

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16639 - L2 Version 1
Chandra X-Ray Center

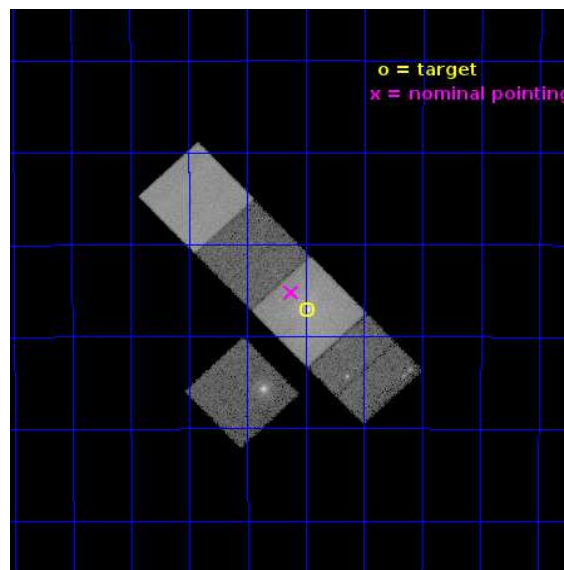
L2 Processing Date : Oct 13 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

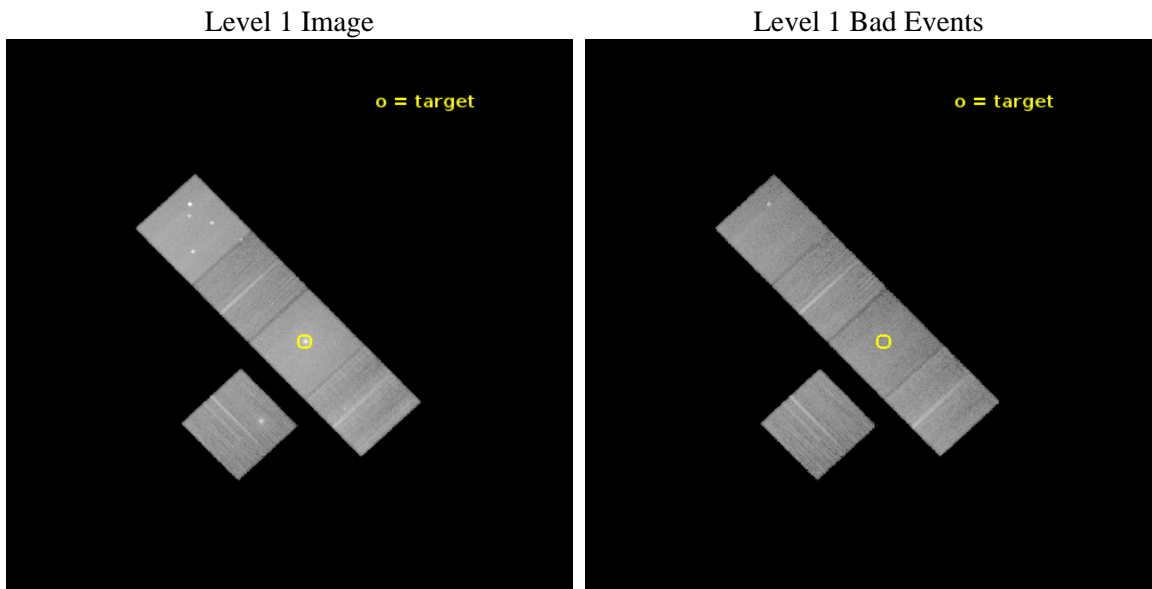
seq_num	601155	Sequence number
obs_id	16639	Observation id
title	Monitoring a Possible Post-Tidal Disruption Event (and Black Hole X-ray Binaries) in NGC1399	Proposal title
observer	Professor Jimmy Irwin	Principal investigator
object	NGC1399	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	54.62125	Observer's specified target RA [deg]
dec_targ	-35.450833	Observer's specified target Dec [deg]
ra_nom	54.655658420757	Nominal RA [deg]
dec_nom	-35.419955682254	Nominal Dec [deg]
roll_nom	46.419704441828	Nominal Roll [deg]
revision	1	Processing version of data
ontime	30062.740236342	Sum of GTIs [s]
livetime	29669.948403287	Livetime [s]
ontime3	30059.476066113	Sum of GTIs [s]
ontime5	30062.699196339	Sum of GTIs [s]
ontime6	30062.658156335	Sum of GTIs [s]
ontime7	30062.740236342	Sum of GTIs [s]
ontime8	30062.576076329	Sum of GTIs [s]
l2events	328417	Number of level 2 events



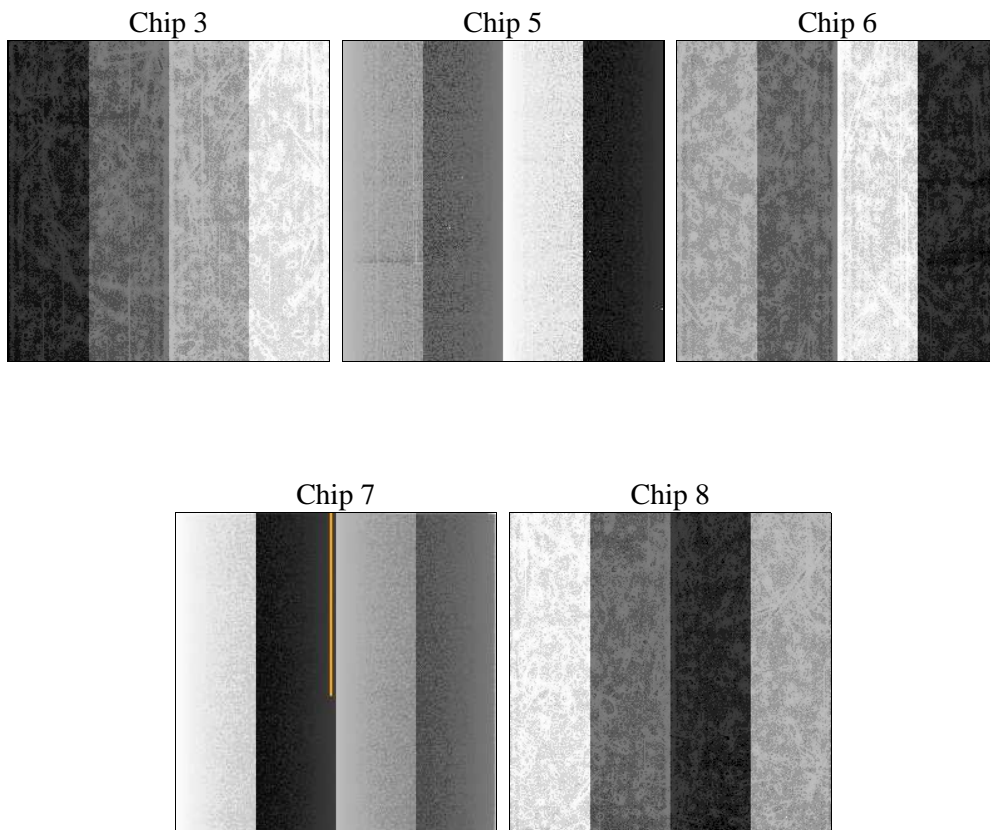
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	30062.740236342	Sum of GTIs [s]
caldsver	4.6.3	 	ontime3	30059.476066113	Sum of GTIs [s]
date	2014-10-13T18:10:16	Date and time of file creation	ontime5	30062.699196339	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	30062.658156335	Sum of GTIs [s]
			ontime7	30062.740236342	Sum of GTIs [s]
			ontime8	30062.576076329	Sum of GTIs [s]
			l1events	1073078	Number of level 1 events

2.1.4 Events

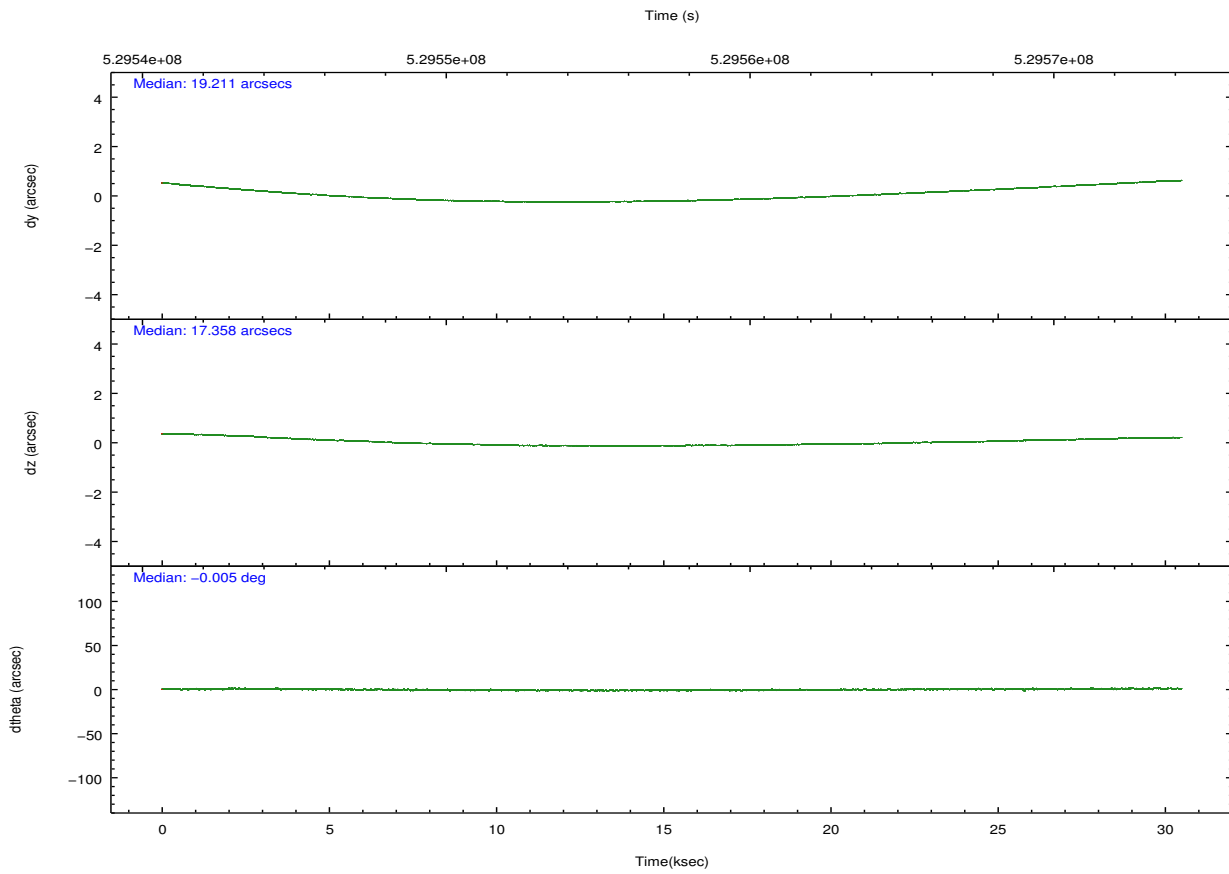
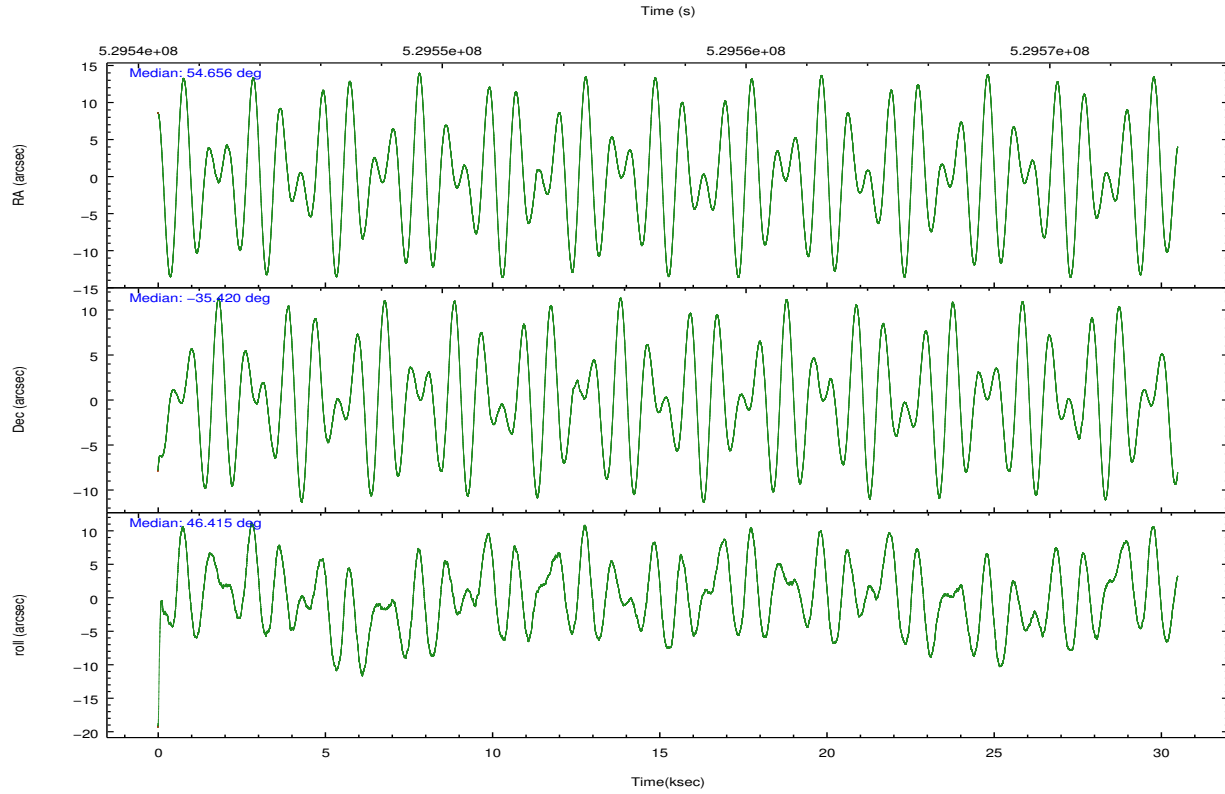
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	160613	274793	168592	261307	207773
rejected events	135399	135886	141511	122750	150830
rejected %	84%	49%	83%	46%	72%

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13084	19082	13175	22872	19372
	8%	6%	7%	8%	9%
grade 1 events	98	1438	91	235	180
	0%	0%	0%	0%	0%
grade 2 events	4317	42580	5172	31759	12801
	2%	15%	3%	12%	6%
grade 3 events	2010	4180	2084	12768	5539
	1%	1%	1%	4%	2%
grade 4 events	2050	4081	2047	12377	5118
	1%	1%	1%	4%	2%
grade 5 events	7847	17435	7968	21451	11528
	4%	6%	4%	8%	5%
grade 6 events	3755	68991	4605	58798	14138
	2%	25%	2%	22%	6%
grade 7 events	127452	117006	133450	101047	139097
	79%	42%	79%	38%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	54.648201	54.65565842075716	Subarray requested	NONE	NONE
[deg] Pointing Dec	-35.446705	-35.41995568225369	Alternating exposures requested	N	N
[deg] Pointing Roll	46.258759	46.41970444182779	[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)	529542664.184000	529541569.26694			
Observation start date	2014-10-12T23:09:57	2014-10-12T22:52:49			
[s] Observation end time (MET)	529572664.184000	529573052.14369			
Observation end date	2014-10-13T07:29:57	2014-10-13T07:37:32			
Read mode	TIMED	TIMED			

2.3 Aspect

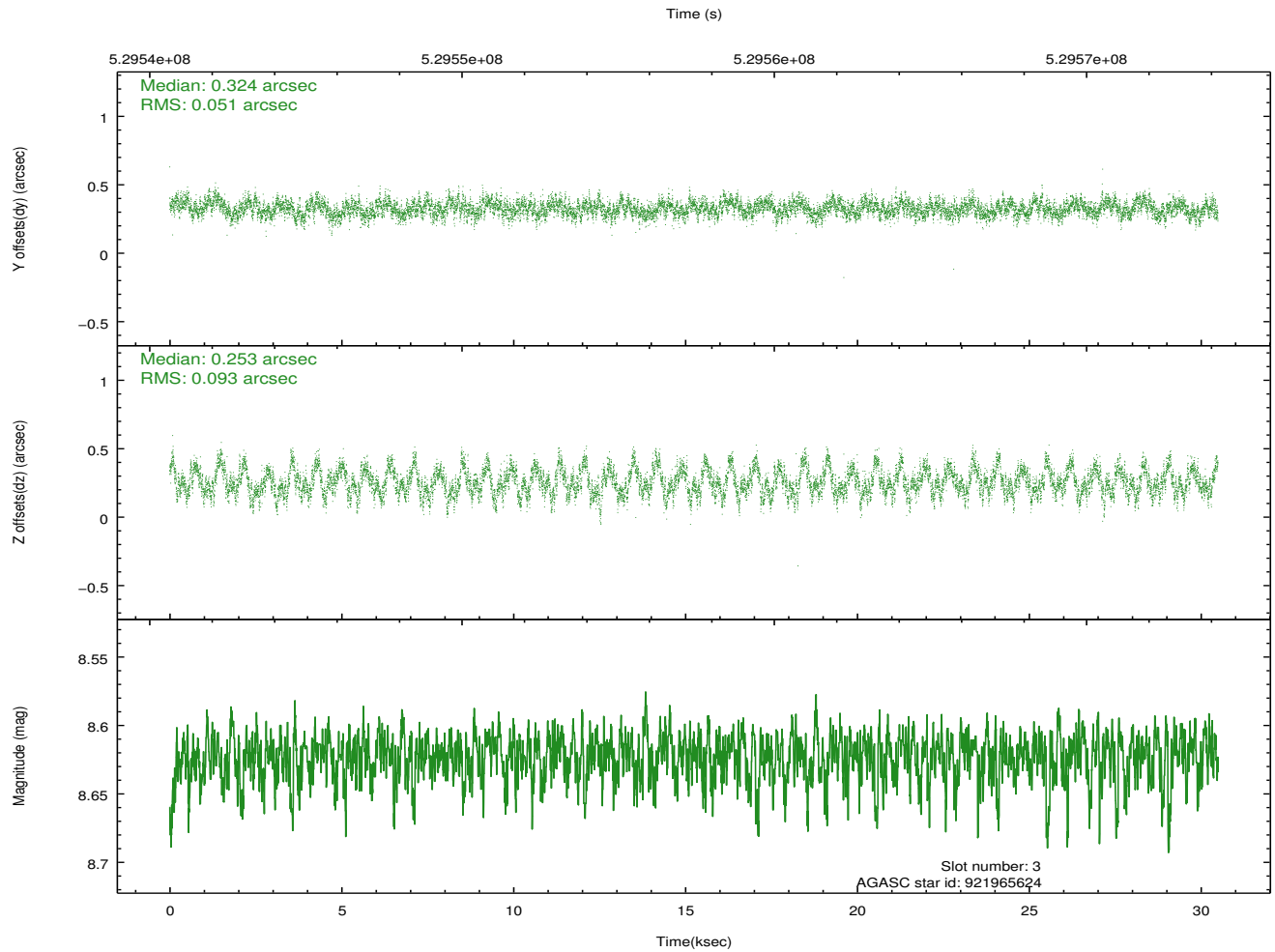
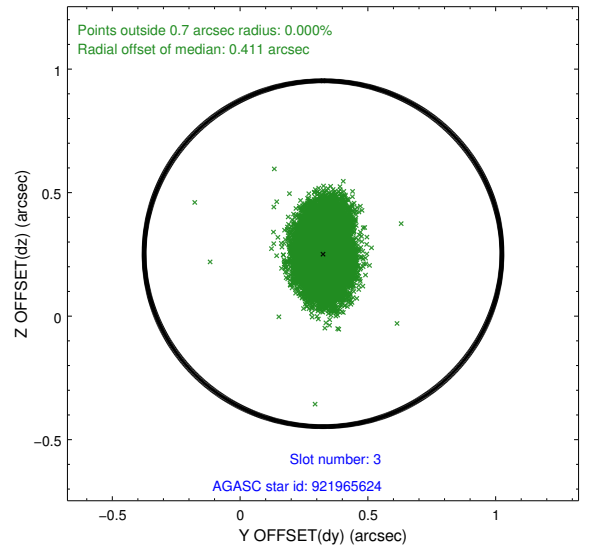
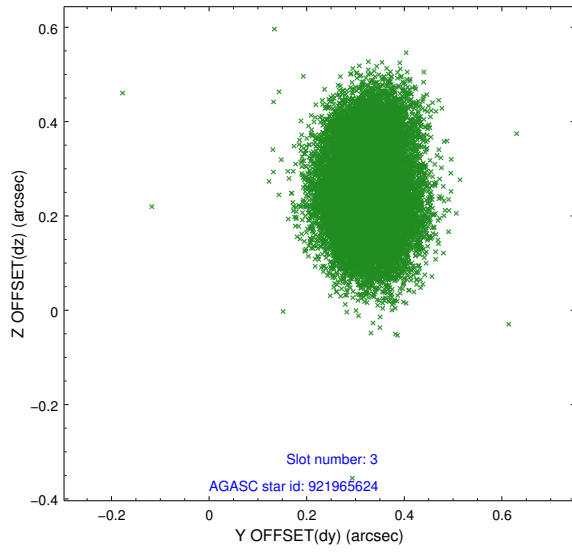


Slot Statistics

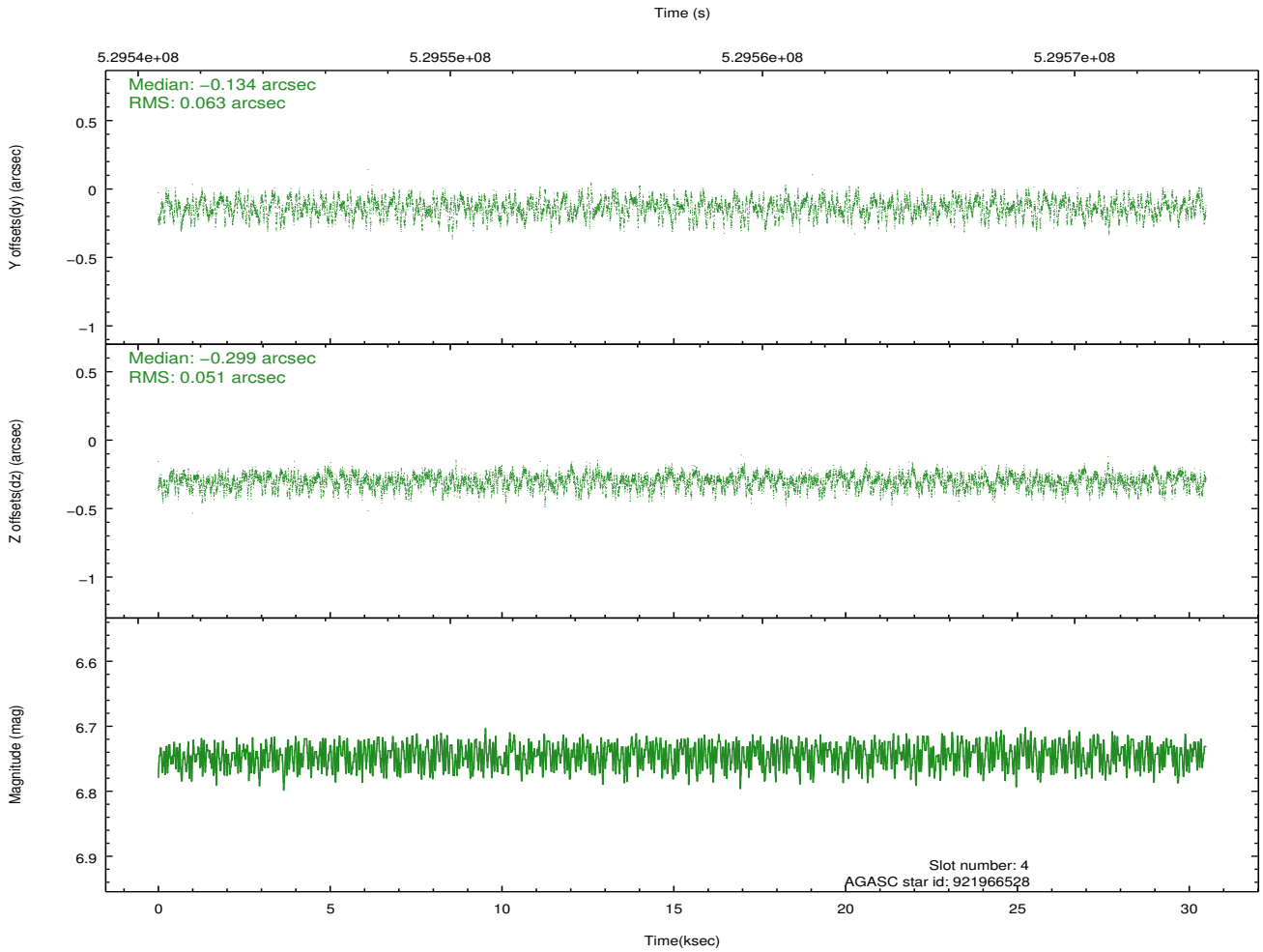
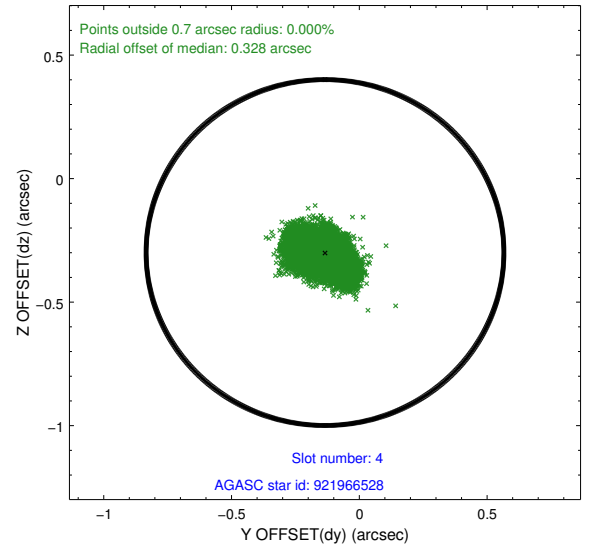
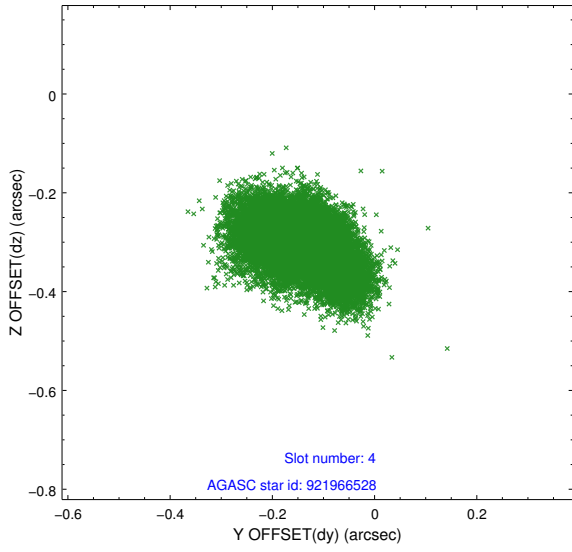
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	7439	0.067	-0.056	0.012	0.033	0.000000	0.000000	923.72	-1734.53
1	FID	ACIS-S-4	7.19	7439	0.237	0.012	0.007	0.012	0.000000	0.000000	2141.35	169.61
2	FID	ACIS-S-5	7.22	7438	-0.330	0.057	0.011	0.025	0.000000	0.000000	-1825.44	163.36
3	GUIDE	921965624	8.62	14869	0.324	0.253	0.113	0.184	54.900706	-35.940077	-774.22	-1760.18
4	GUIDE	921966528	6.74	14876	-0.134	-0.299	0.087	0.142	54.675841	-35.204254	687.22	544.46
5	GUIDE	921966544	7.93	14875	0.072	0.307	0.078	0.123	54.743508	-35.636012	-299.90	-672.30
6	GUIDE	921575736	8.50	14873	-0.111	-0.311	0.081	0.128	54.586331	-34.827401	1484.58	1673.34
7	GUIDE	921963584	9.53	14867	-0.154	0.049	0.155	0.252	55.242973	-35.012099	2340.20	-188.32

2.4 Star Slots

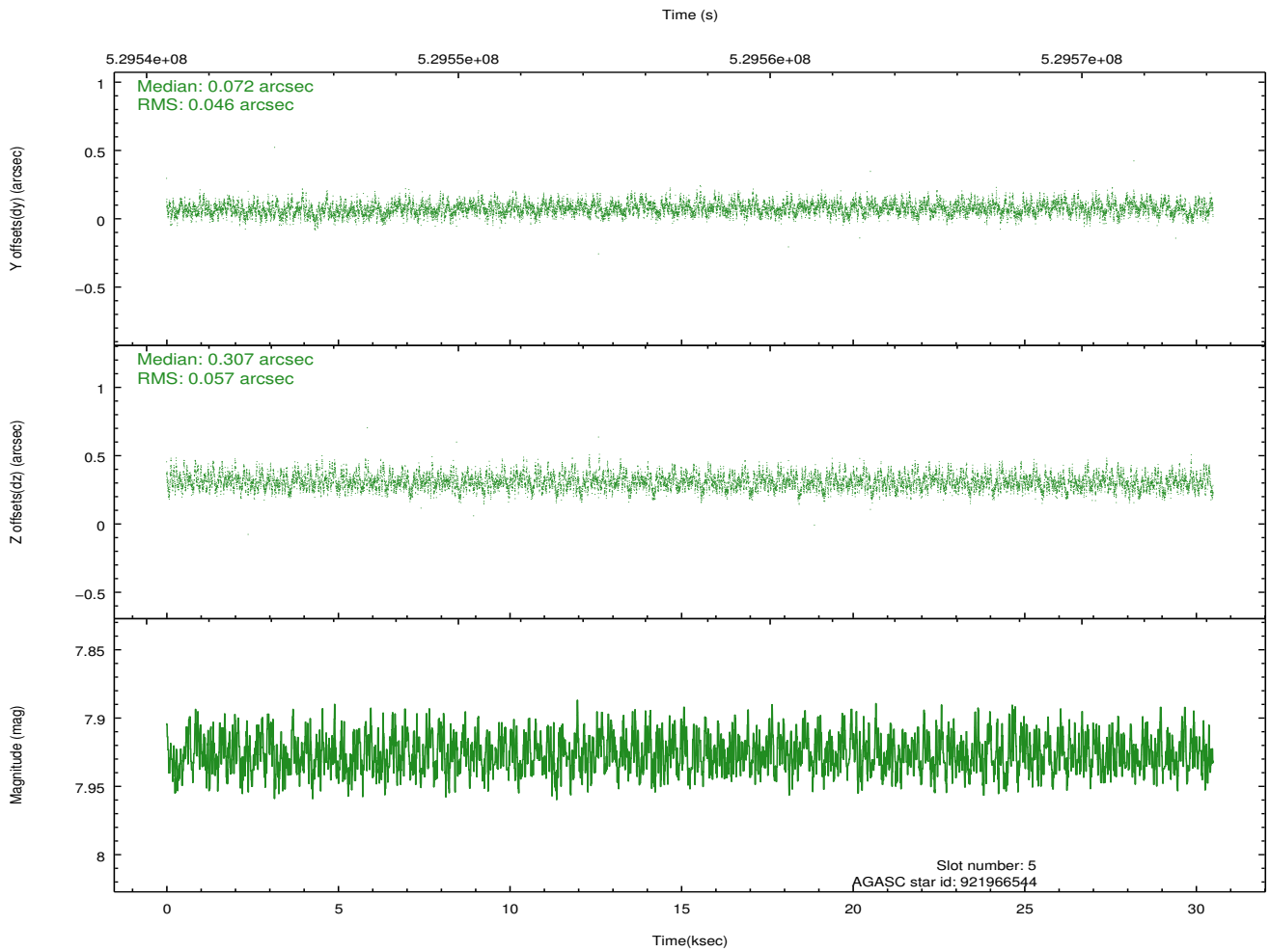
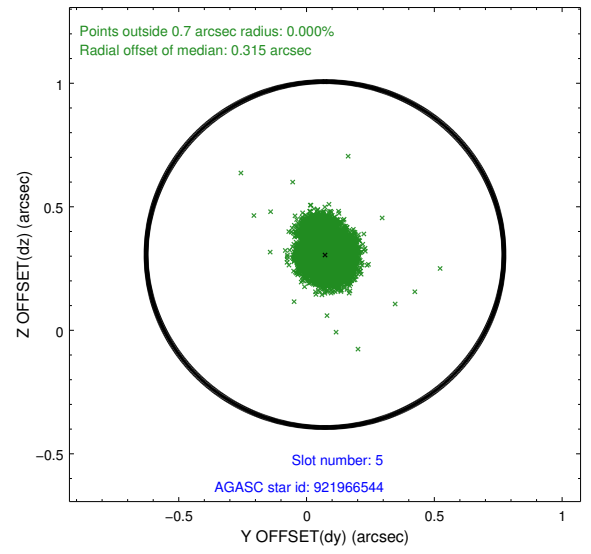
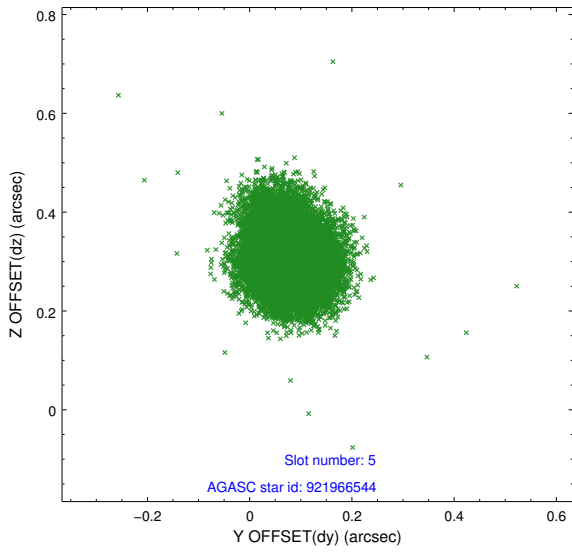
2.4.1 Slot 3



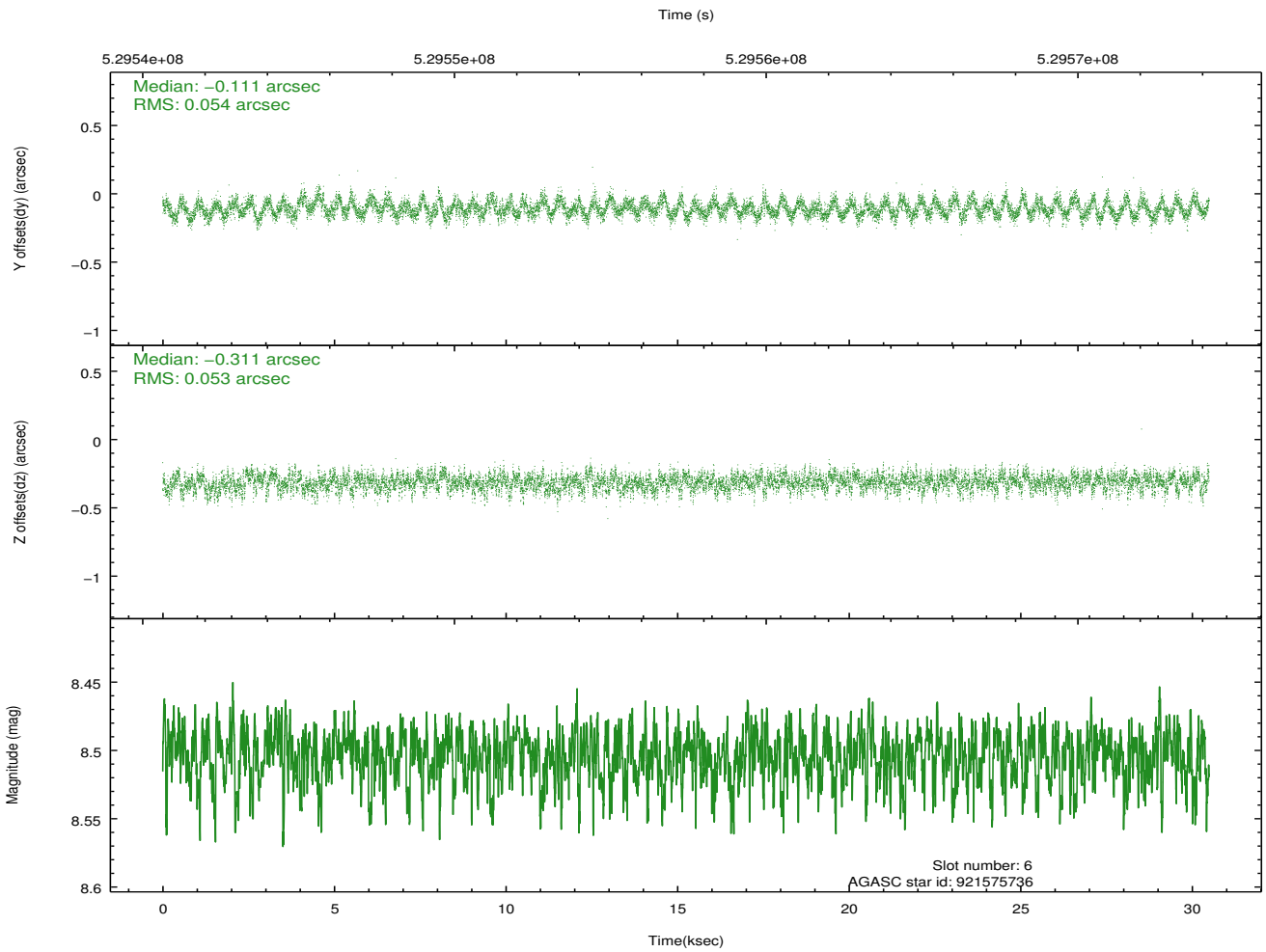
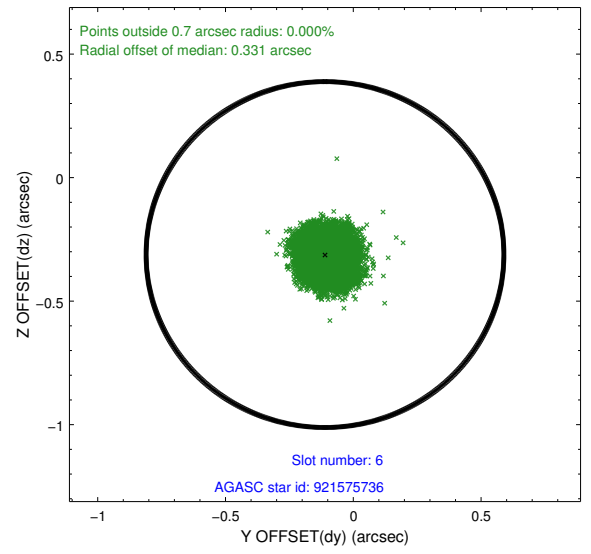
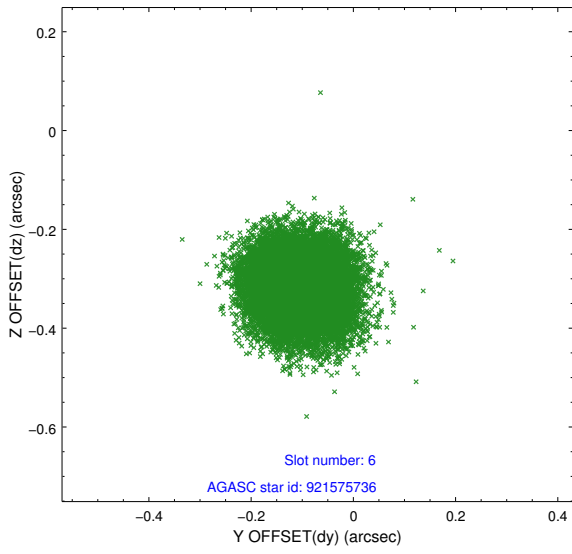
2.4.2 Slot 4



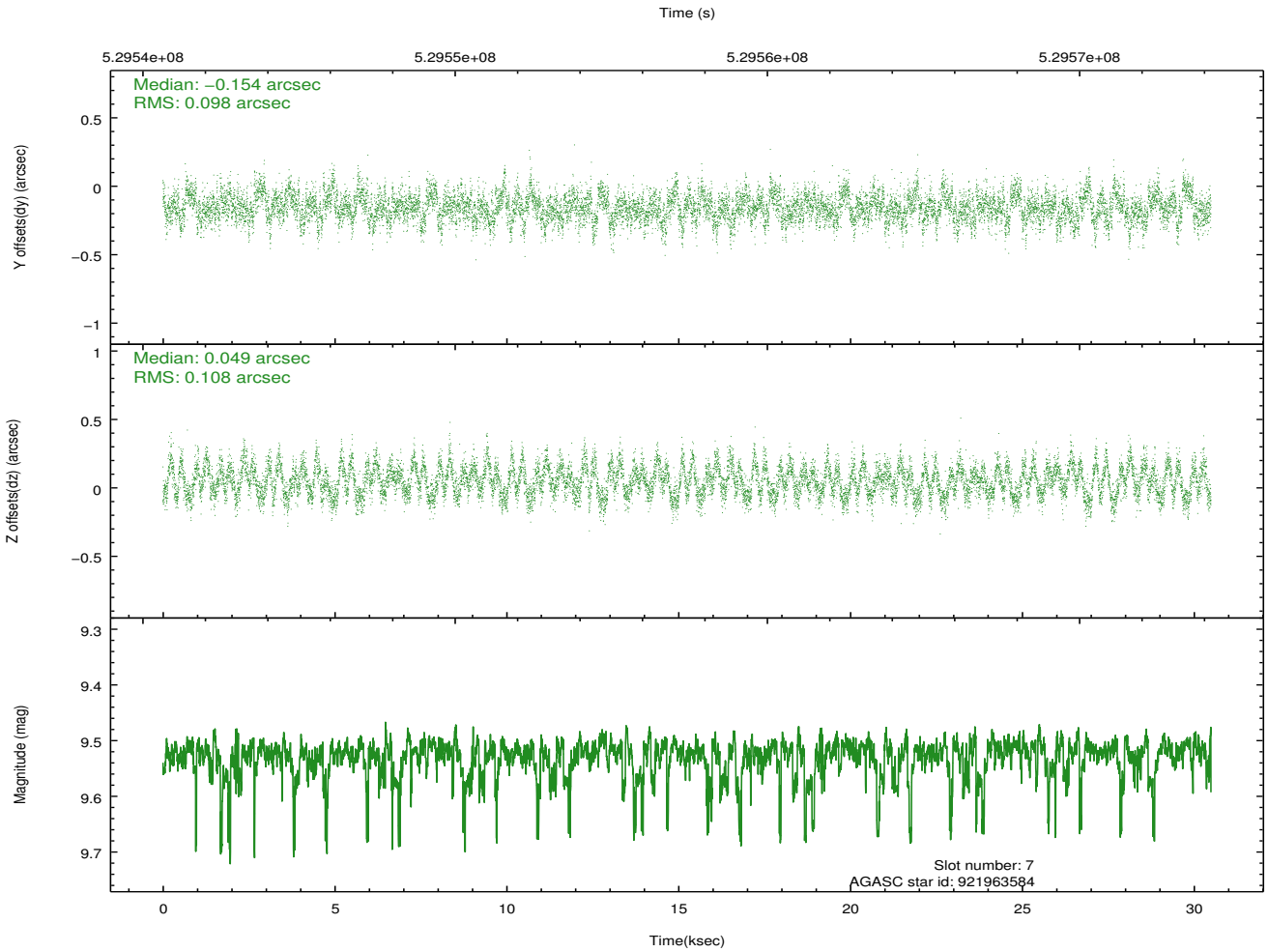
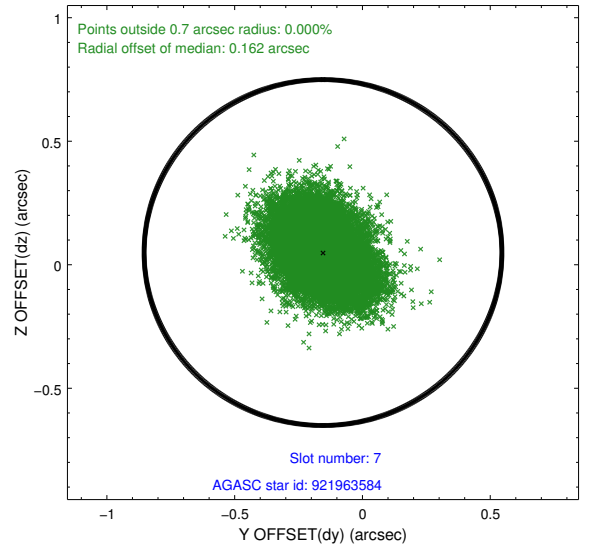
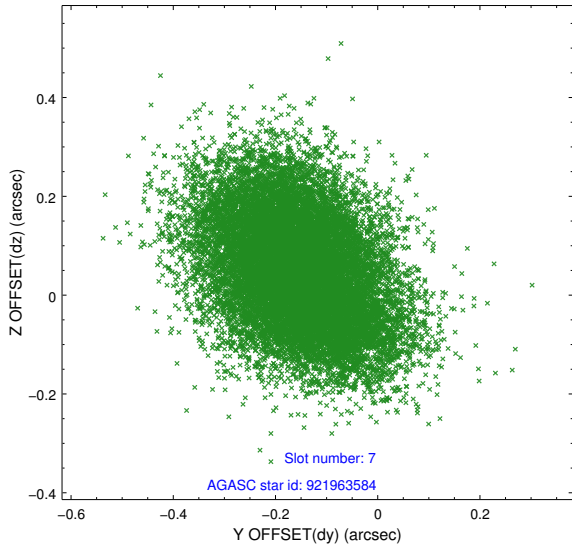
2.4.3 Slot 5



2.4.4 Slot 6

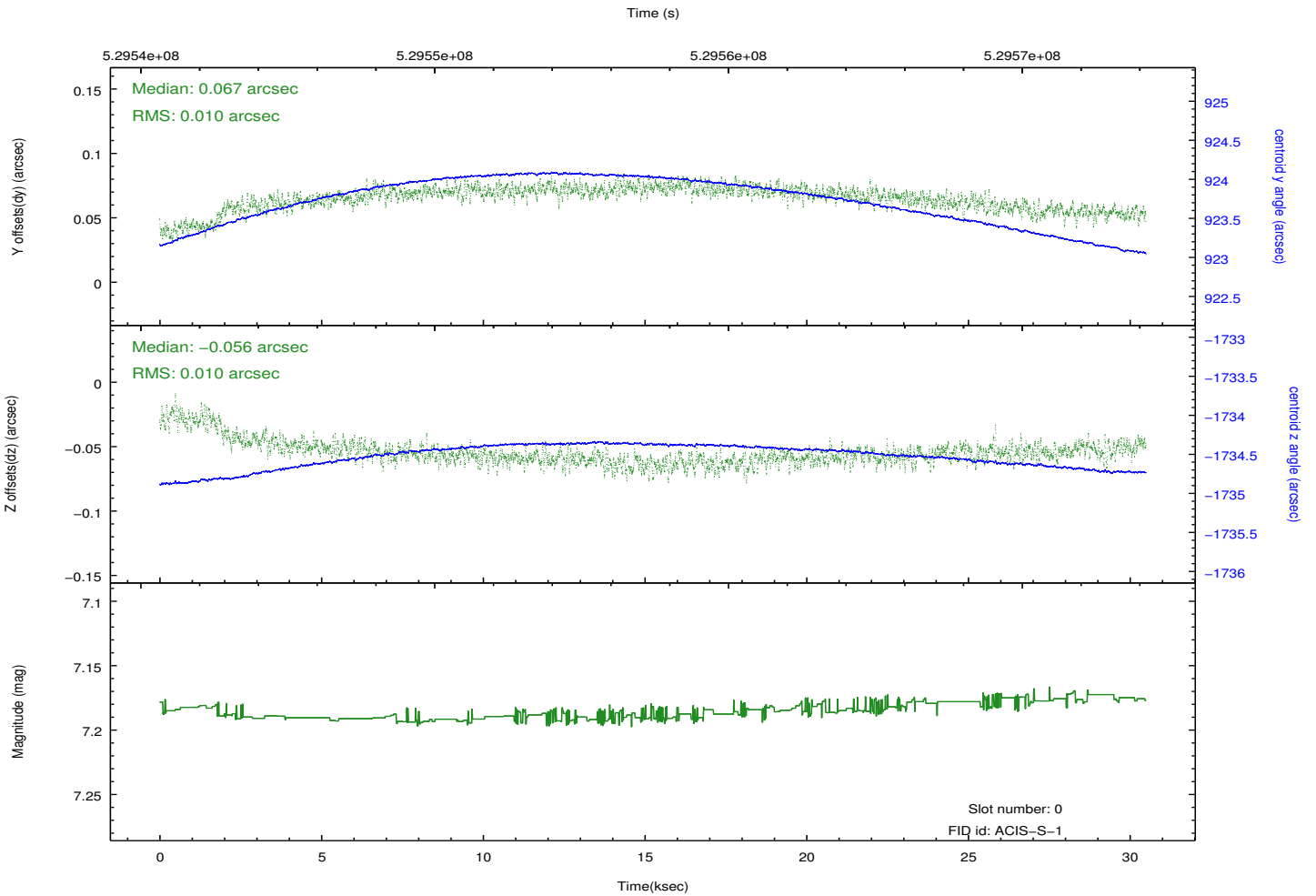
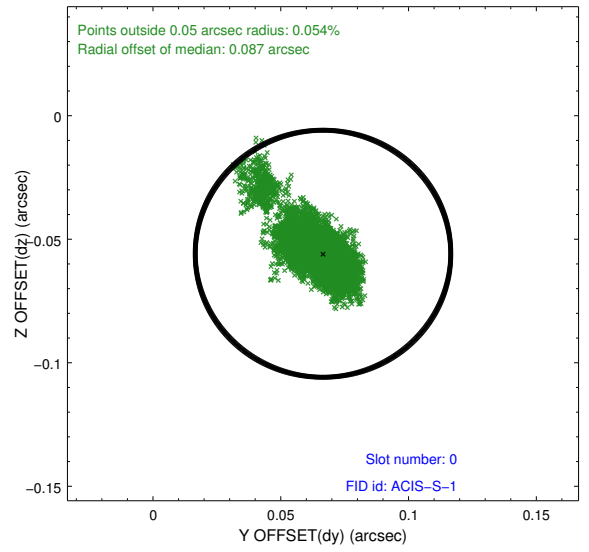
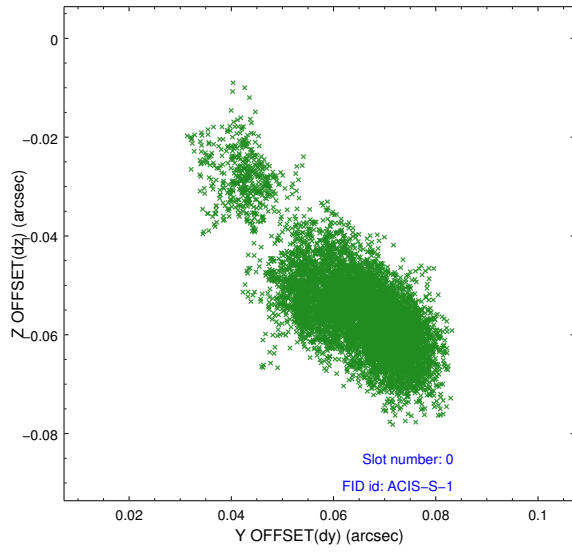


2.4.5 Slot 7

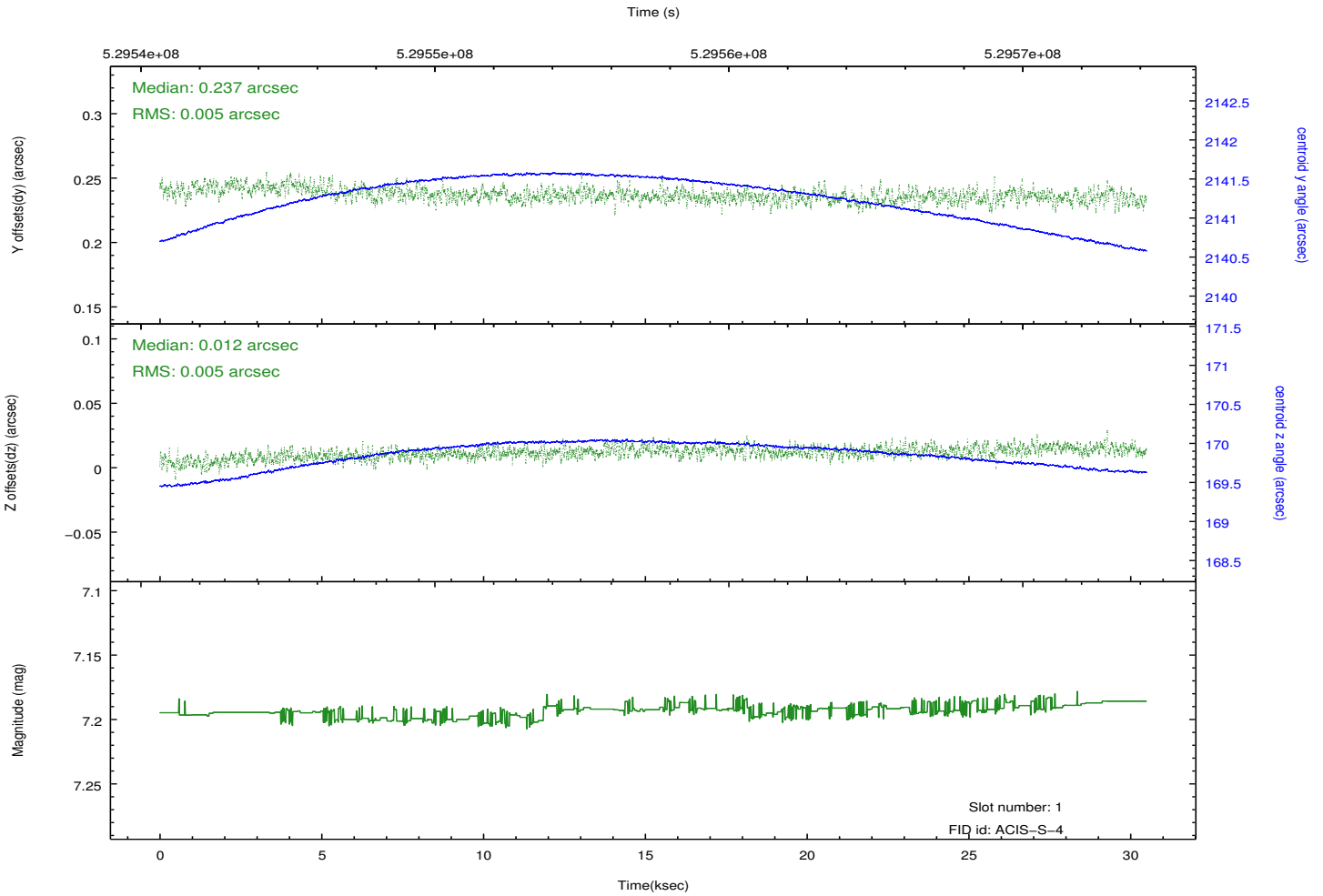
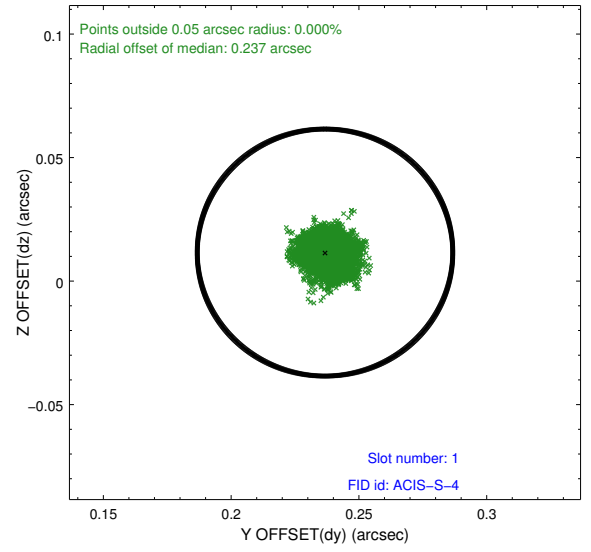
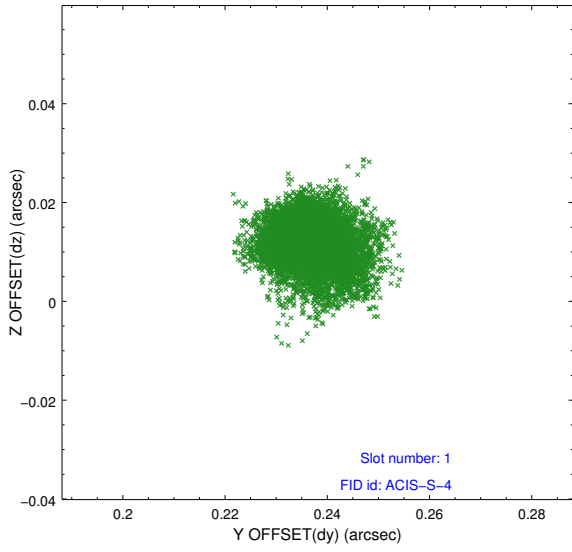


2.5 FID Slots

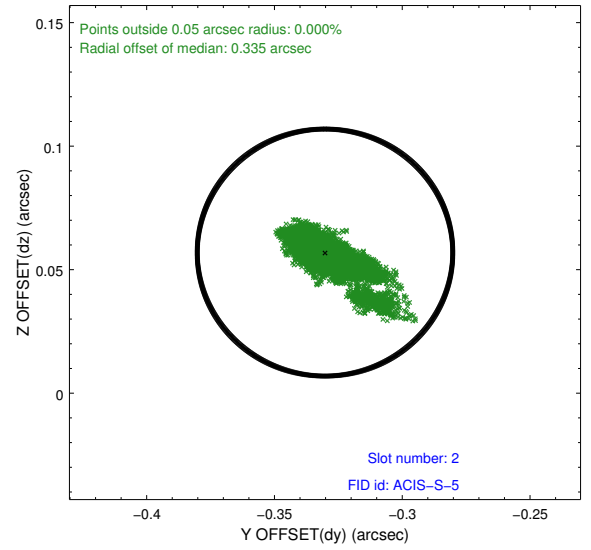
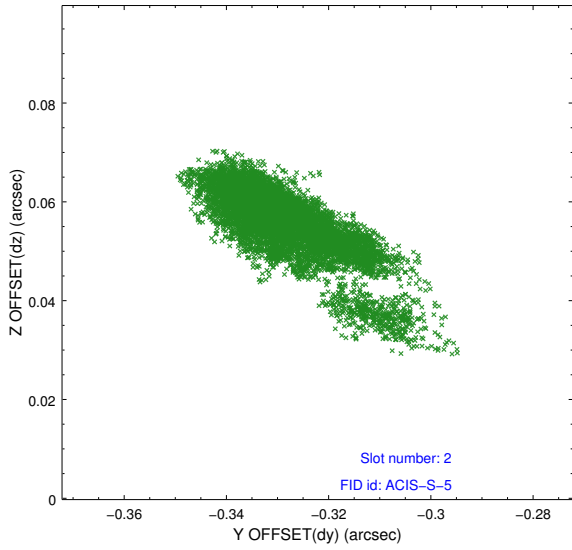
2.5.1 Slot 0



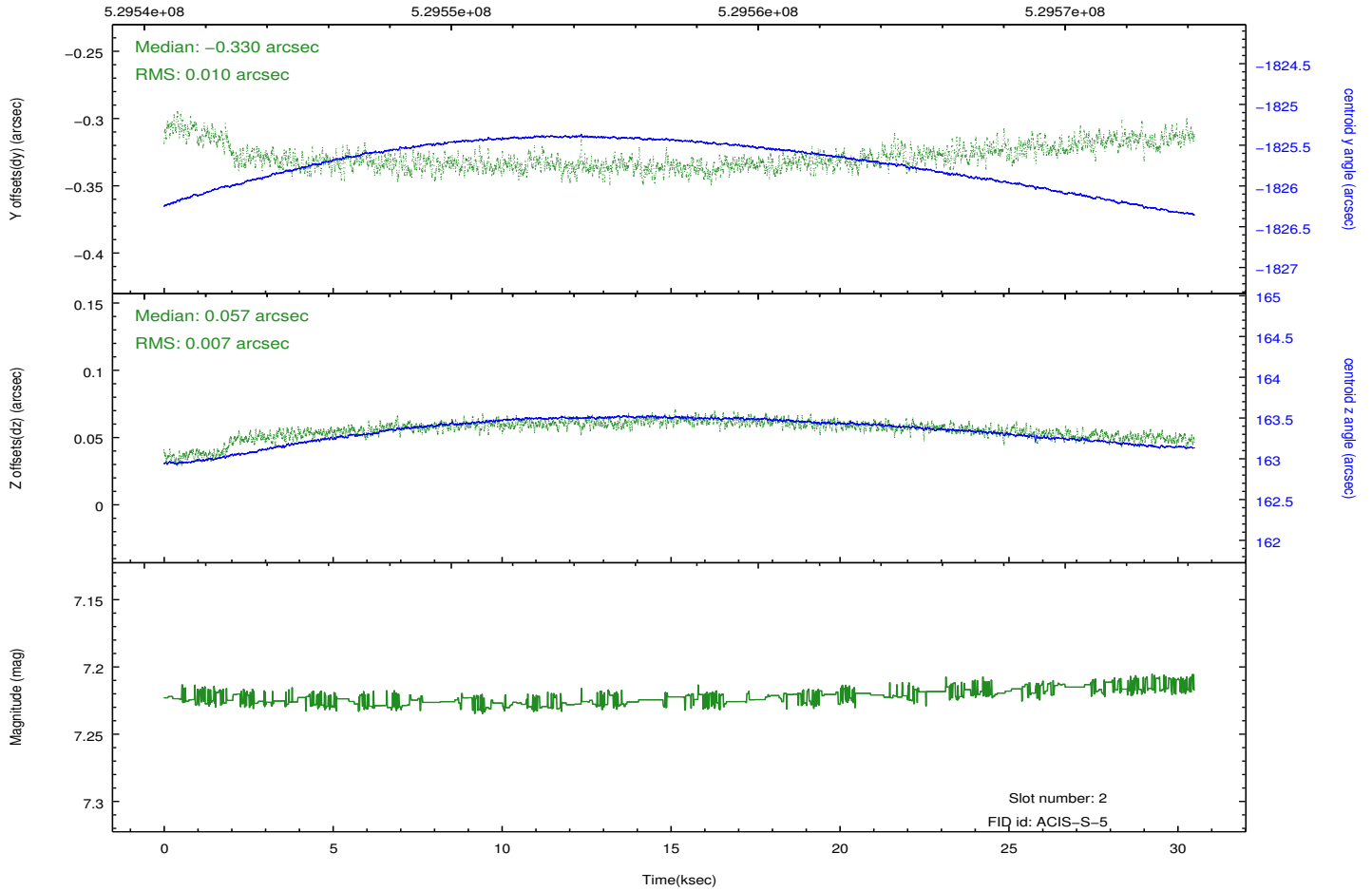
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.062740236342

A.2 Comments