

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10395 - L2 Version 2
Chandra X-Ray Center

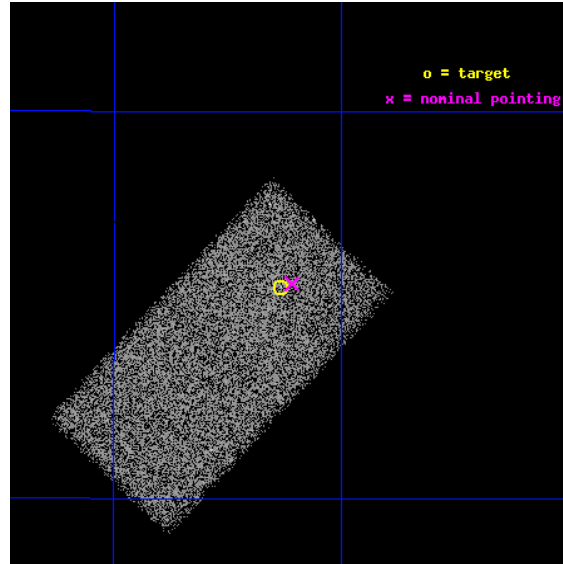
L2 Processing Date : Jun 2 2012

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

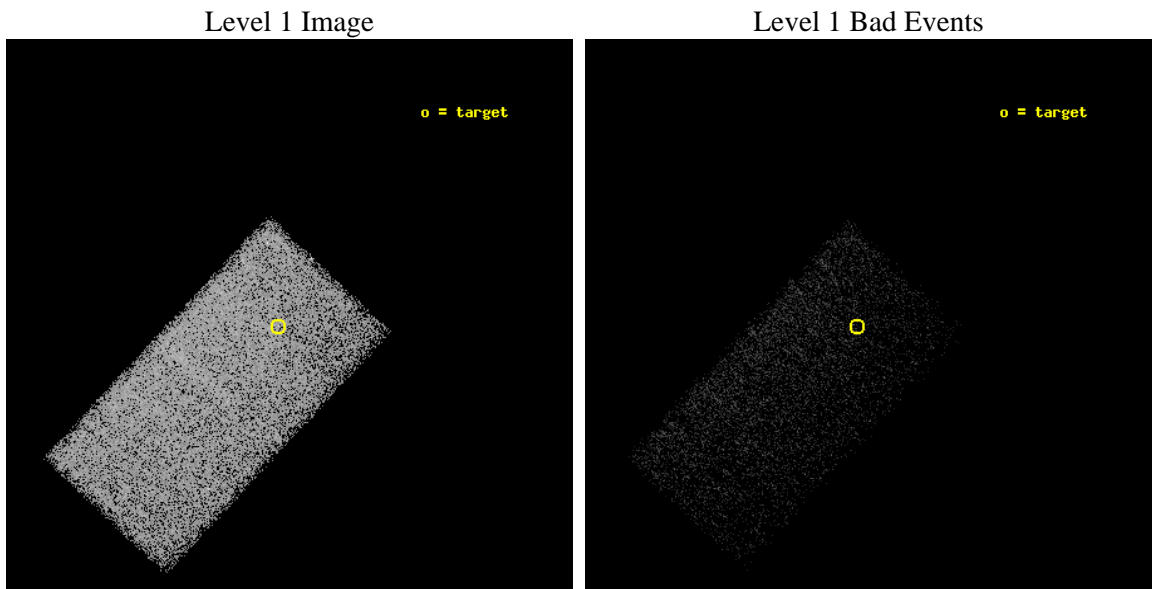
seq_num	701938	Sequence number
obs_id	10395	Observation id
title	A Complete Census of AGN Activity in Luminous Infrared Galaxies	Pr
observer	Dr David Alexander	Principal investigator
object	NGC5394/5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.658333	Observer's specified target RA [deg]
dec_targ	37.424444	Observer's specified target Dec [deg]
ra_nom	209.65244844356	Nominal RA [deg]
dec_nom	37.425715575445	Nominal Dec [deg]
roll_nom	133.16020867717	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16080.0	Sum of GTIs [s]
livetime	15651.76763744	Livetime [s]
ontime7	16080.0	Sum of GTIs [s]
l2events	32339	Number of level 2 events



2 OBI

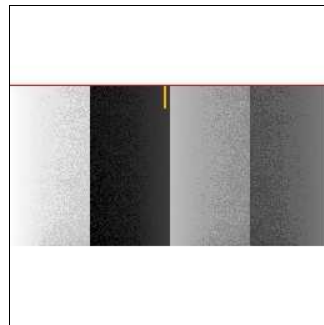
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	16080.0	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	16080.0	Sum of GTIs [s]
date	2012-06-02T15:07:59	Date and time of file creation	l1events	64487	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

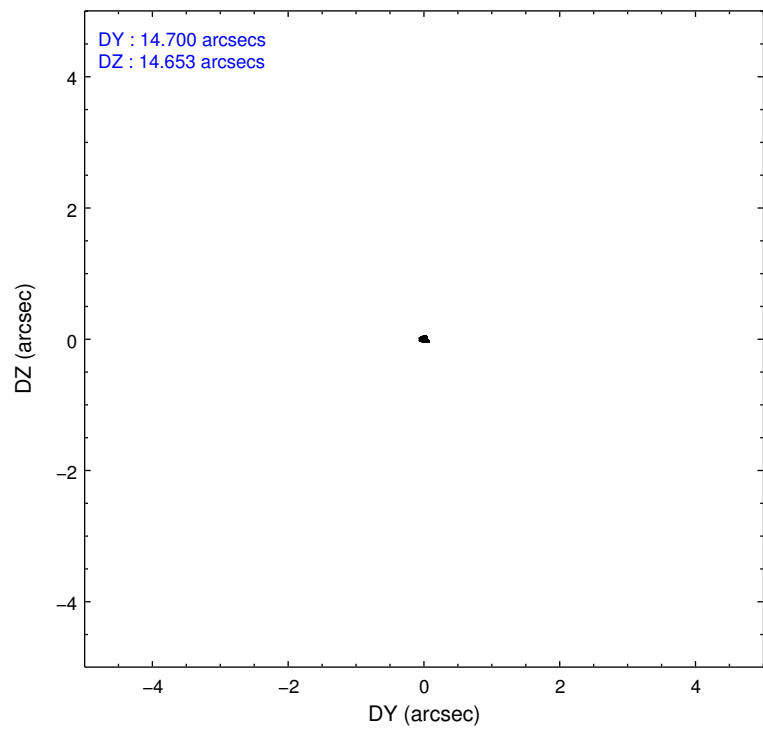
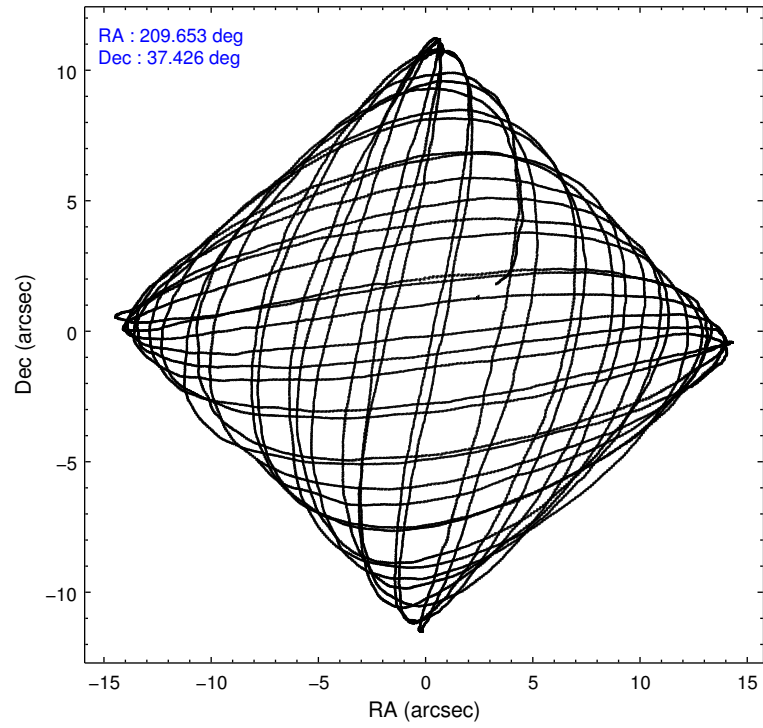
	ccd 7
level 1 events	64487
rejected events	30949
rejected %	47%

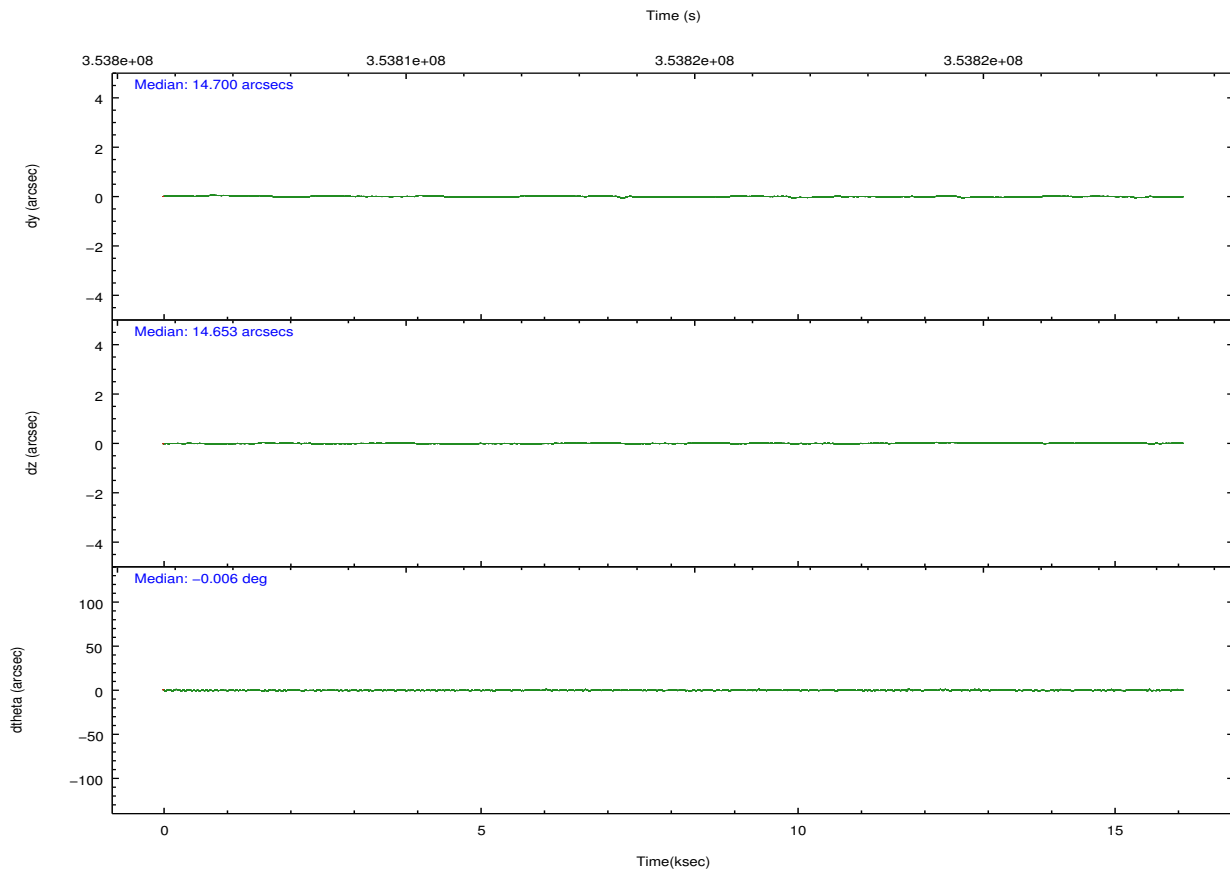
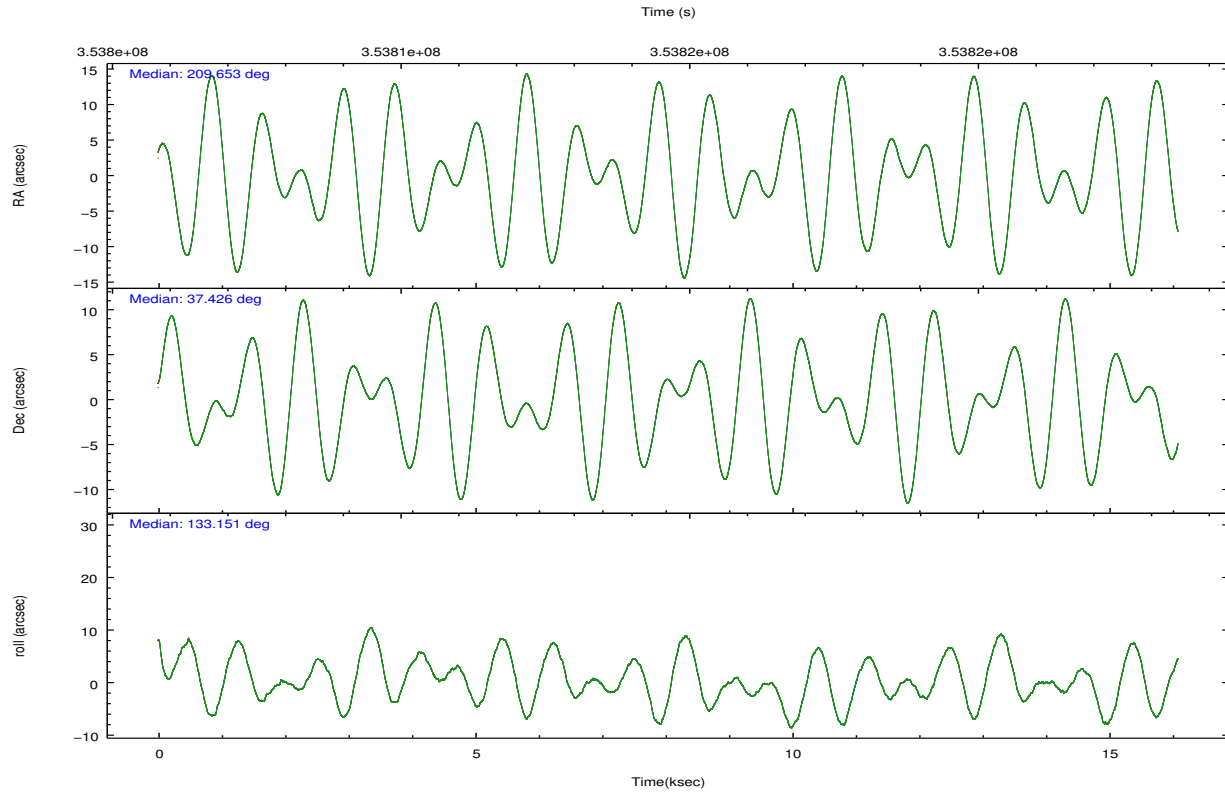
	ccd 7
grade 0 events	3691
	5%
grade 1 events	110
	0%
grade 2 events	7331
	11%
grade 3 events	3552
	5%
grade 4 events	3500
	5%
grade 5 events	6850
	10%
grade 6 events	15503
	24%
grade 7 events	23950
	37%

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	209.685522	209.6524484435573	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	37.418147	37.42571557544518	Subarray start row	257	257
[deg] Pointing Roll	132.983485	133.1602086771711	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	353806762.184000	353806095.73986			
Observation start date	2009-03-18T23:38:16	2009-03-18T23:28:15			
[s] Observation end time (MET)	353822662.184000	353823587.36573			
Observation end date	2009-03-19T04:03:16	2009-03-19T04:19:47			
Read mode	TIMED	TIMED			

2.3 Aspect



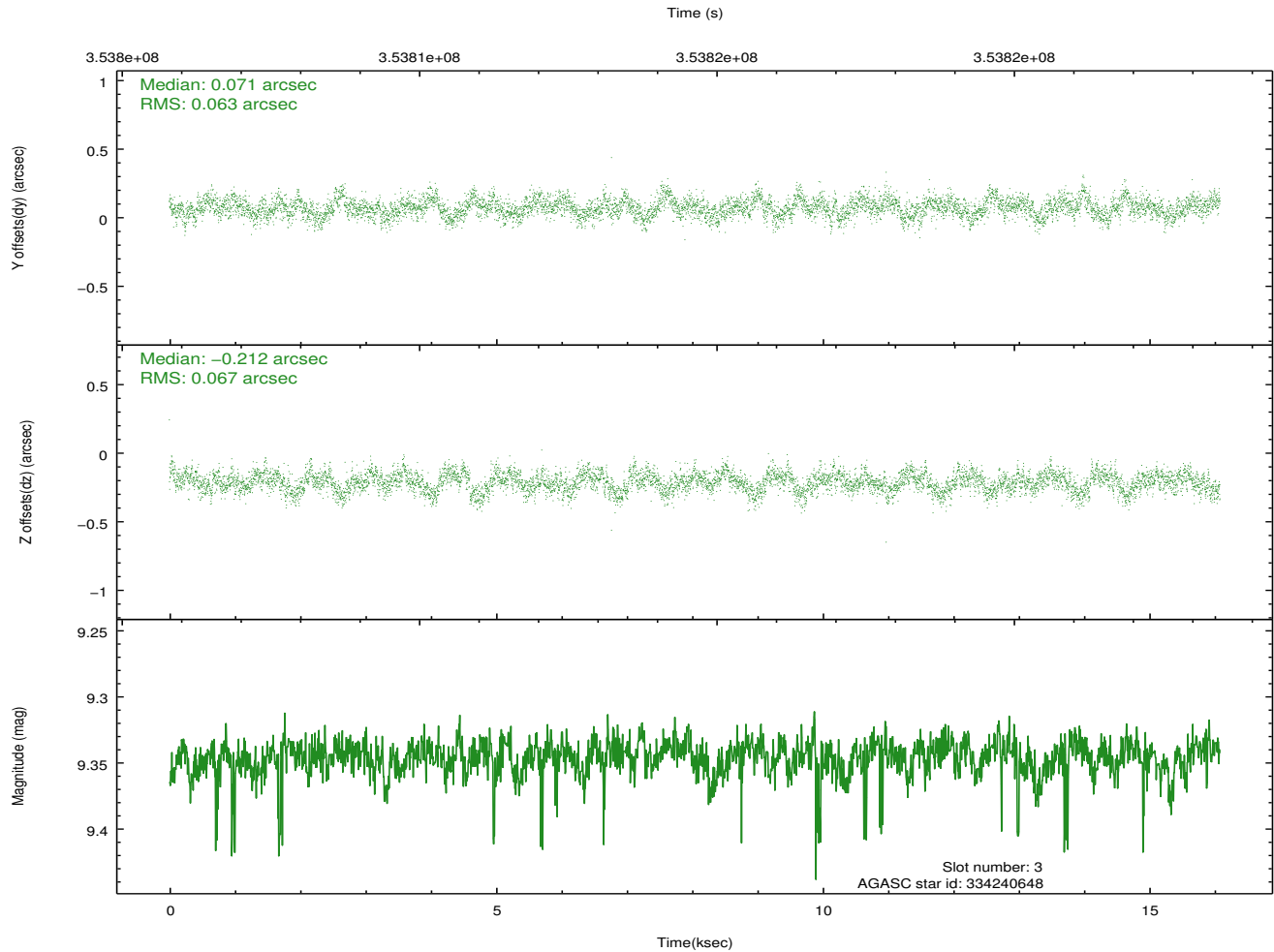
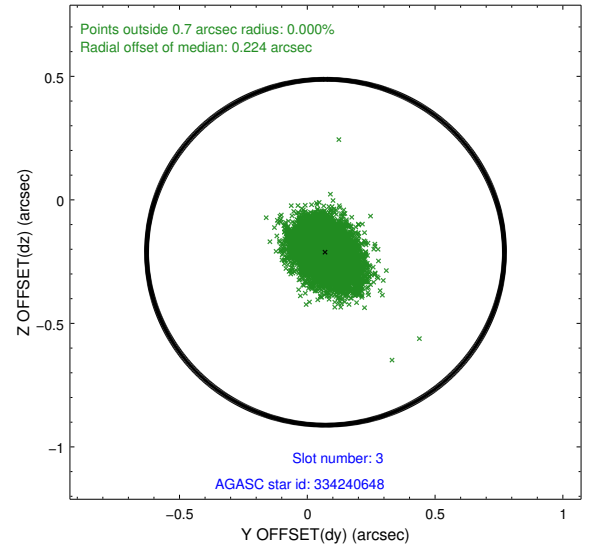
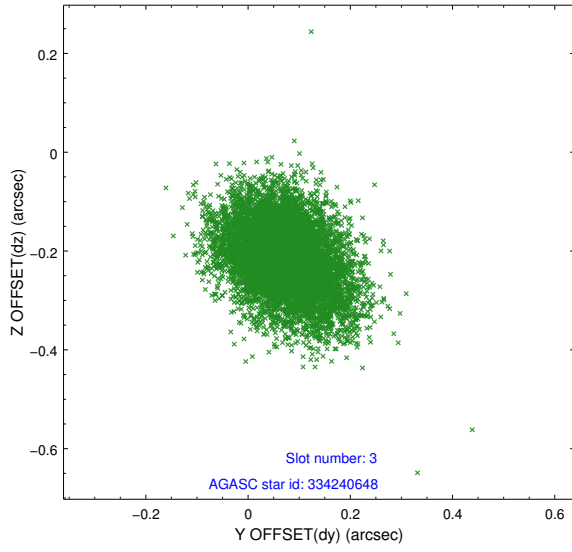


Slot Statistics

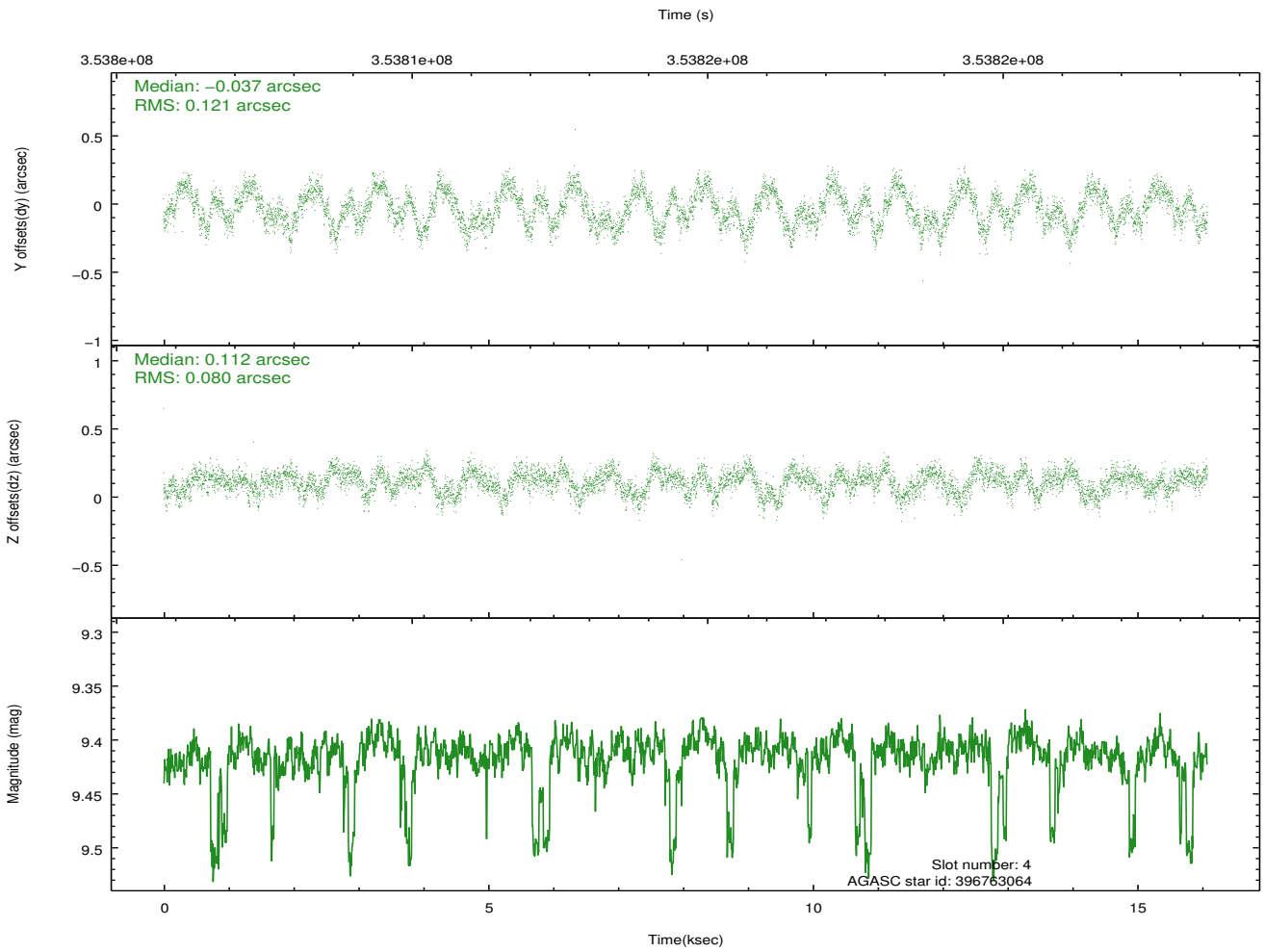
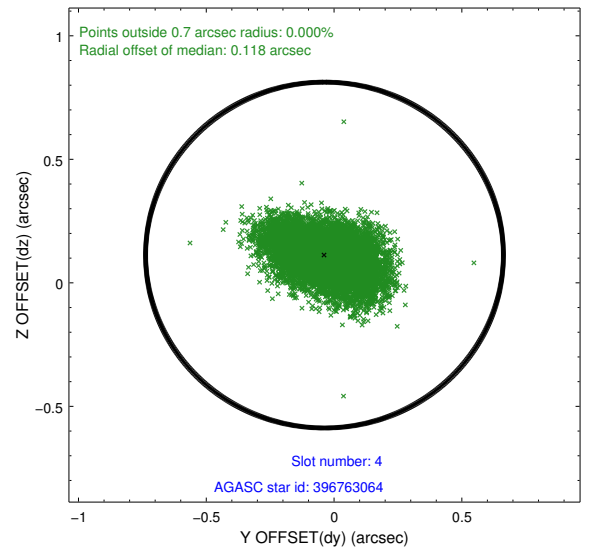
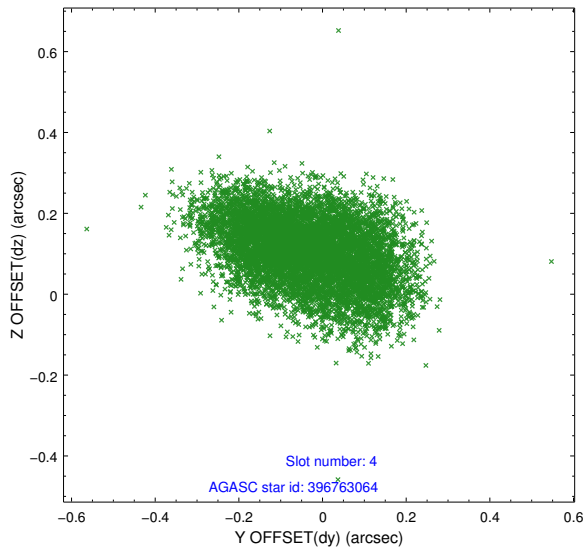
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	3924	0.051	-0.013	0.006	0.011	0.000000	0.000000	928.43	-1731.61
1	FID	ACIS-S-5	7.06	3924	-0.144	0.026	0.006	0.010	0.000000	0.000000	-1820.61	165.70
2	FID	ACIS-S-6	7.17	3923	0.071	-0.001	0.006	0.011	0.000000	0.000000	393.71	809.94
3	GUIDE	334240648	9.35	7828	0.071	-0.212	0.097	0.161	209.794979	37.013863	-1278.90	762.10
4	GUIDE	396763064	9.41	7815	-0.037	0.112	0.156	0.248	209.670622	38.043334	1675.57	-1502.41
5	GUIDE	397679112	6.28	7847	-0.227	0.103	0.056	0.089	210.093233	37.871165	405.50	-1960.74
6	GUIDE	397679280	9.24	7817	0.087	0.057	0.114	0.182	210.547522	37.614190	-1150.78	-2287.21
7	GUIDE	334240216	9.59	7836	0.112	-0.056	0.144	0.227	209.779818	36.625518	-2273.22	1745.94

2.4 Star Slots

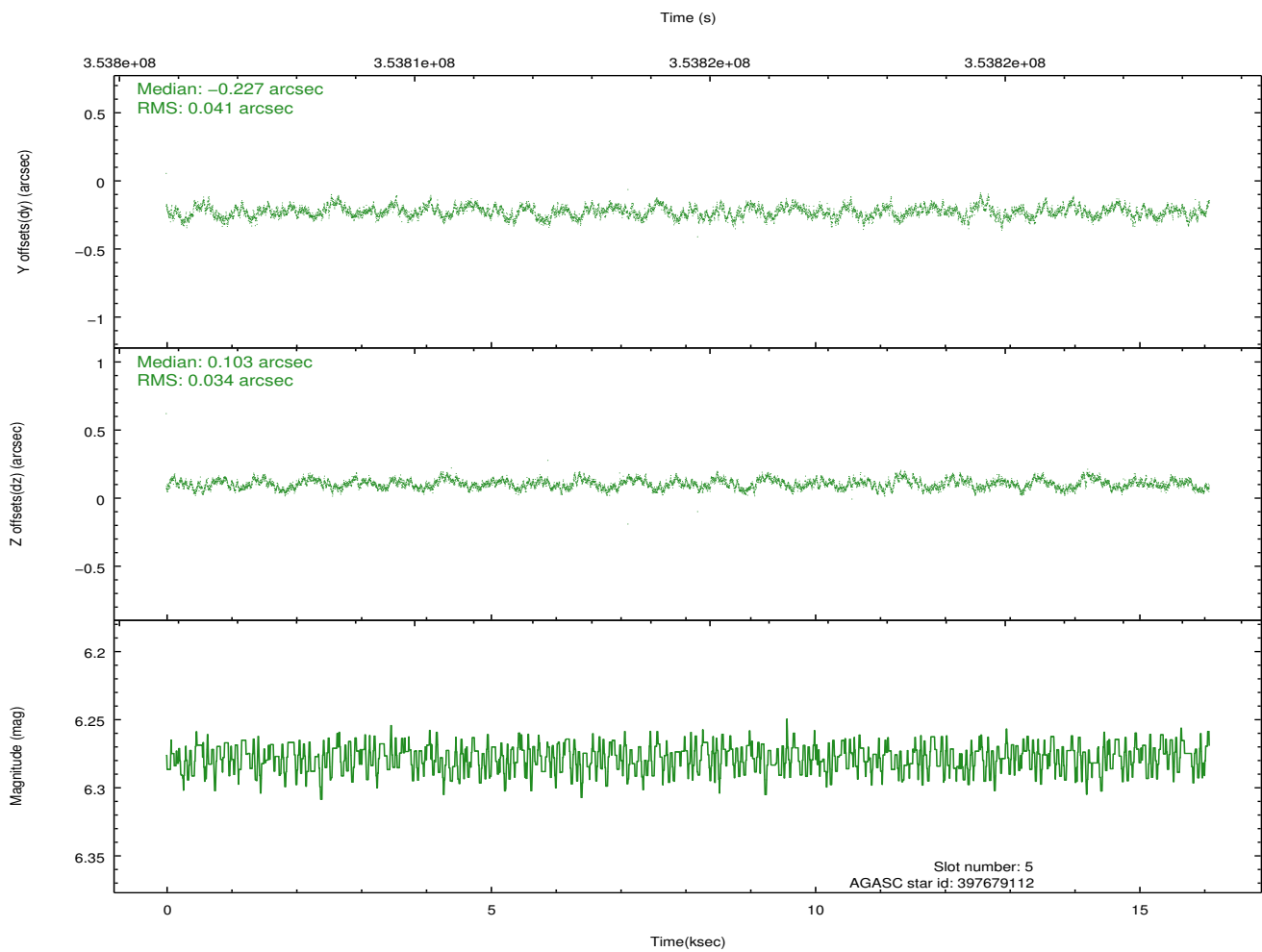
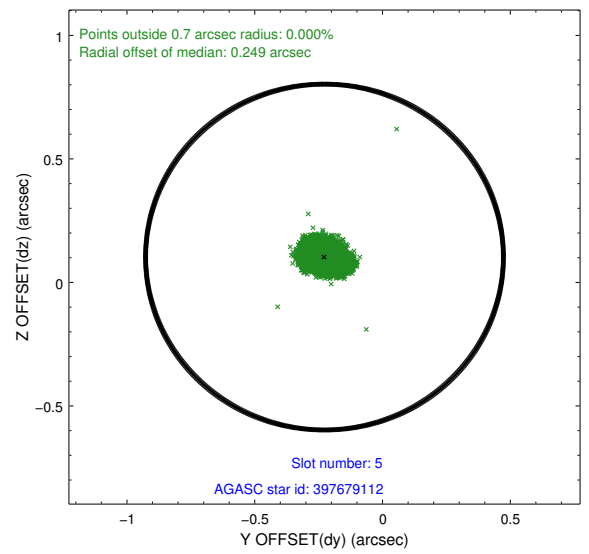
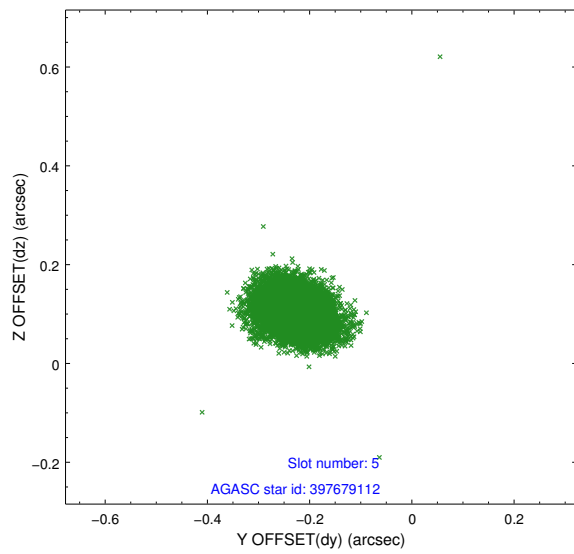
2.4.1 Slot 3



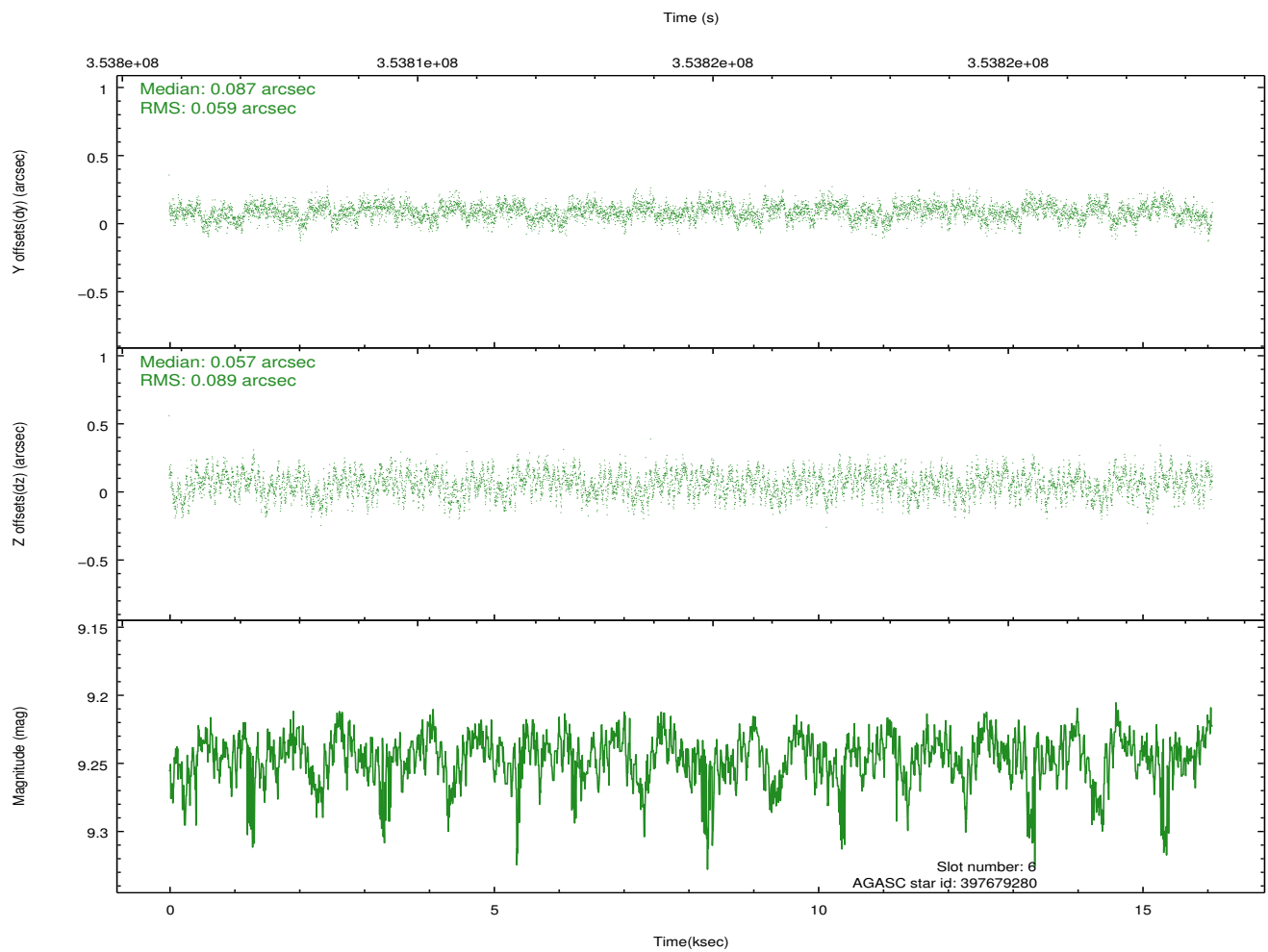
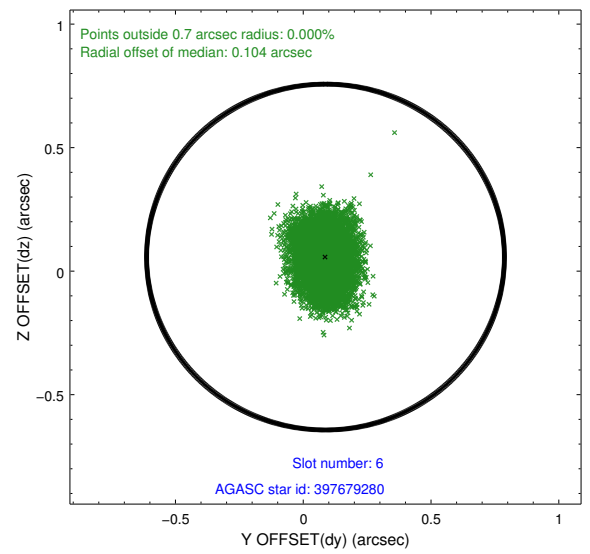
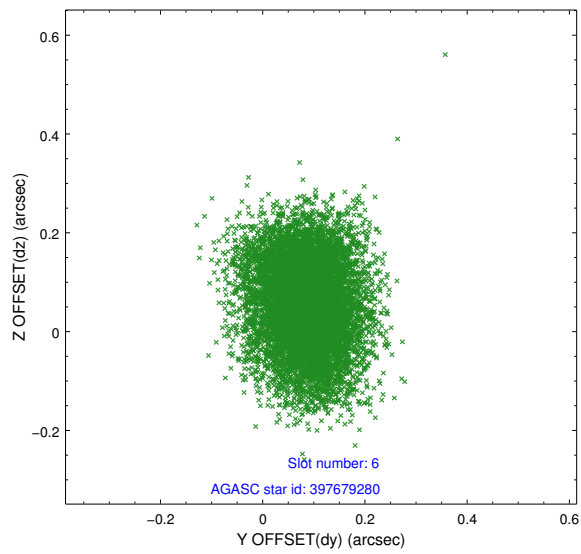
2.4.2 Slot 4



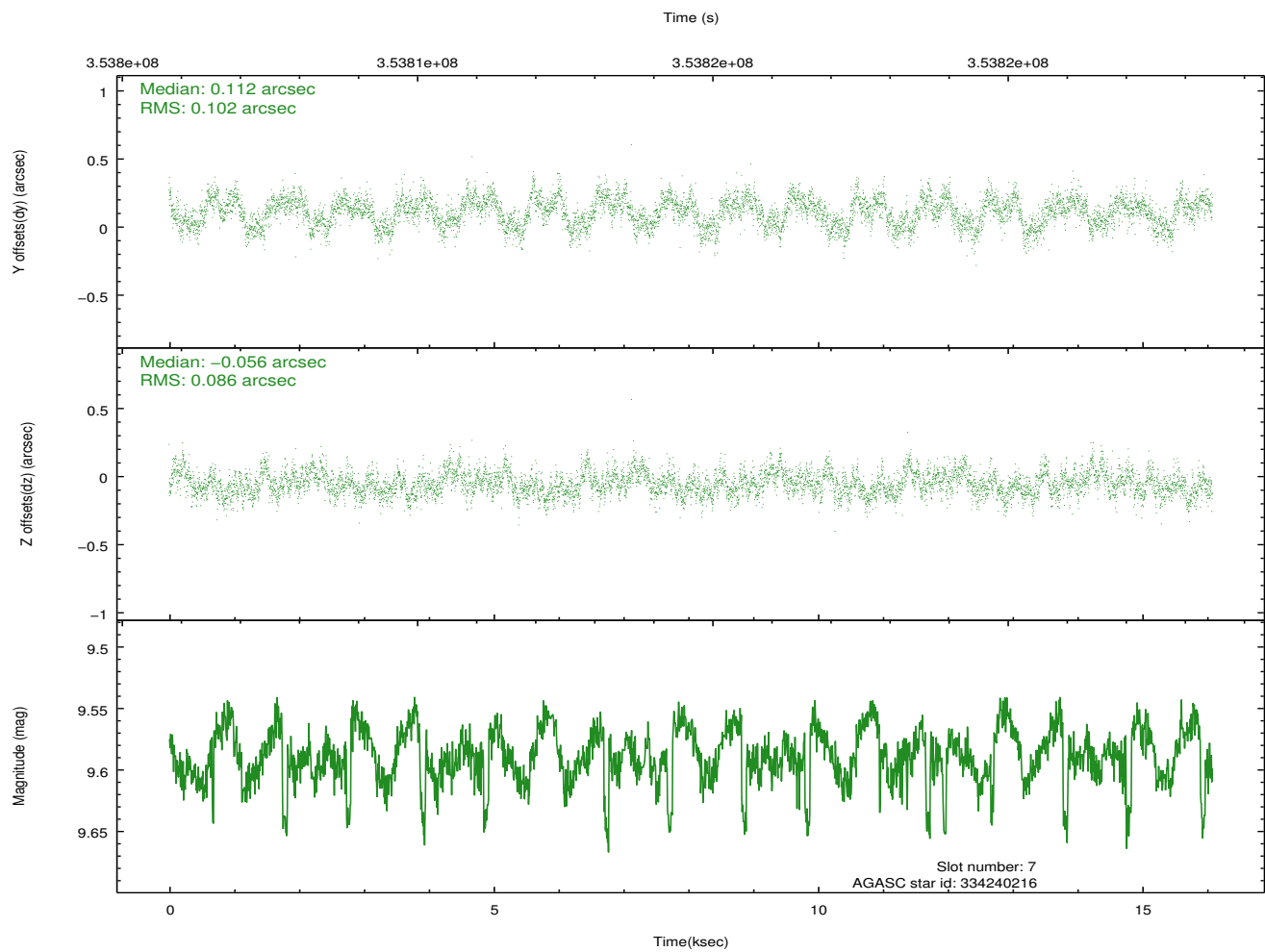
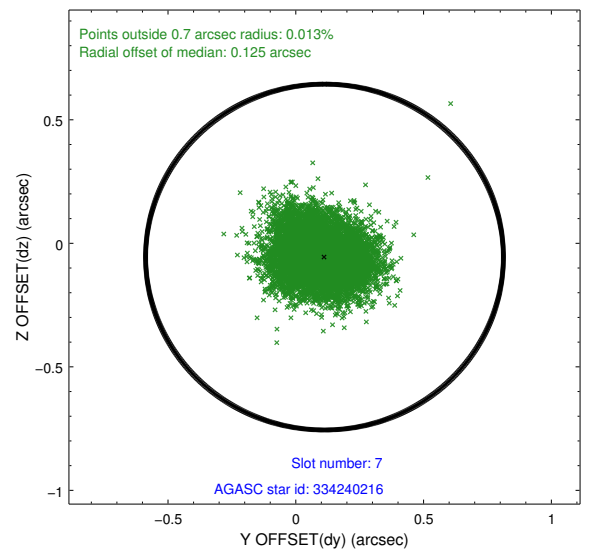
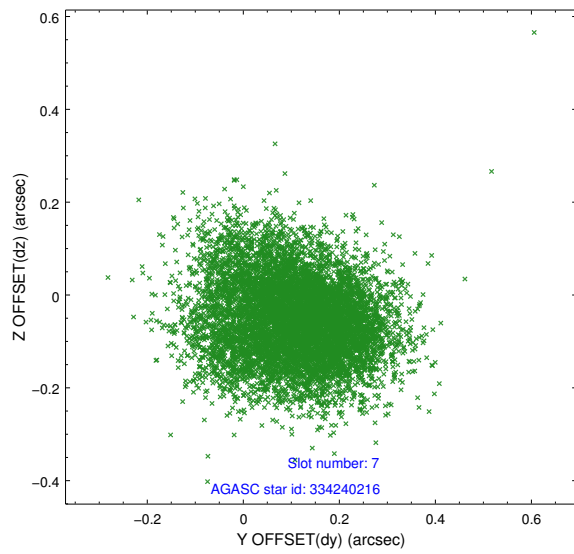
2.4.3 Slot 5



2.4.4 Slot 6

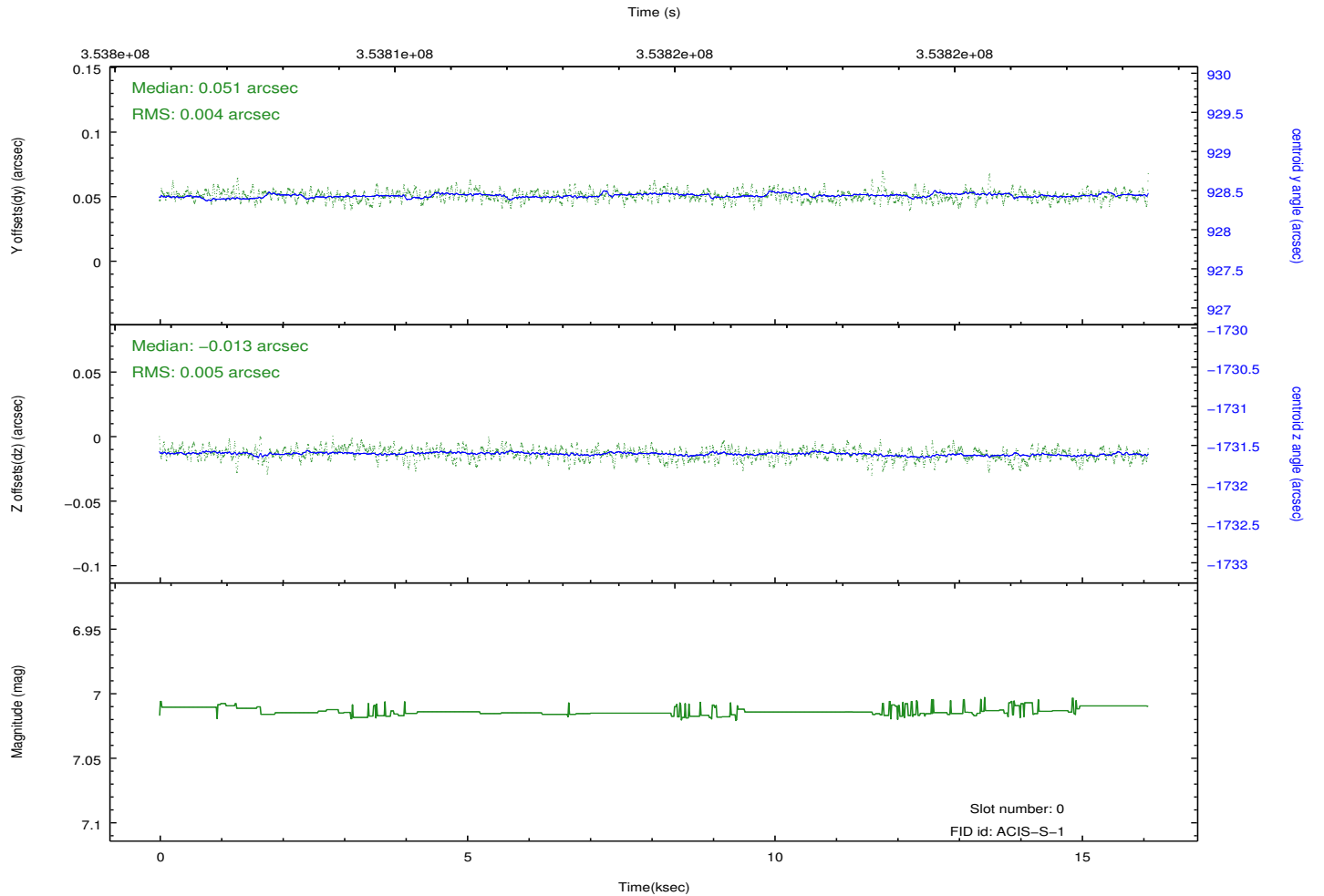
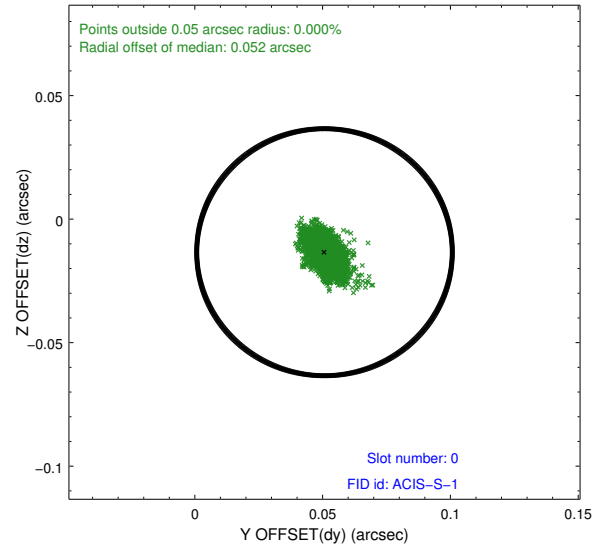
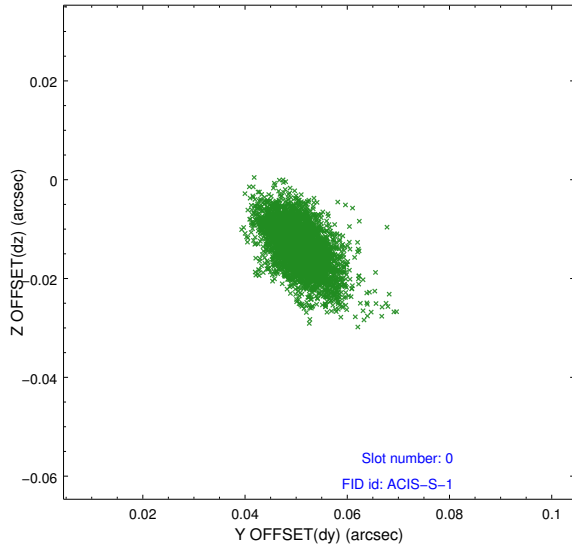


2.4.5 Slot 7

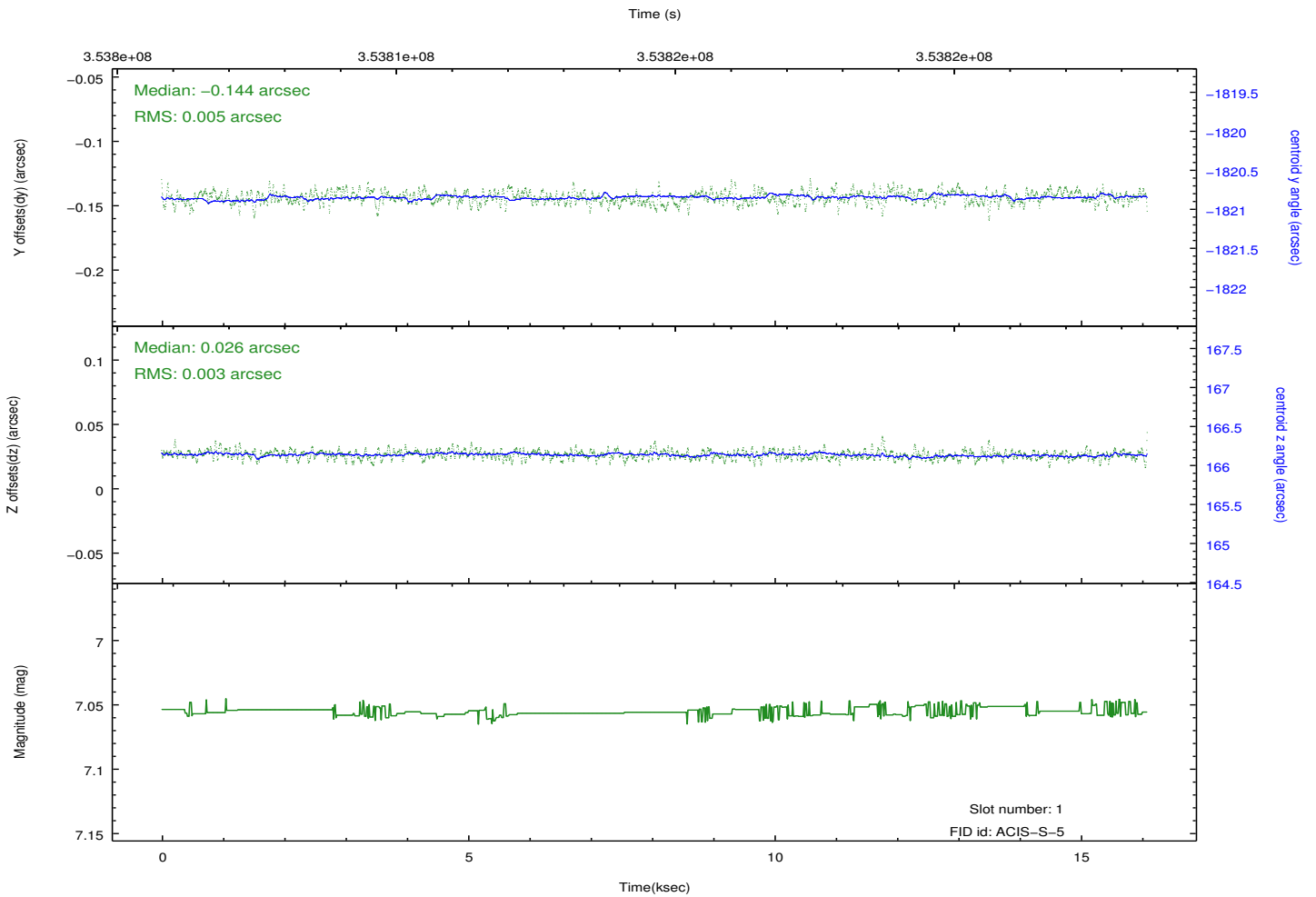
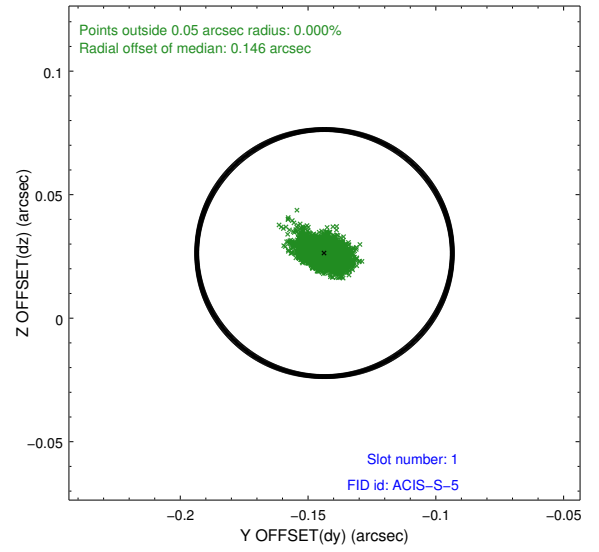
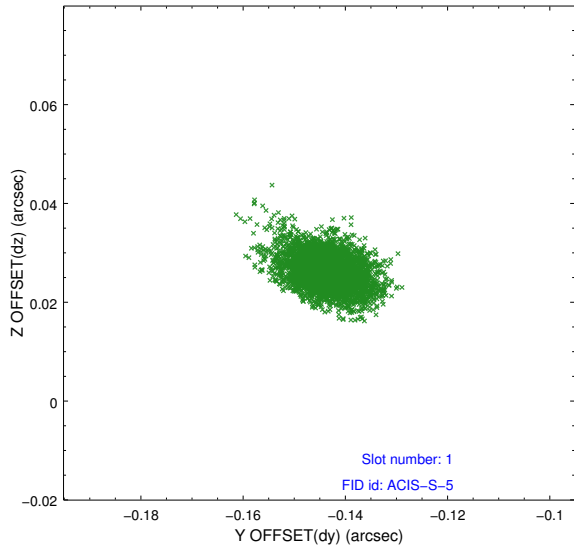


2.5 FID Slots

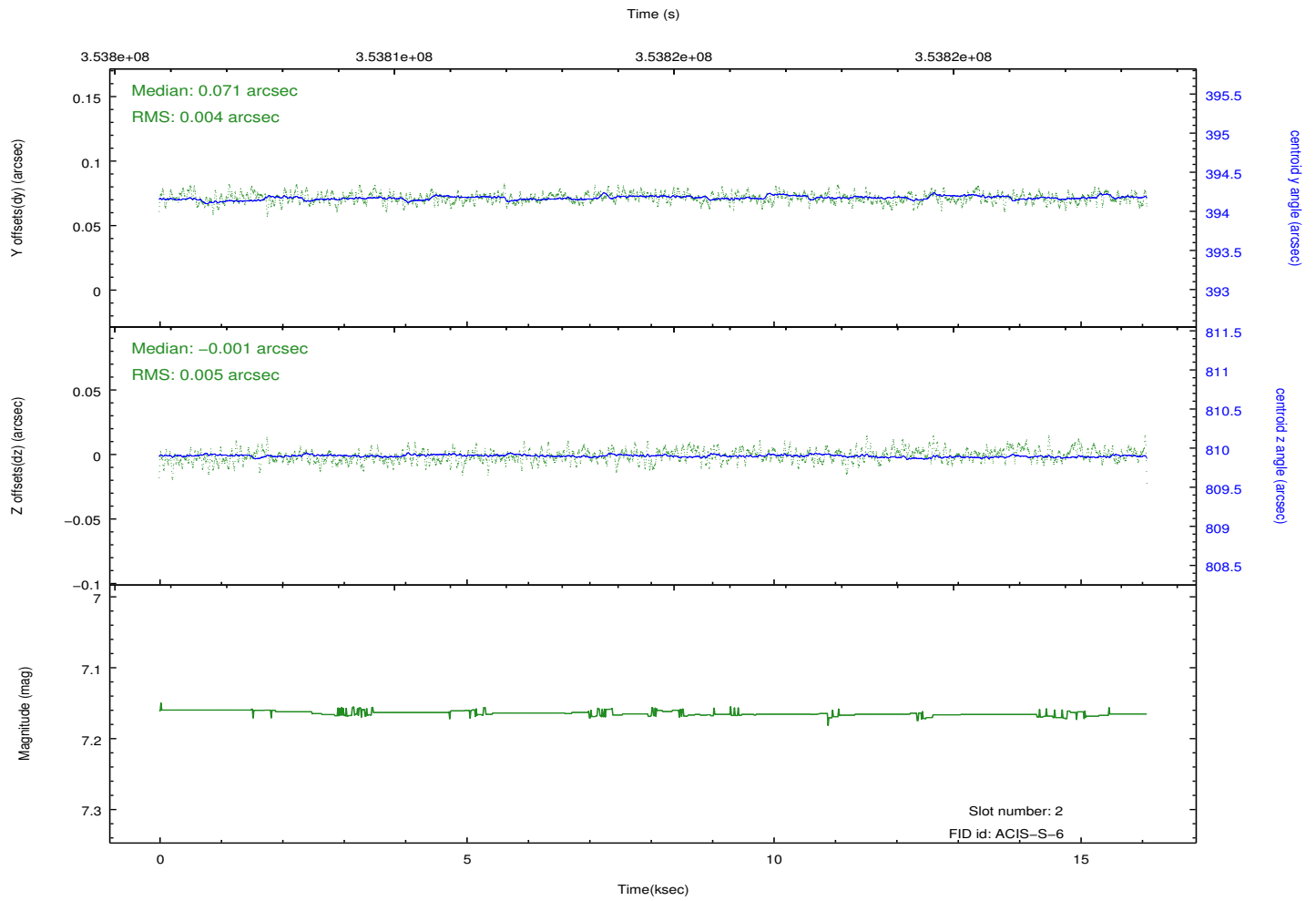
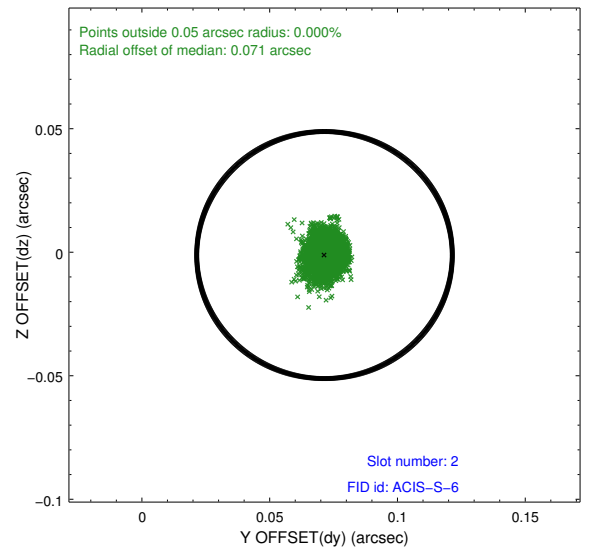
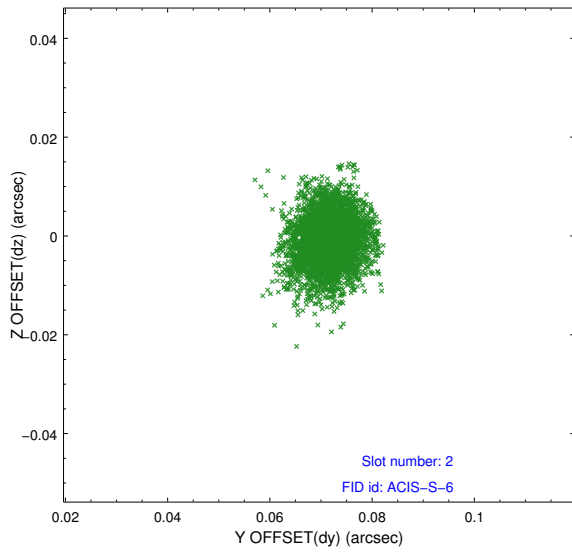
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.08

A.2 Comments