

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10123 - L2 Version 2
Chandra X-Ray Center

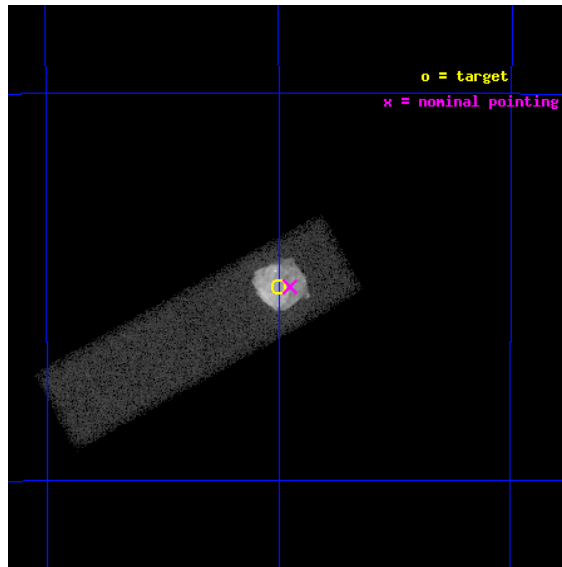
L2 Processing Date : Jun 10 2012

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1 Front

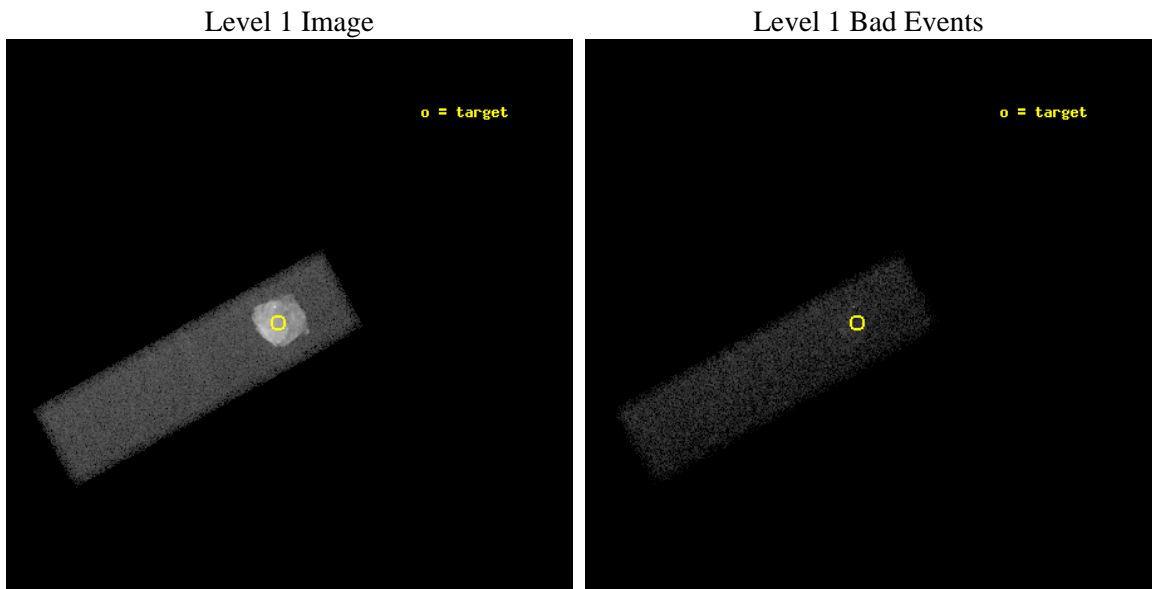
seq_num	501050	Sequence number
obs_id	10123	Observation id
title	A Deep Chandra Observation of Supernova Remnant N49 in the LMC	Pro
observer	DR. Sangwook Park	Principal investigator
object	N49	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	81.5	Observer's specified target RA [deg]
dec_targ	-66.083333	Observer's specified target Dec [deg]
ra_nom	81.488071939434	Nominal RA [deg]
dec_nom	-66.083584886406	Nominal Dec [deg]
roll_nom	151.14572466528	Nominal Roll [deg]
revision	2	Processing version of data
ontime	28180.000419974	Sum of GTIs [s]
livetime	26804.908608365	Livetime [s]
ontime7	28180.000419974	Sum of GTIs [s]
l2events	215104	Number of level 2 events



2 OBI

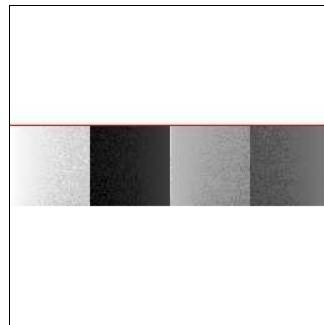
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	28180.000419974	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	28180.000419974	Sum of GTIs [s]
date	2012-06-10T12:27:47	Date and time of file creation	l1events	282758	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

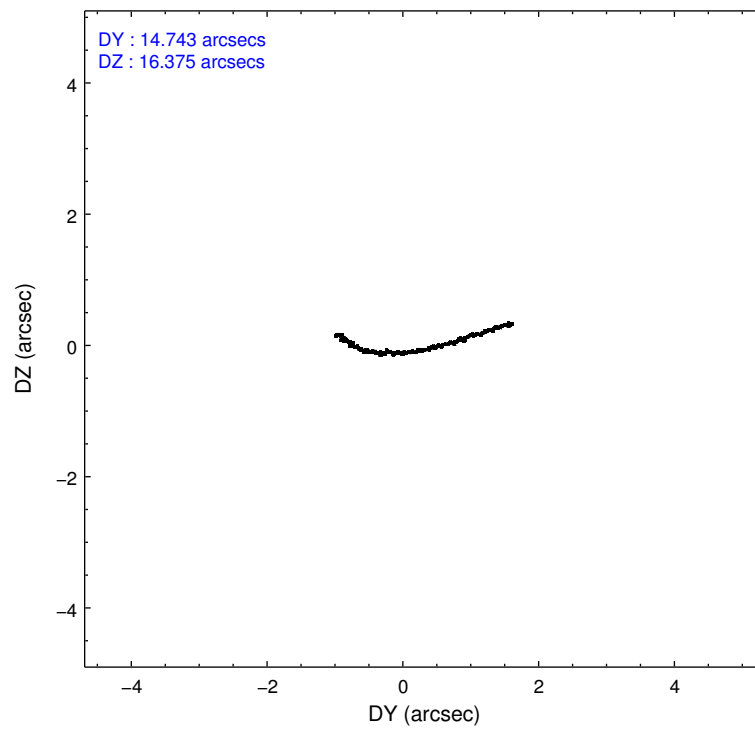
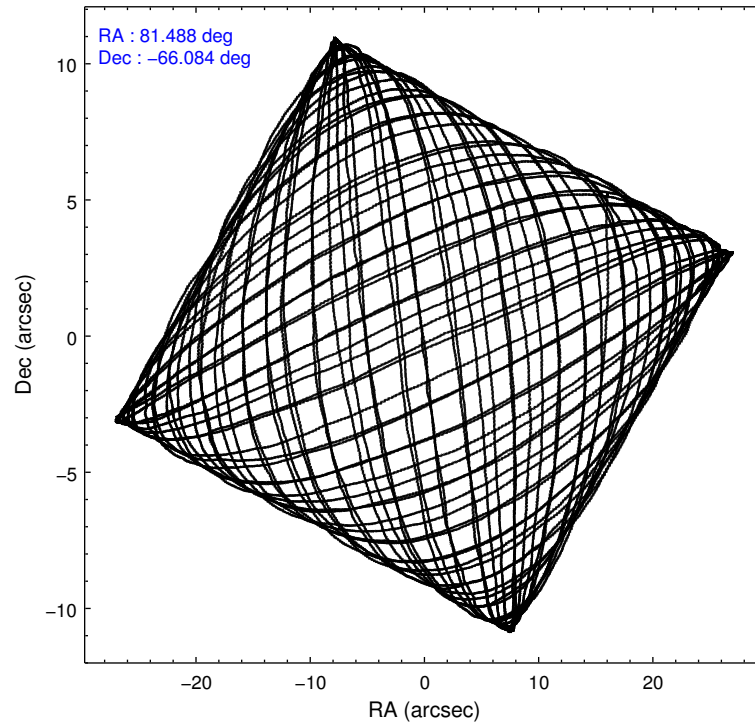
	ccd 7
level 1 events	282758
rejected events	62474
rejected %	22%

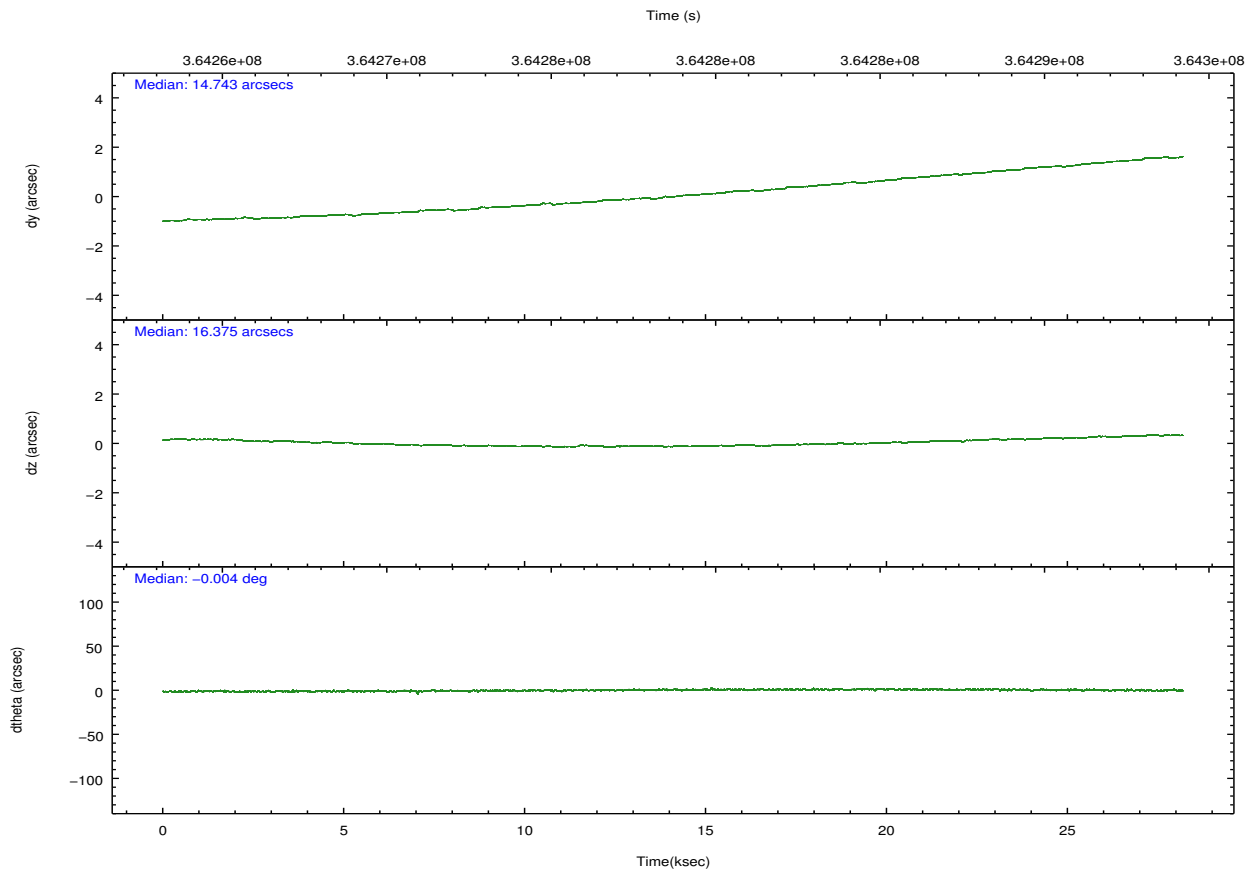
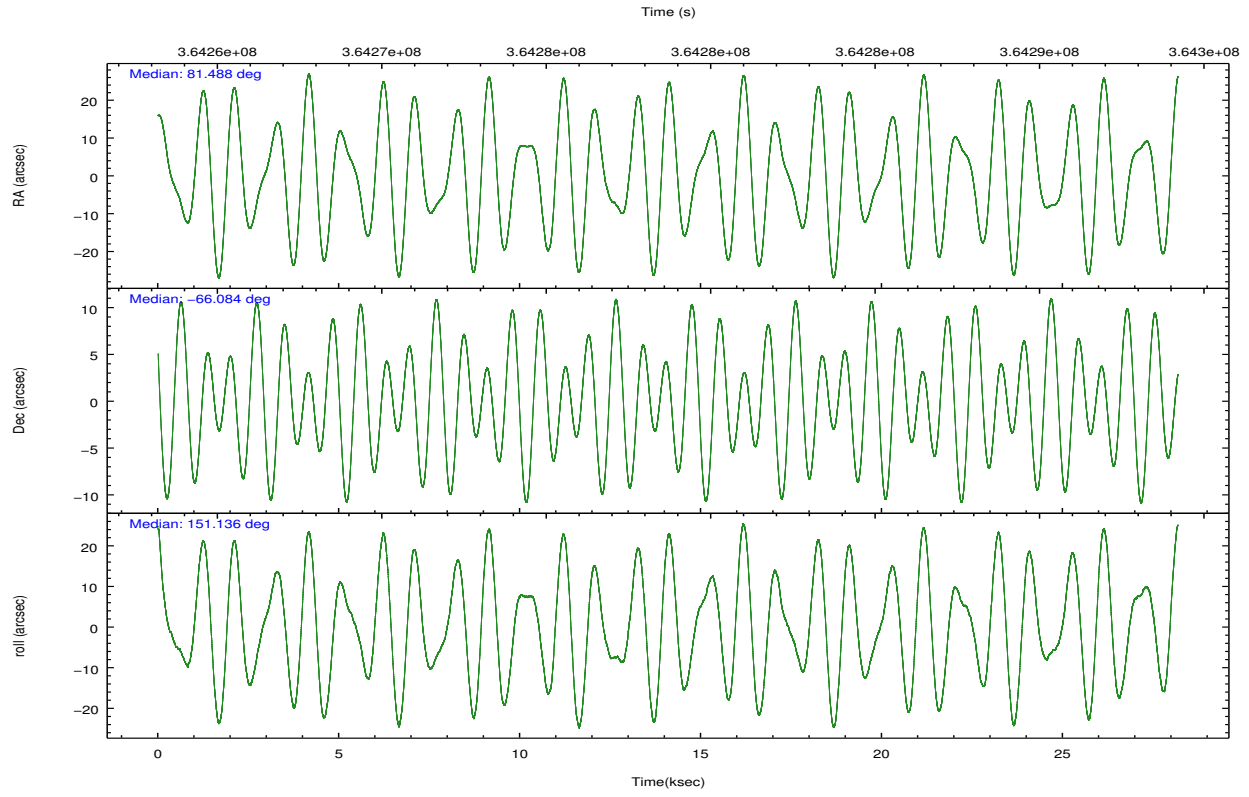
	ccd 7
grade 0 events	60679
	21%
grade 1 events	245
	0%
grade 2 events	57260
	20%
grade 3 events	26610
	9%
grade 4 events	25879
	9%
grade 5 events	11595
	4%
grade 6 events	51174
	18%
grade 7 events	49316
	17%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	81.555456	81.48807193943361	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-66.082634	-66.0835848864063	Subarray start row	385	385
[deg] Pointing Roll	151.050693	151.1457246652782	Subarray row count	256	256
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	364264802.184000	364264004.69873			
Observation start date	2009-07-18T00:38:56	2009-07-18T00:26:44			
[s] Observation end time (MET)	364292802.184000	364293811.70022			
Observation end date	2009-07-18T08:25:36	2009-07-18T08:43:31			
Read mode	TIMED	TIMED			

2.3 Aspect



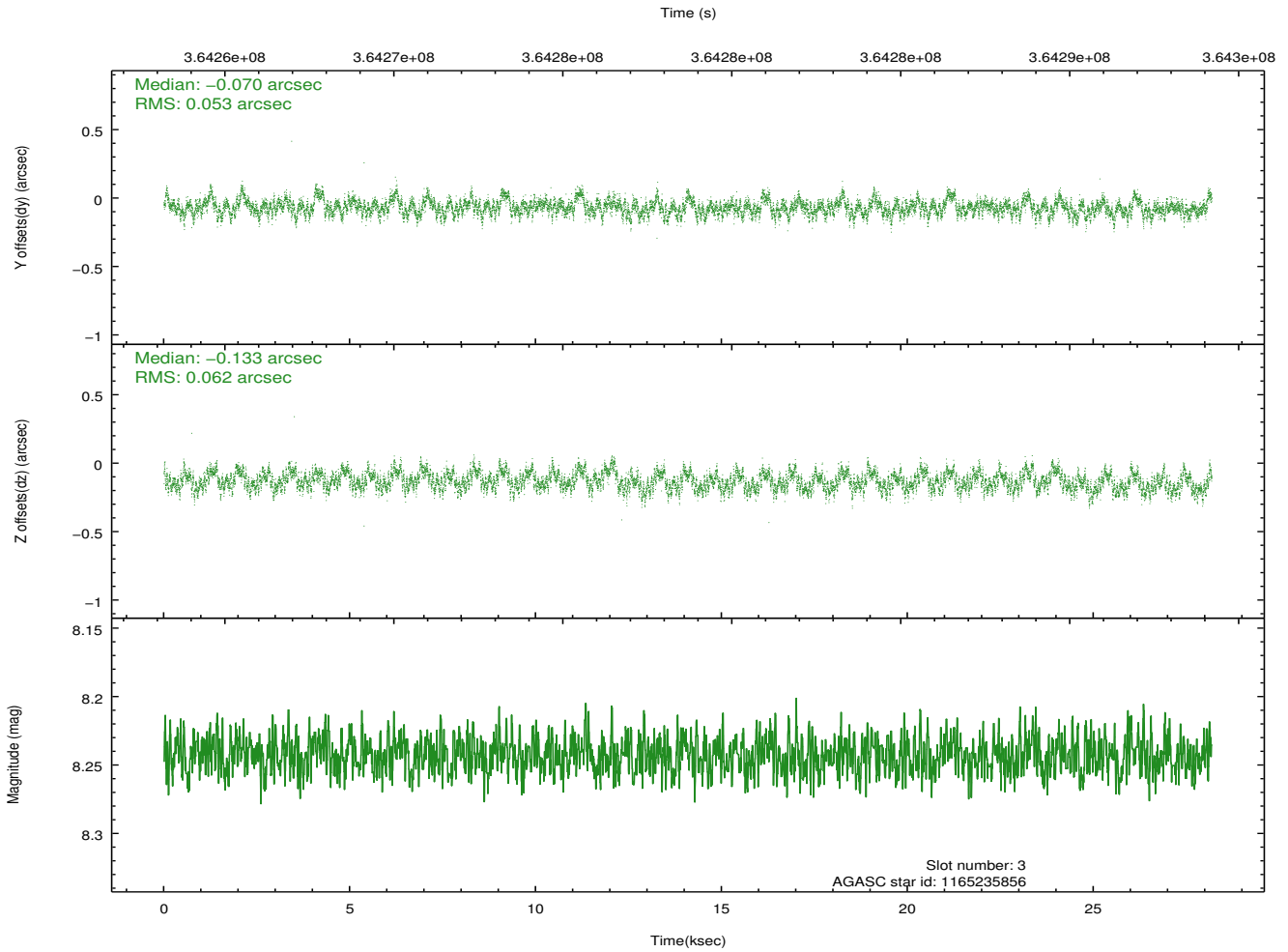
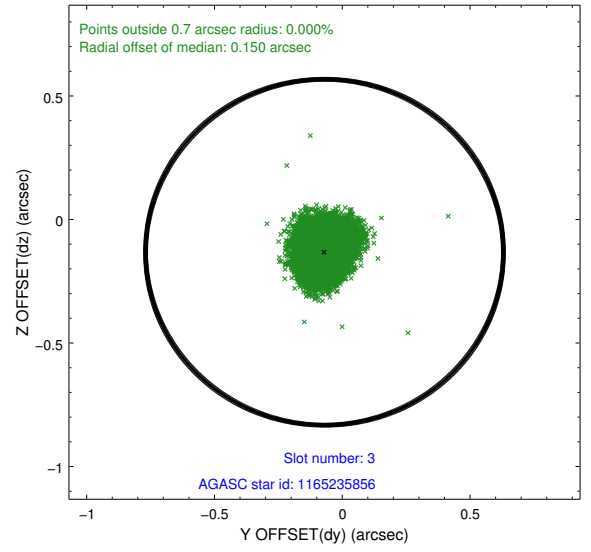
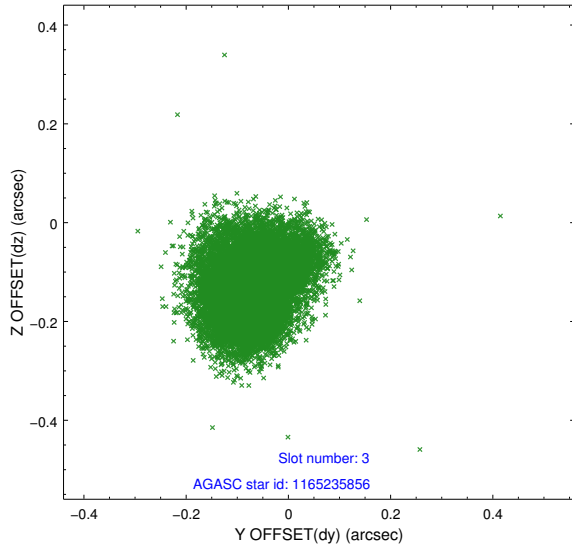


Slot Statistics

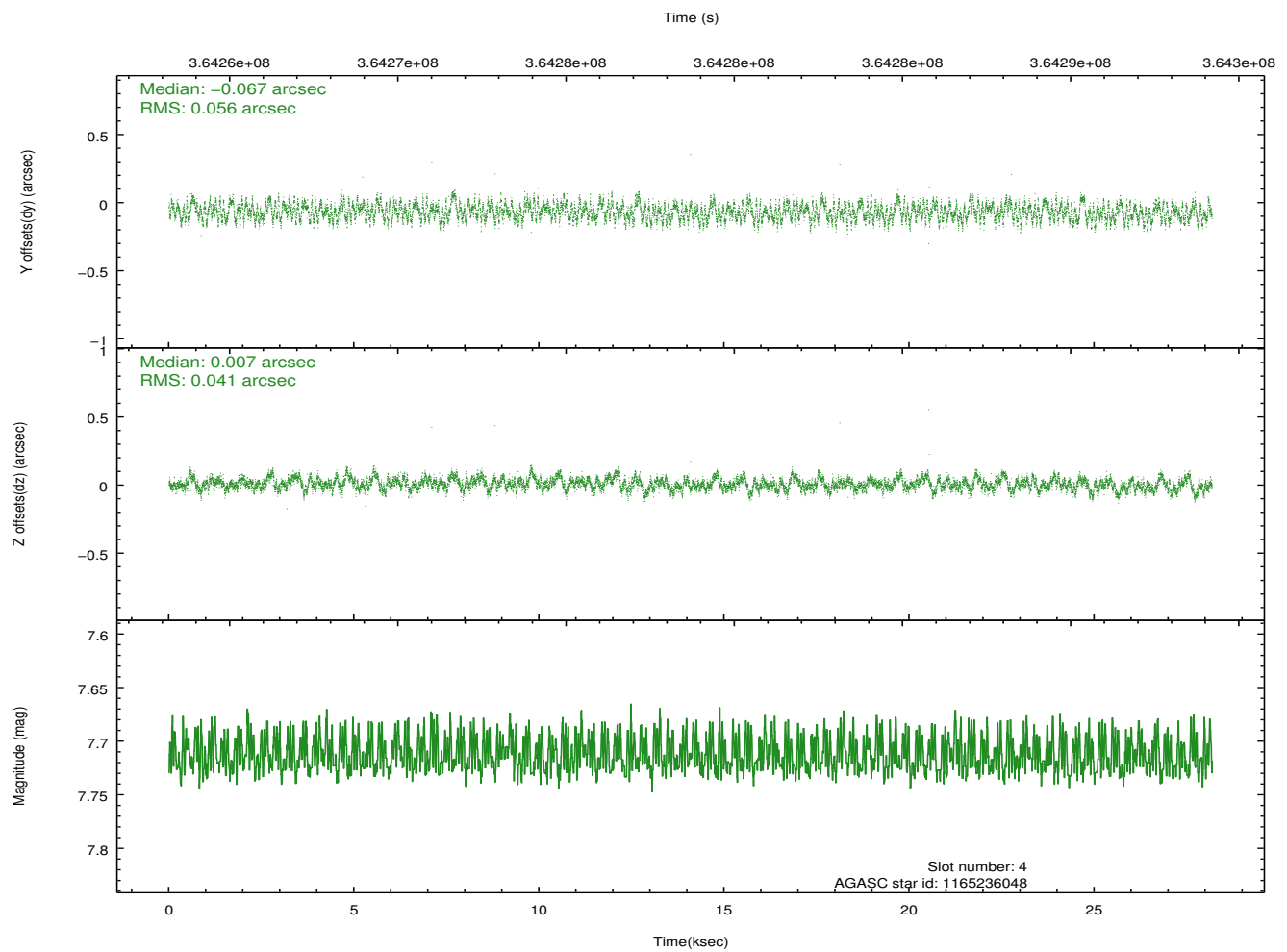
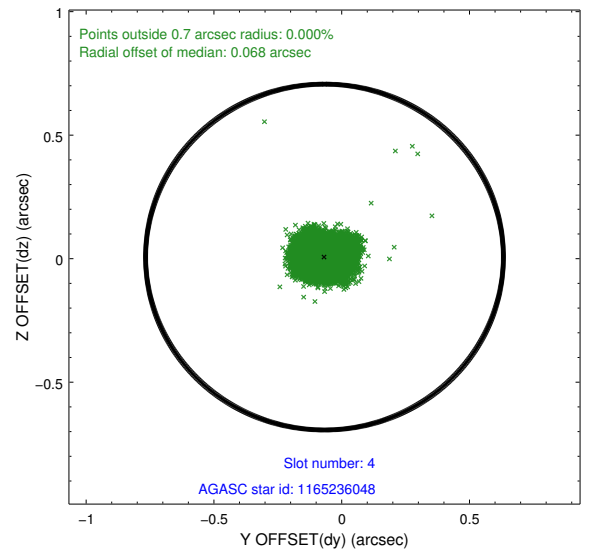
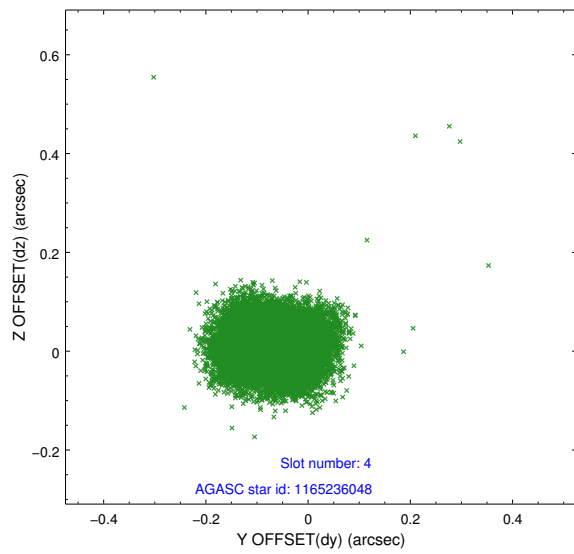
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	6874	-0.014	-0.028	0.015	0.024	0.000000	0.000000	-767.85	-1737.85
1	FID	ACIS-S-5	7.01	6874	-0.103	-0.009	0.027	0.054	0.000000	0.000000	-1821.08	164.06
2	FID	ACIS-S-6	7.11	6874	0.087	0.045	0.018	0.044	0.000000	0.000000	393.77	808.10
3	GUIDE	1165235856	8.24	13742	-0.070	-0.133	0.087	0.139	79.957487	-66.443092	1369.31	2274.11
4	GUIDE	1165236048	7.71	13745	-0.067	0.007	0.075	0.115	80.001541	-66.057801	2016.60	1045.41
5	GUIDE	1165382424	8.36	13740	-0.091	-0.087	0.092	0.136	82.355152	-66.439036	-1631.22	571.94
6	GUIDE	1164717768	9.75	13732	0.311	-0.140	0.182	0.306	80.983833	-65.171015	2342.75	-2450.10
7	GUIDE	1165374200	9.85	13659	-0.084	0.351	0.176	0.281	83.207893	-65.682736	-1461.32	-2417.18

2.4 Star Slots

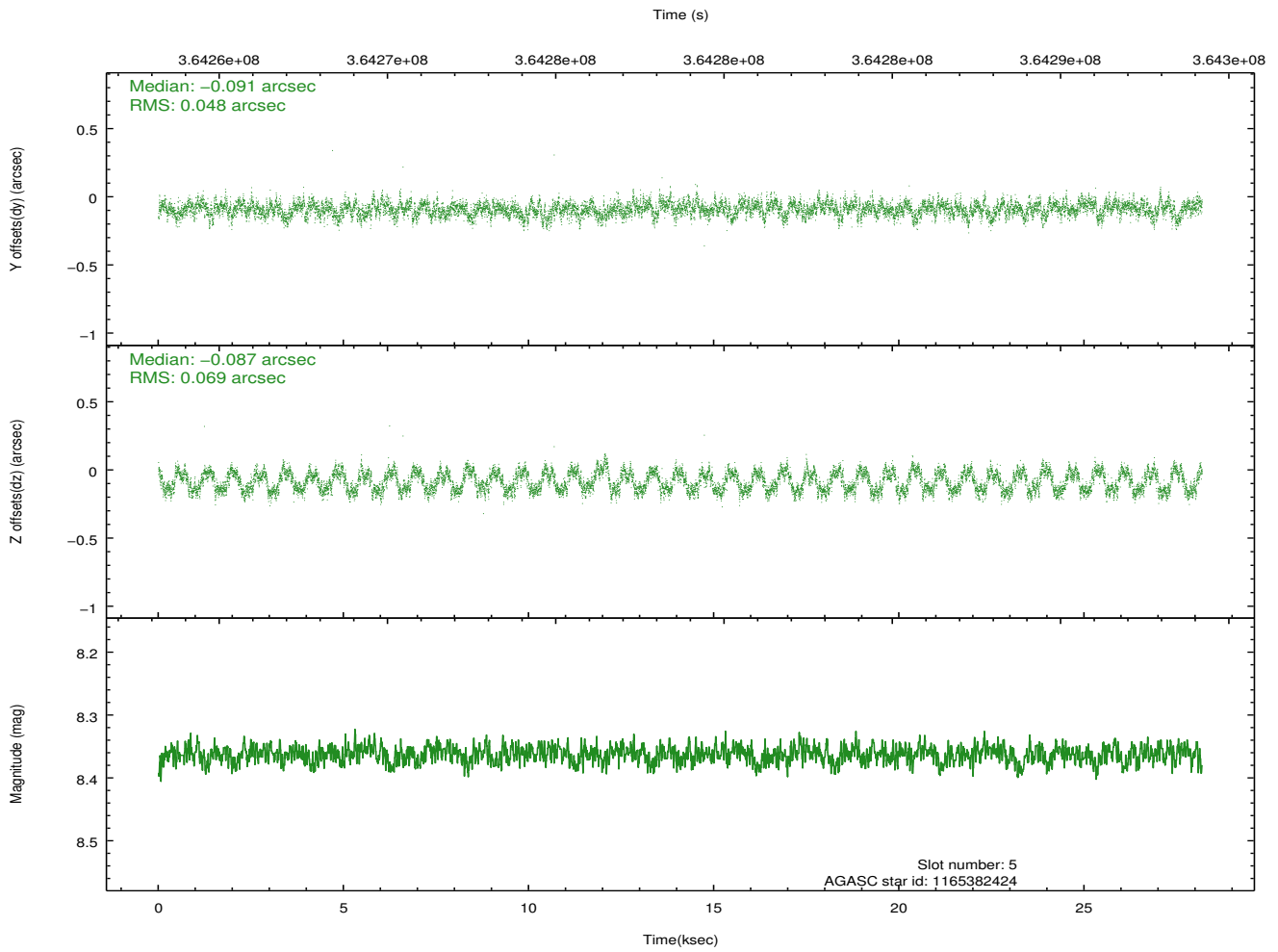
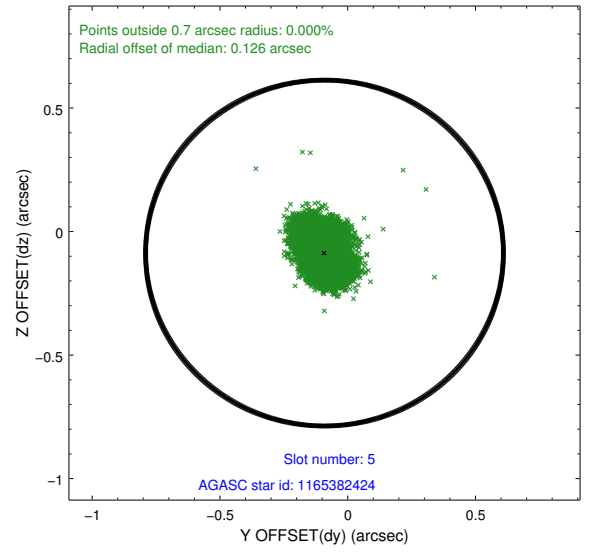
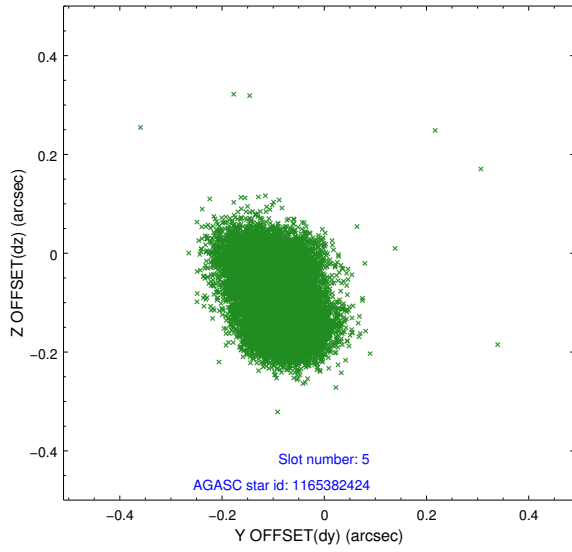
2.4.1 Slot 3



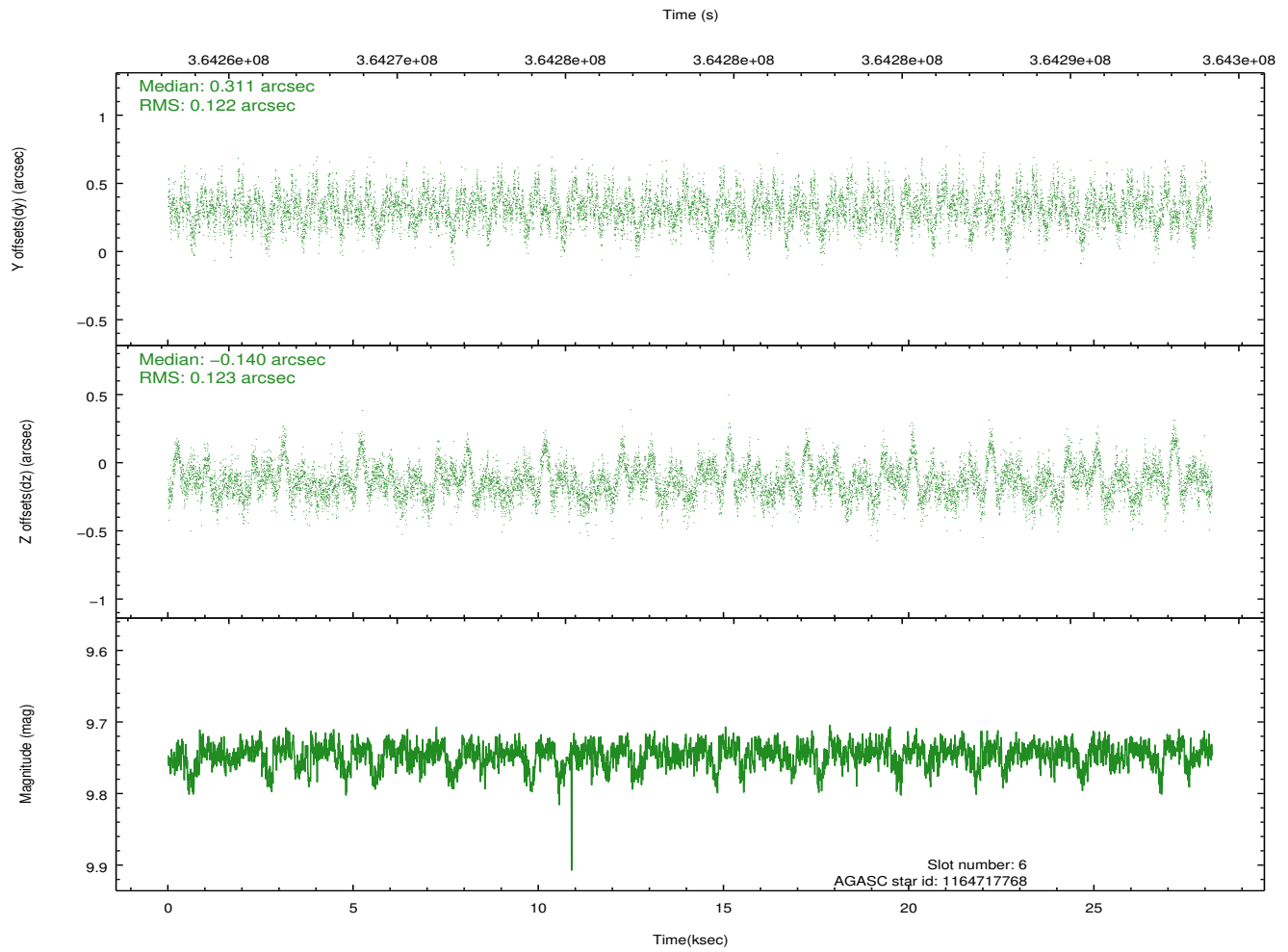
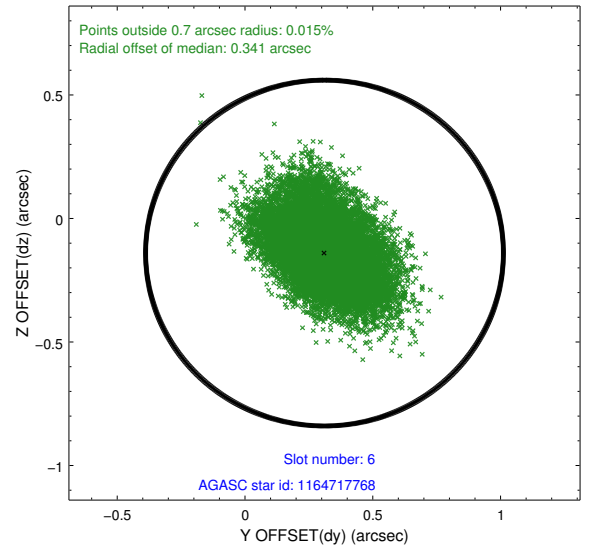
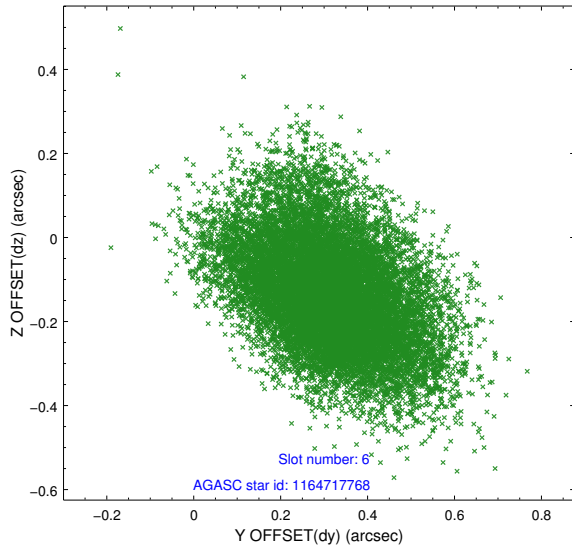
2.4.2 Slot 4



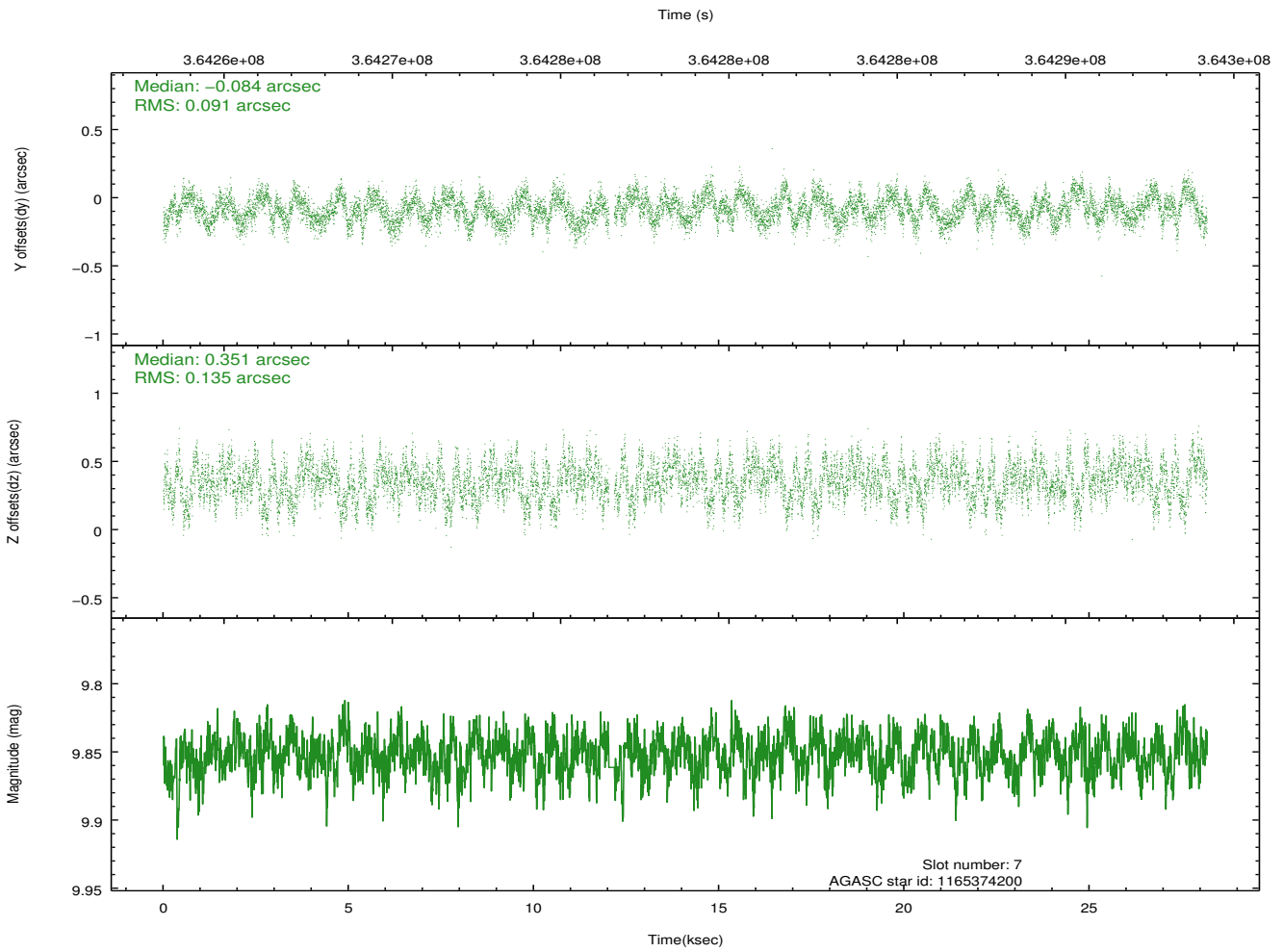
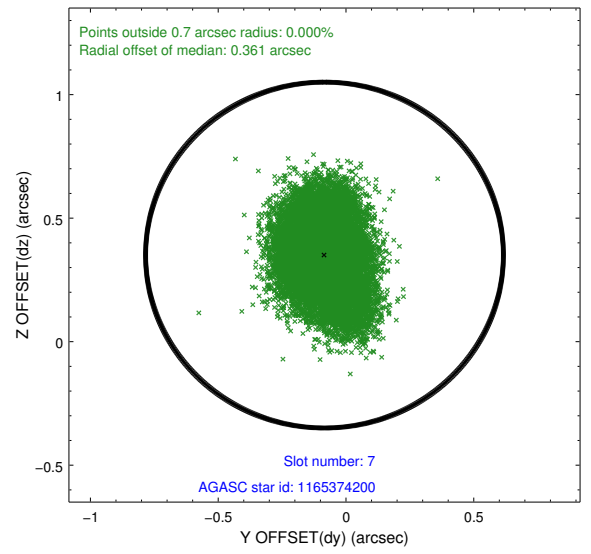
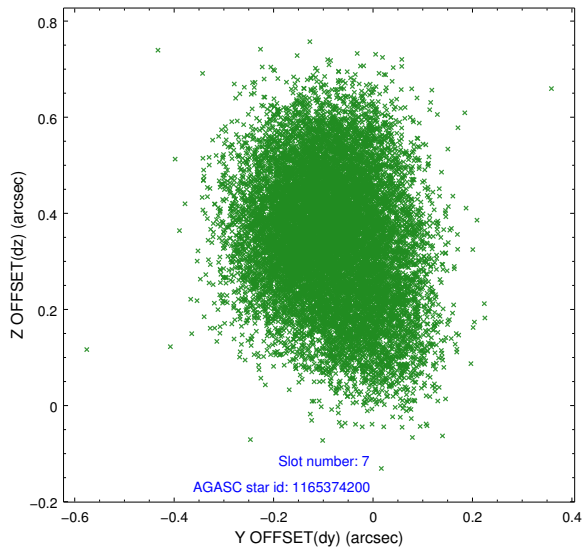
2.4.3 Slot 5



2.4.4 Slot 6

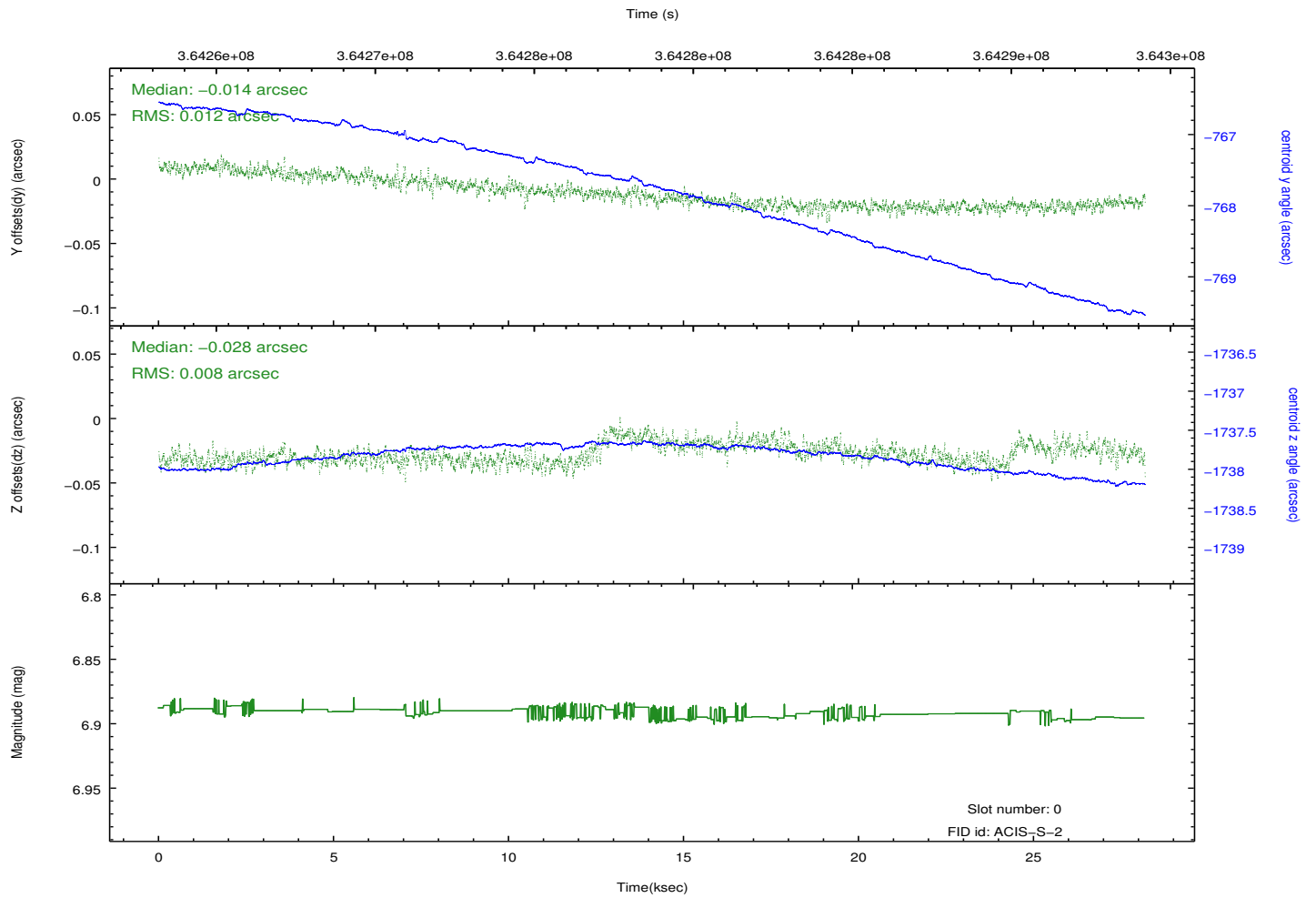
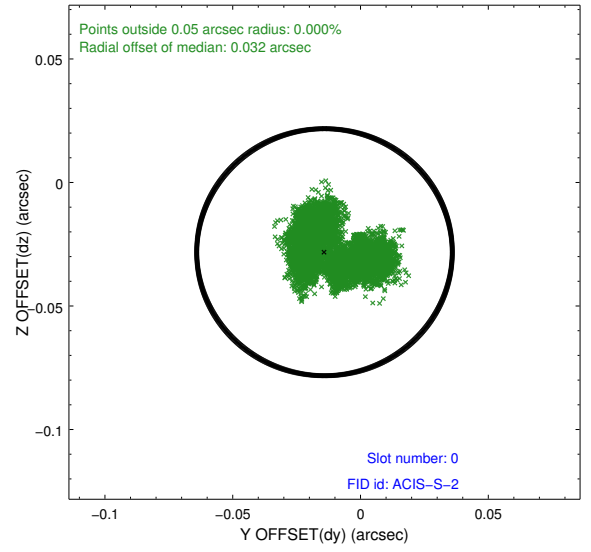
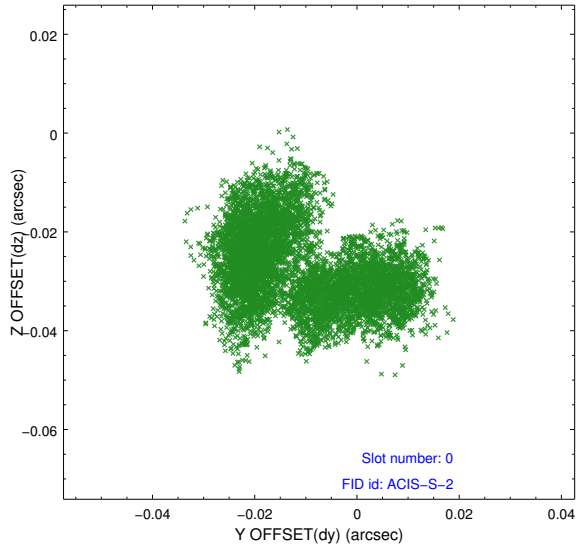


2.4.5 Slot 7

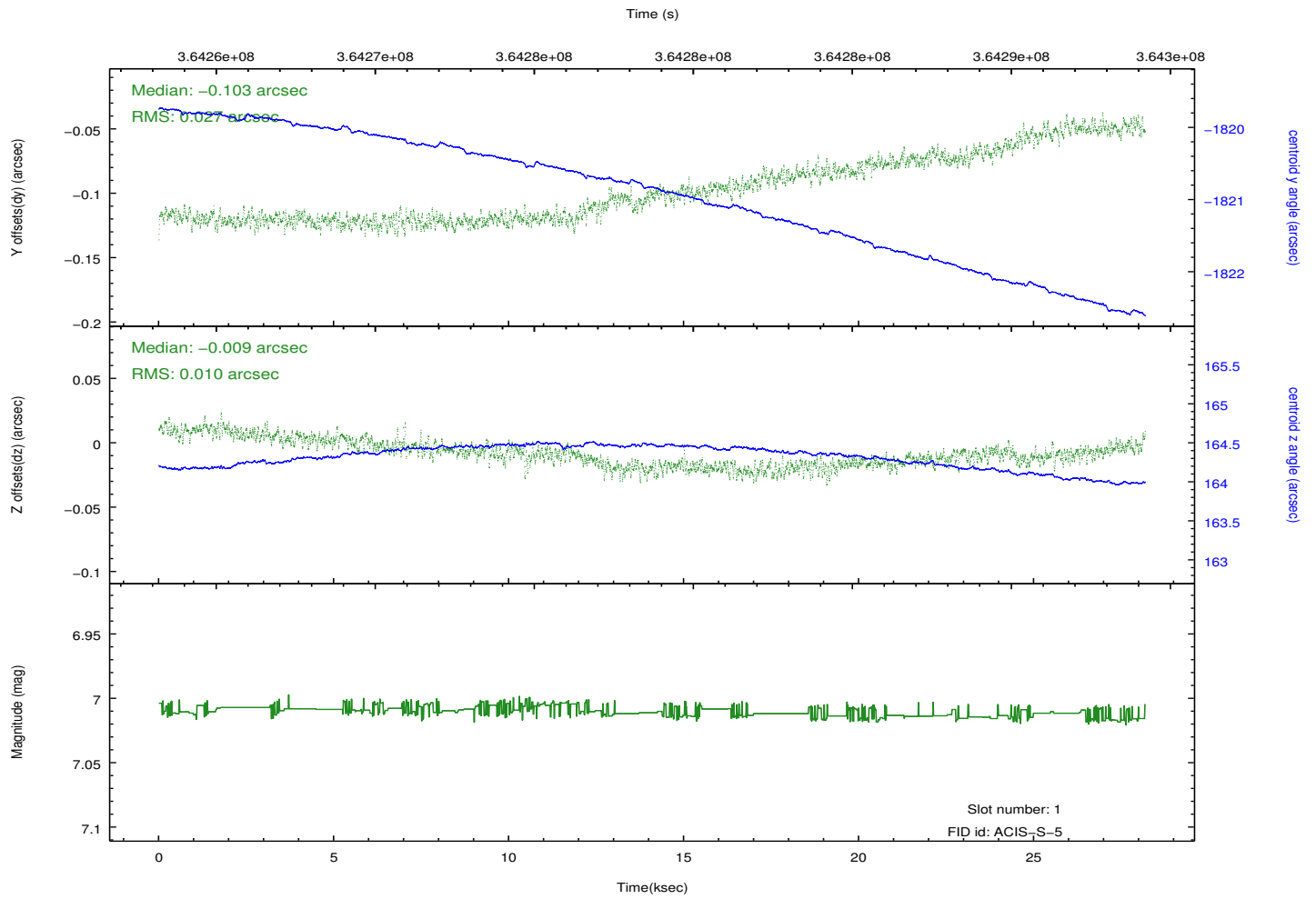
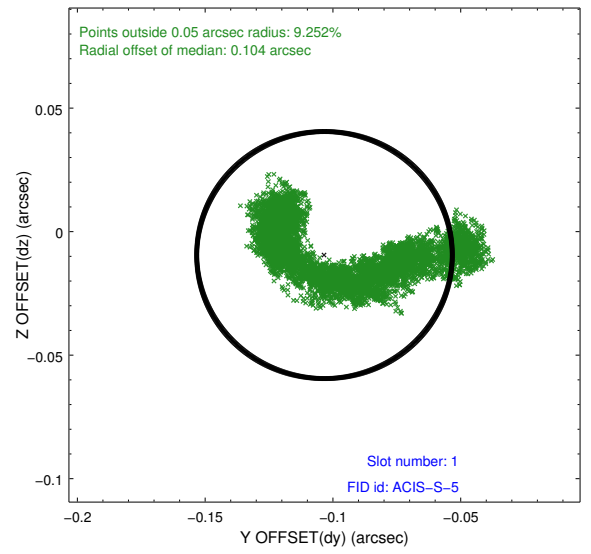
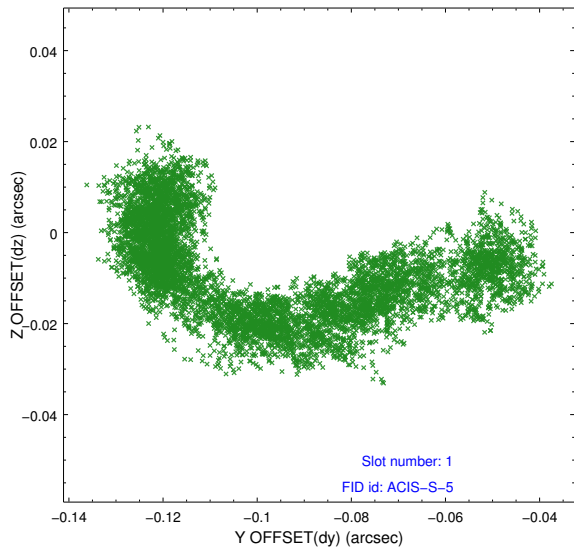


2.5 FID Slots

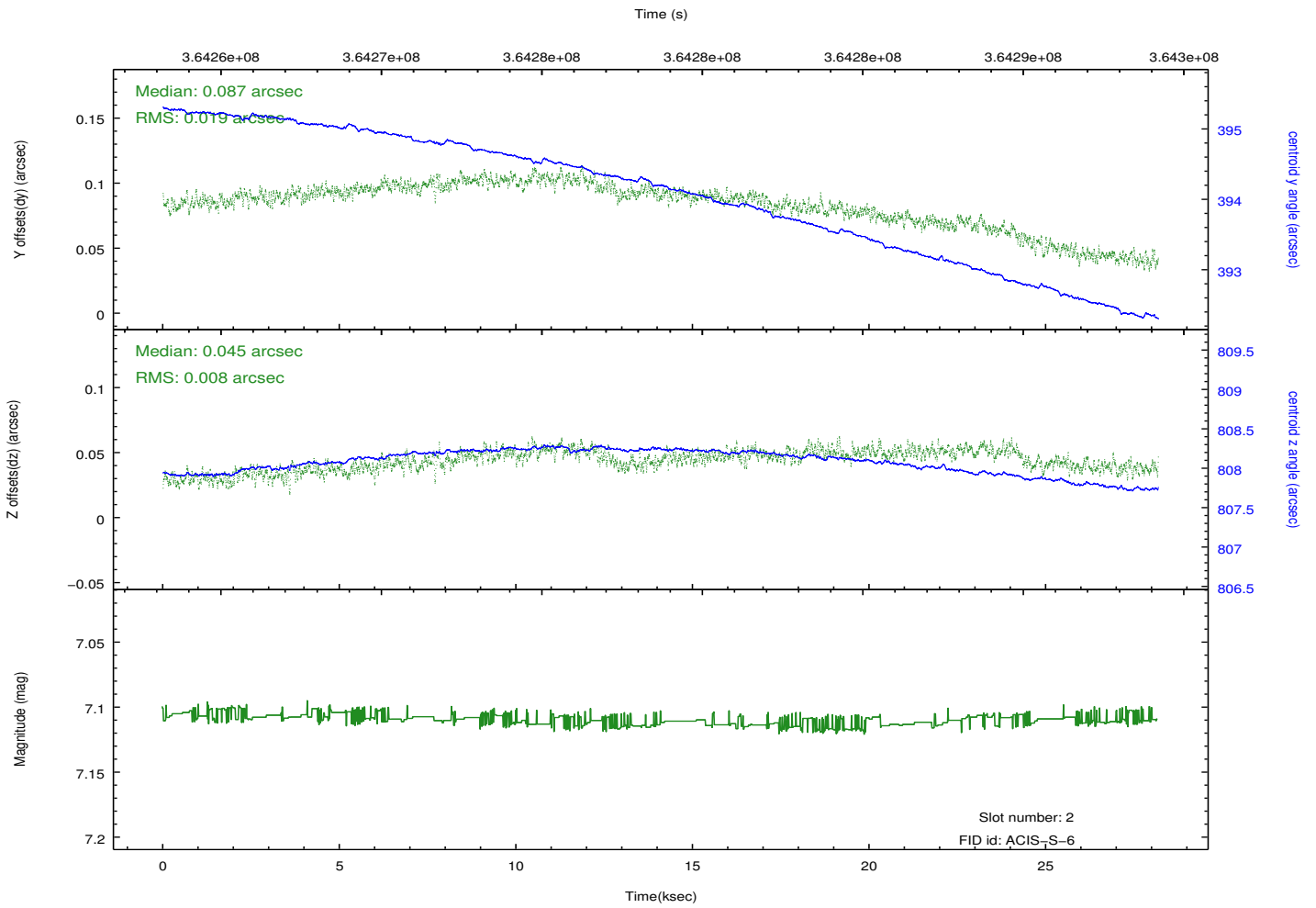
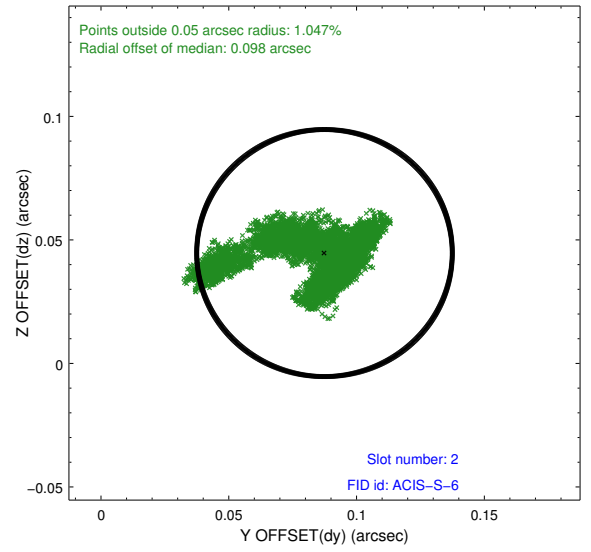
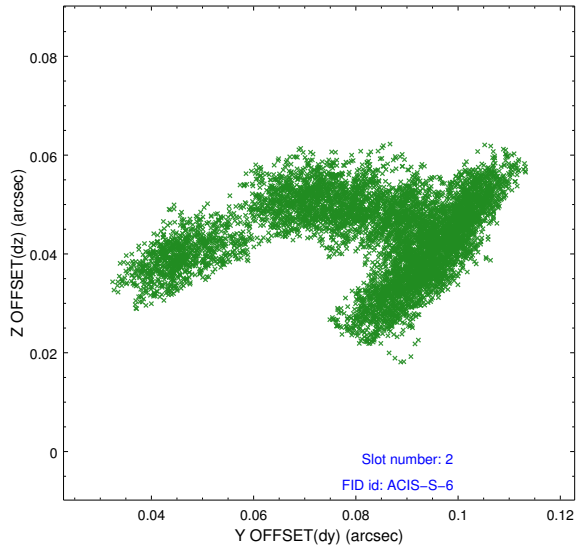
2.5.1 Slot 0



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)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.180000419974

A.2 Comments