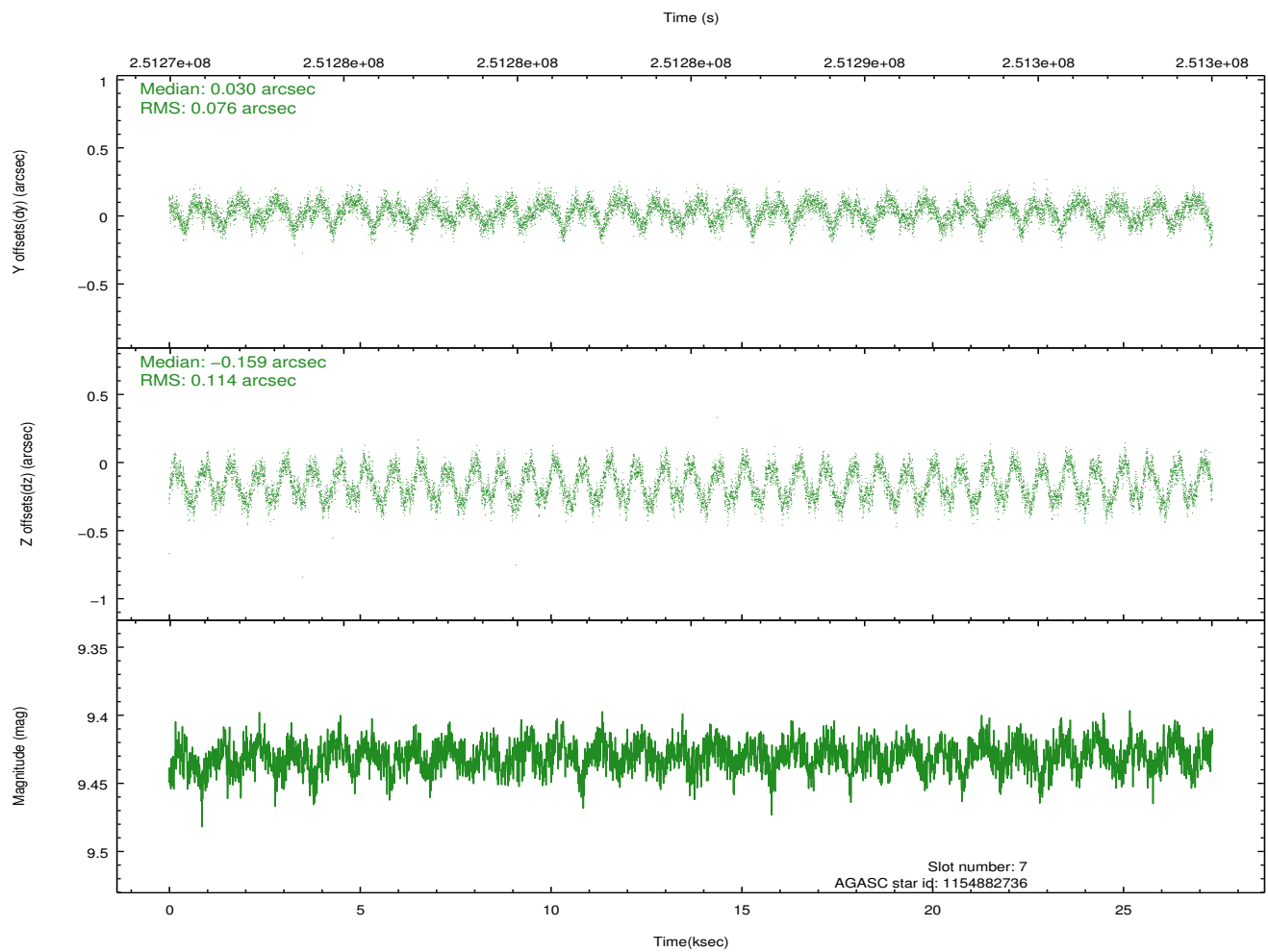
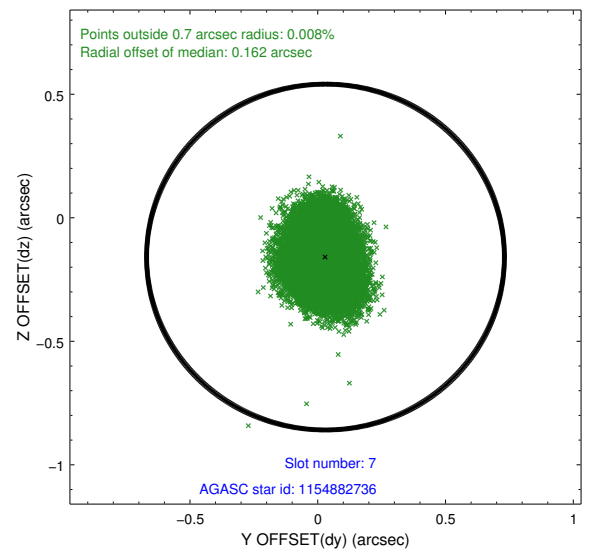
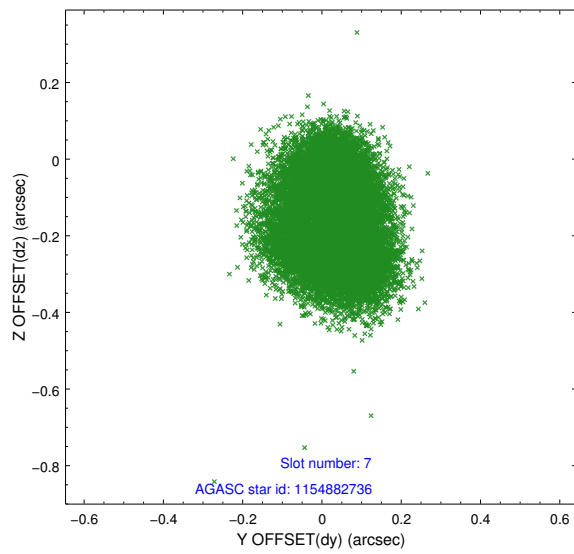
2.4.3 Slot 5



2.4.4 Slot 6

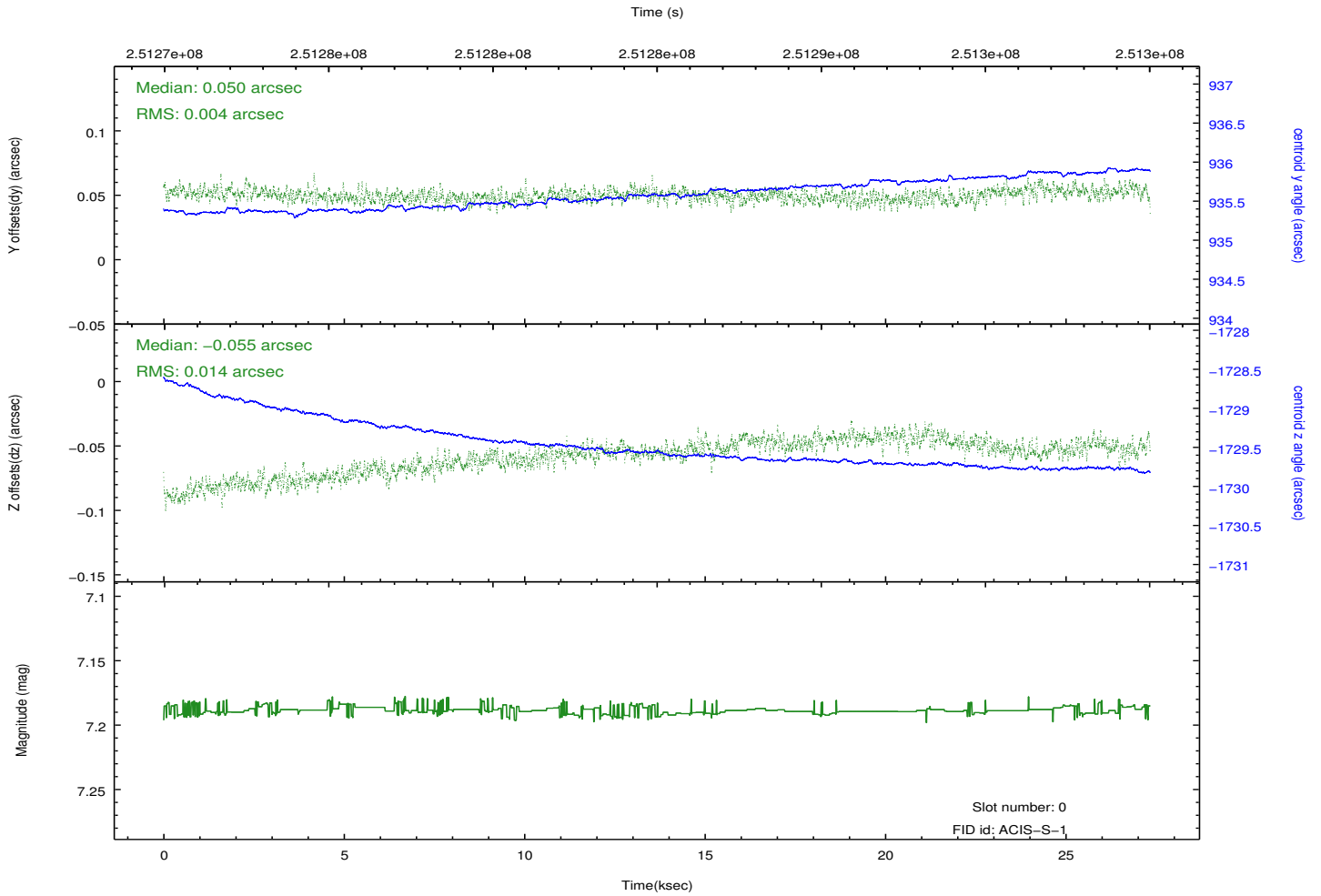
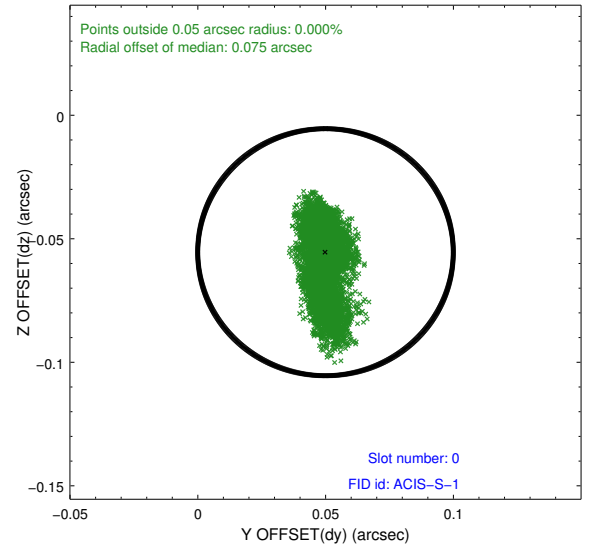
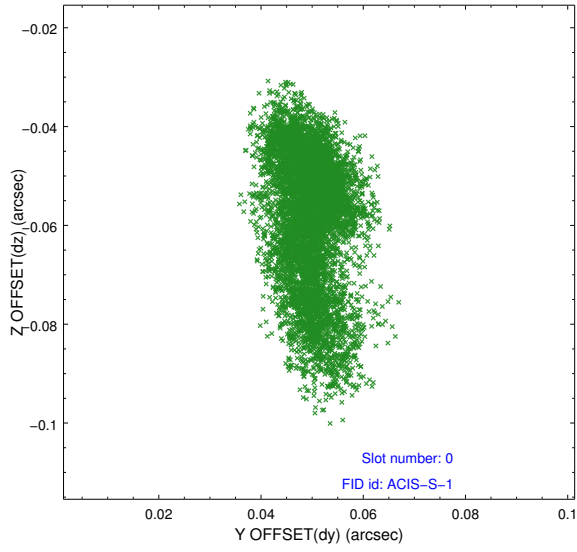


2.4.5 Slot 7

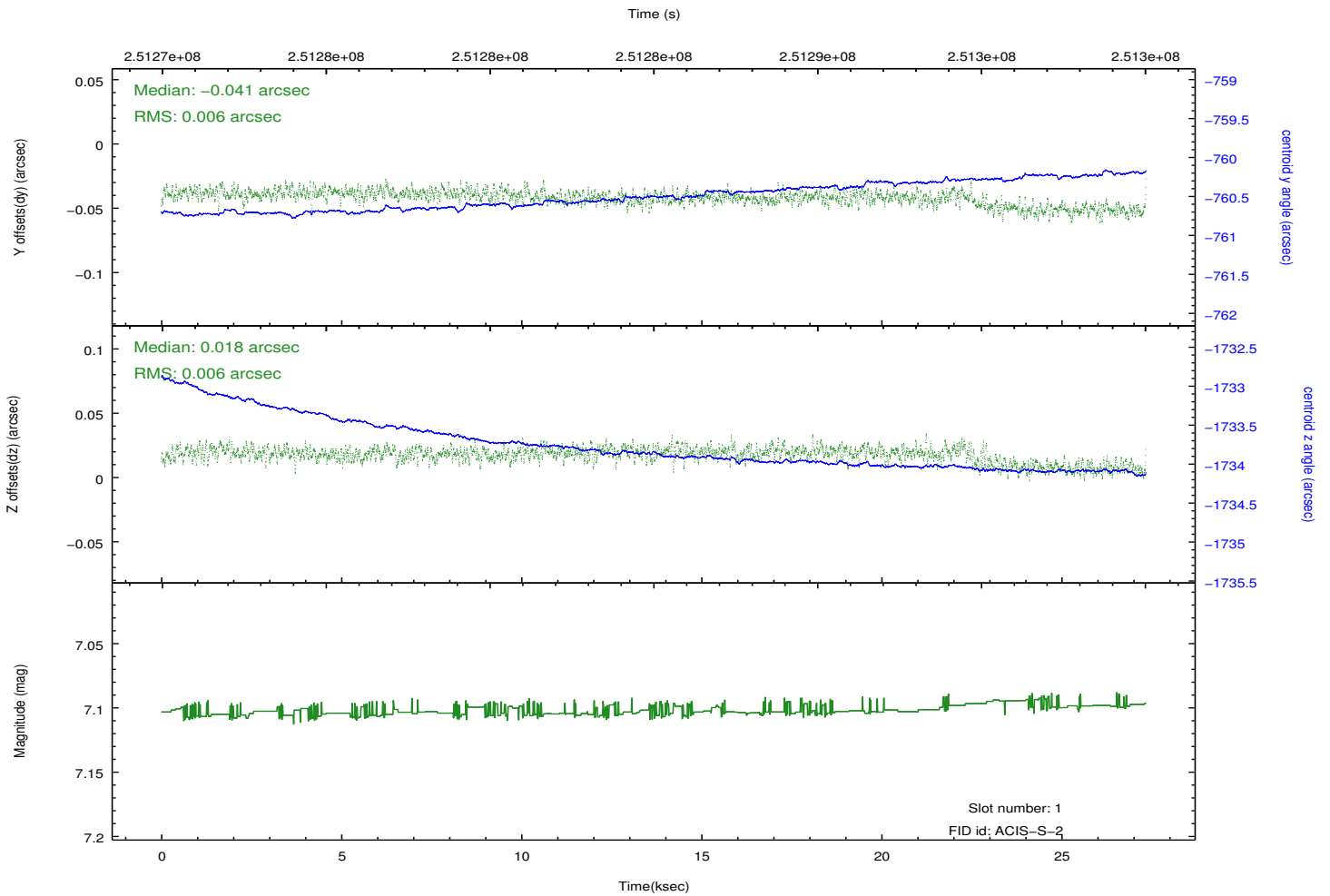
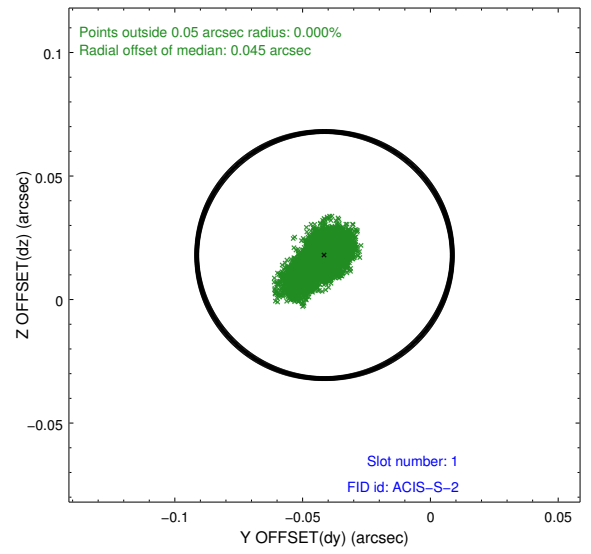
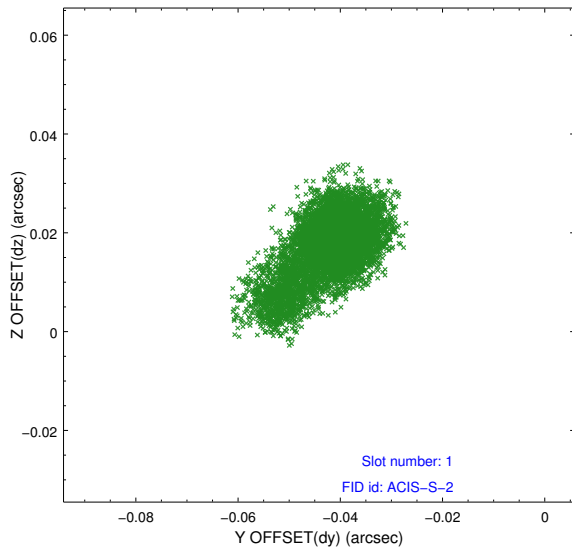


2.5 FID Slots

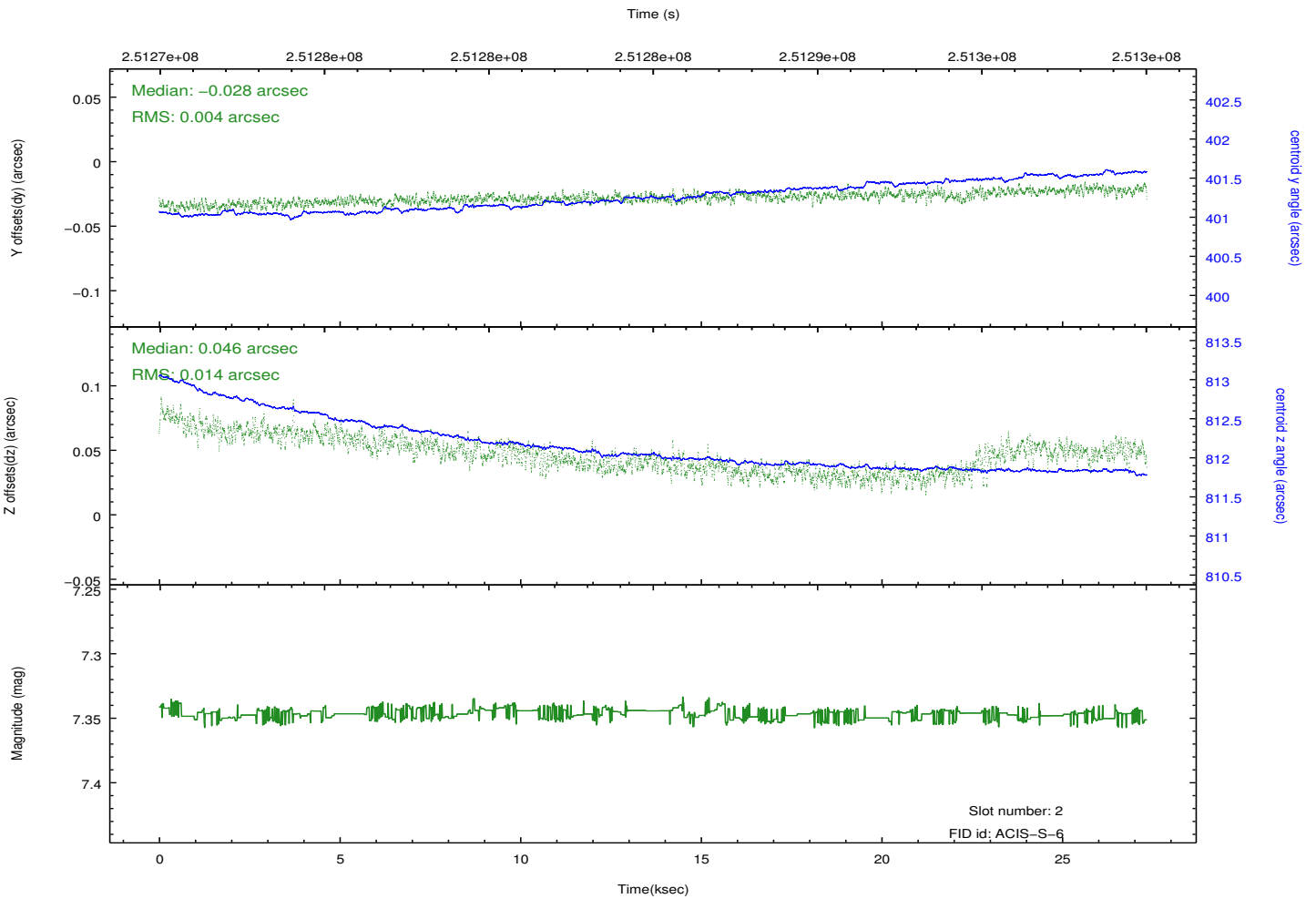
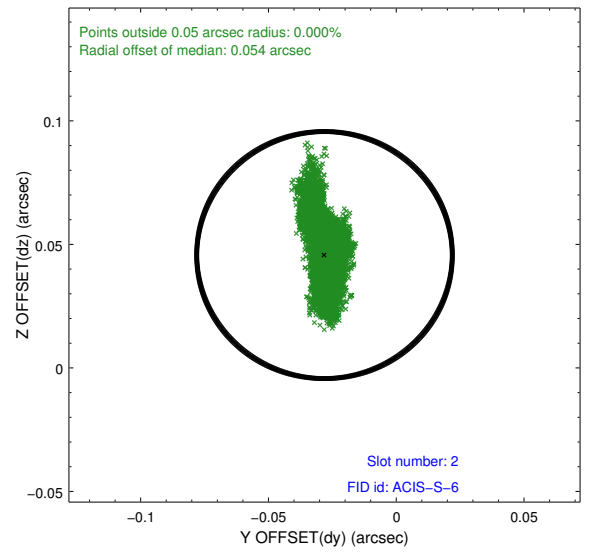
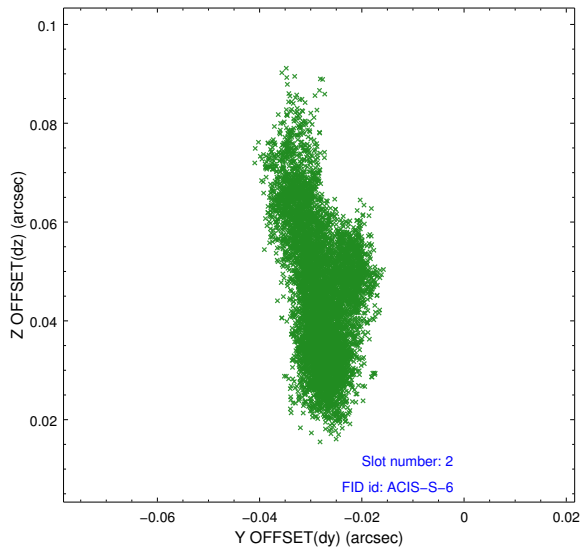
2.5.1 Slot 0



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)	2012.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.41279

A.2 Comments

ACIS focal plane temperature rises during the observation.