

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6249 - L2 Version 4
Chandra X-Ray Center

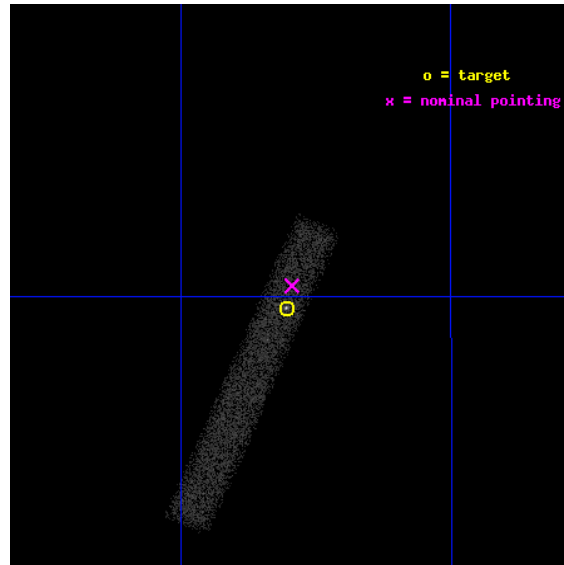
L2 Processing Date : Dec 18 2012

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1 Front

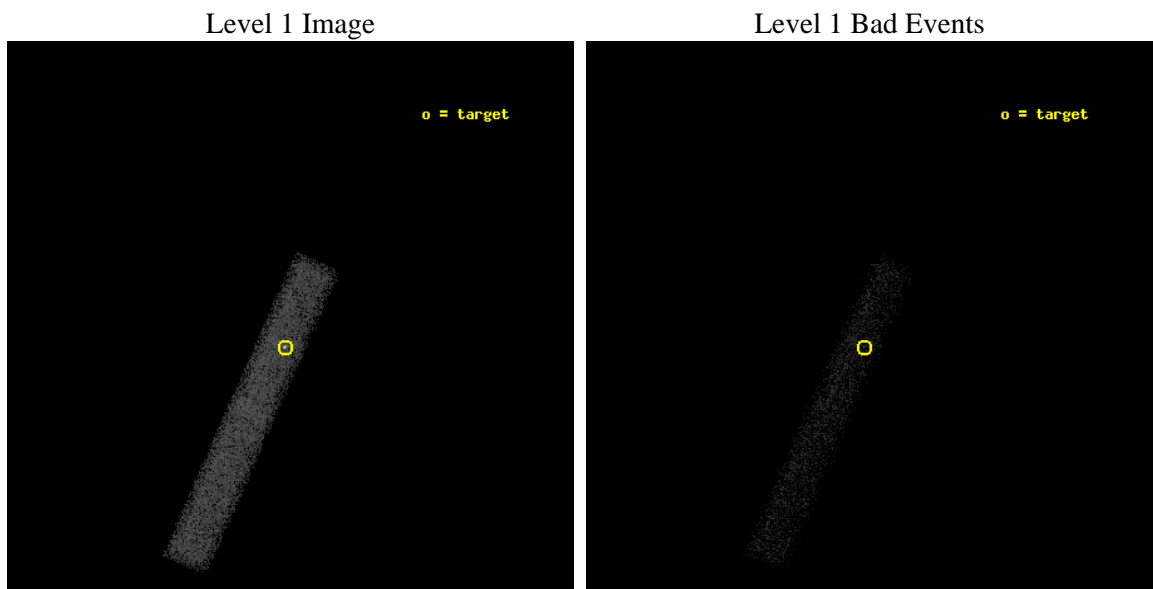
seq_num	600428	Sequence number
obs_id	6249	Observation id
title	Dust-to-gas ratio in the z=0.44 lens galaxy B1152+199	Proposal tit
observer	Dr. Kristian Pedersen	Principal investigator
object	B1152+199	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.82625	Observer's specified target RA [deg]
dec_targ	19.661722	Observer's specified target Dec [deg]
ra_nom	178.82379087632	Nominal RA [deg]
dec_nom	19.671134430331	Nominal Dec [deg]
roll_nom	113.95746779444	Nominal Roll [deg]
revision	4	Processing version of data
ontime	18136.80027023	Sum of GTIs [s]
livetime	16449.120506285	Livetime [s]
ontime7	18136.80027023	Sum of GTIs [s]
l2events	13656	Number of level 2 events



2 OBI

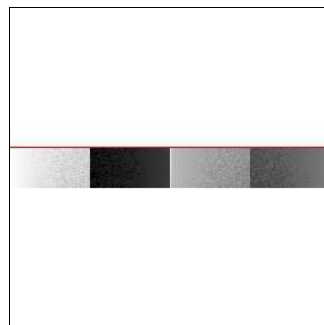
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	18136.80027023	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	18136.80027023	Sum of GTIs [s]
date	2012-12-17T18:11:45	Date and time of file creation	l1events	28109	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

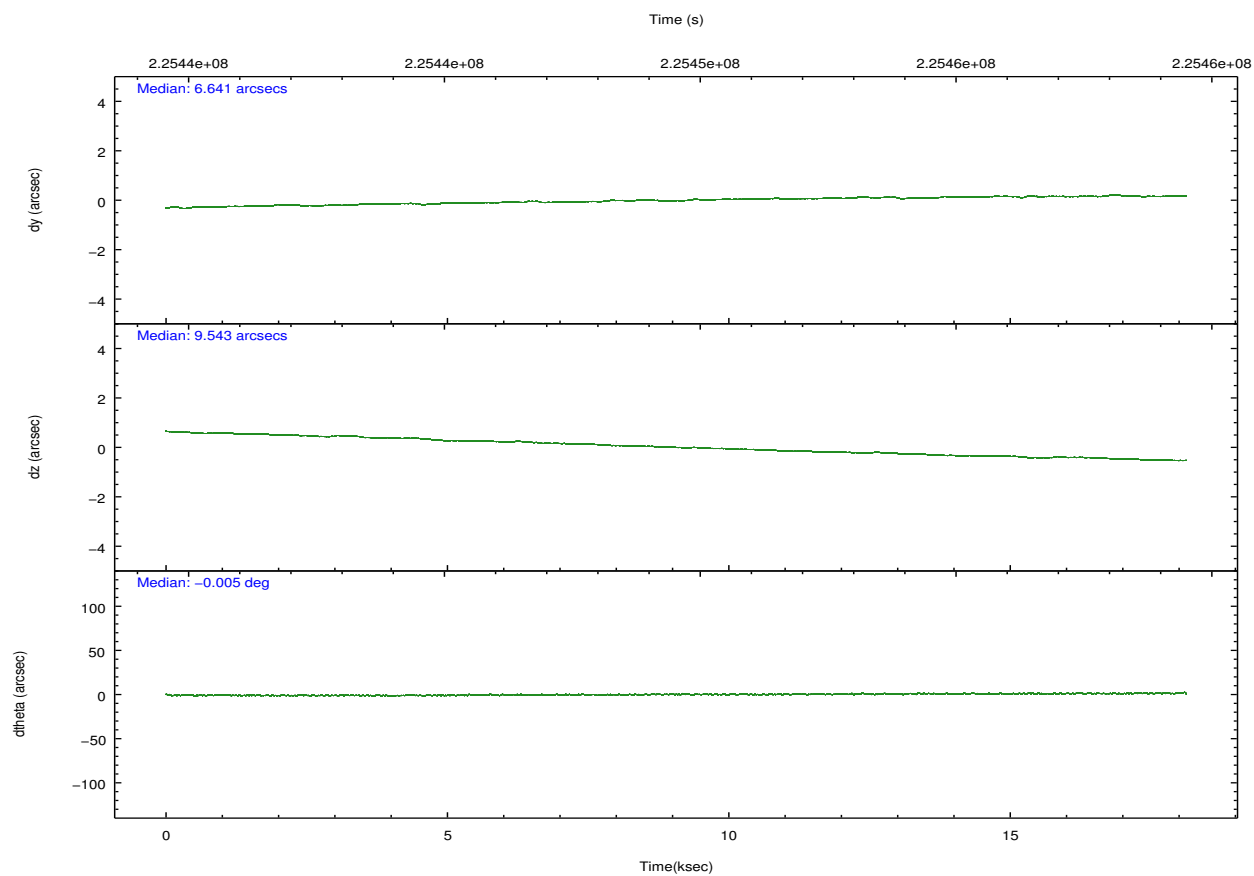
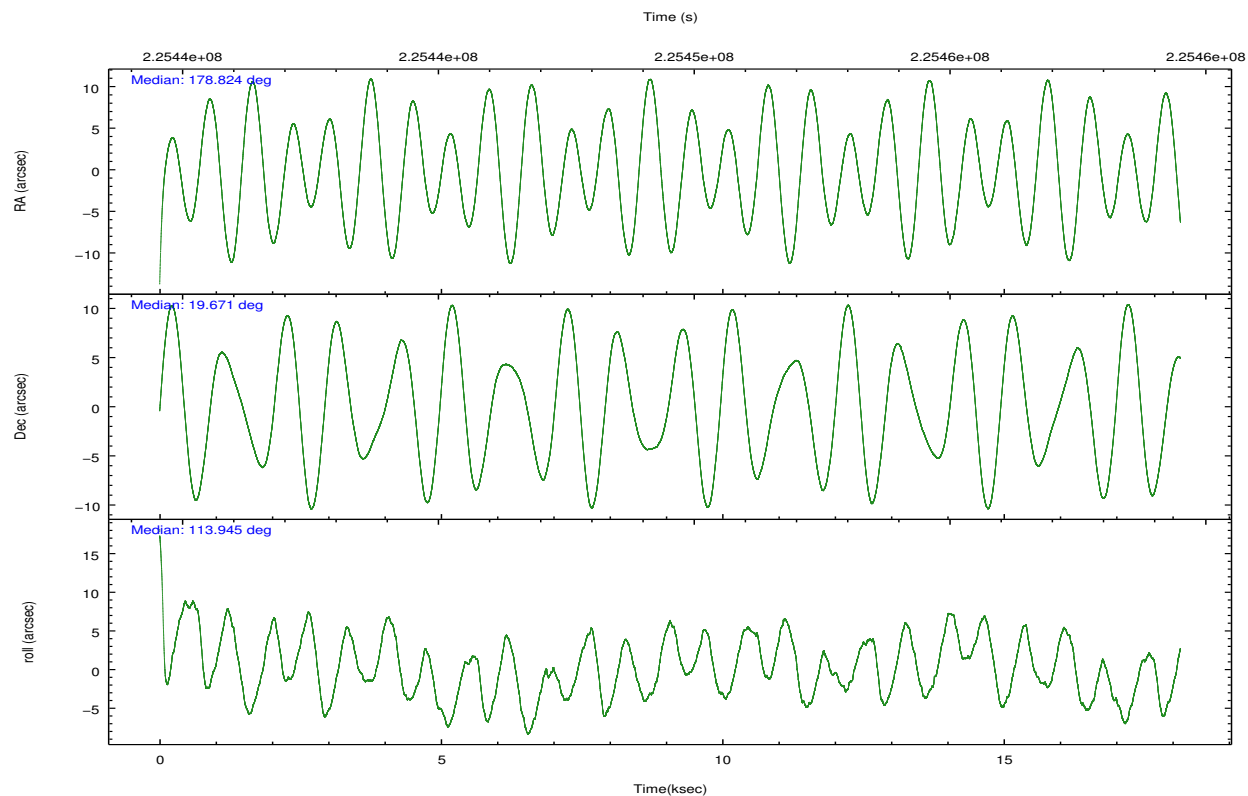
	ccd 7
level 1 events	28109
rejected events	14012
rejected %	49%

	ccd 7
grade 0 events	2270
	8%
grade 1 events	36
	0%
grade 2 events	2932
	10%
grade 3 events	1846
	6%
grade 4 events	1810
	6%
grade 5 events	2316
	8%
grade 6 events	5866
	20%
grade 7 events	11033
	39%

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	178.847399	178.823790876323	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.655379	19.67113443033136	Subarray start row	449	449
[deg] Pointing Roll	113.792888	113.9574677944429	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	225440595.184000	225439360.52841			
Observation start date	2005-02-22T06:22:11	2005-02-22T06:02:40			
[s] Observation end time (MET)	225458595.184000	225459188.12931			
Observation end date	2005-02-22T11:22:11	2005-02-22T11:33:08			
Read mode	TIMED	TIMED			

2.3 Aspect

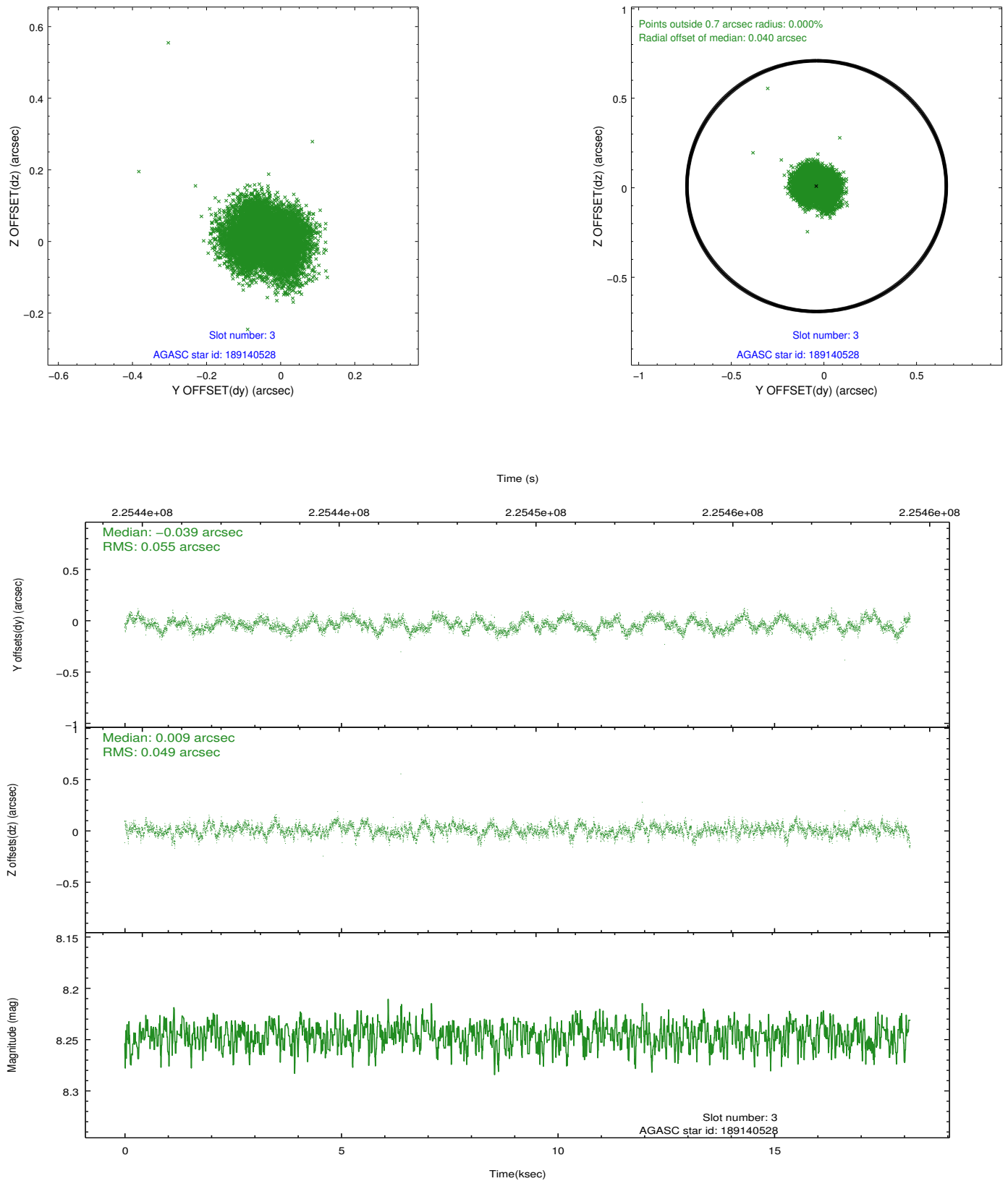


Slot Statistics

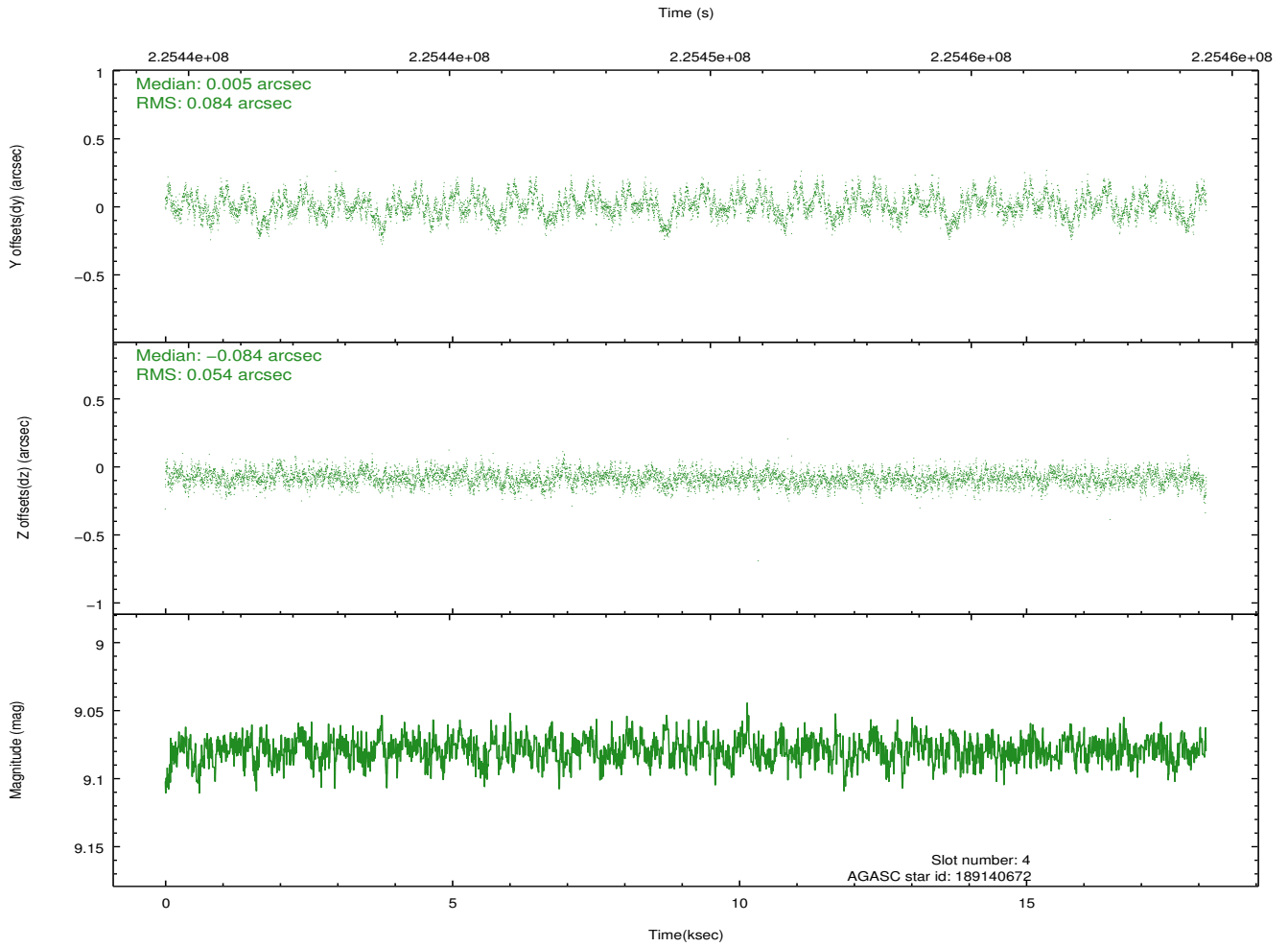
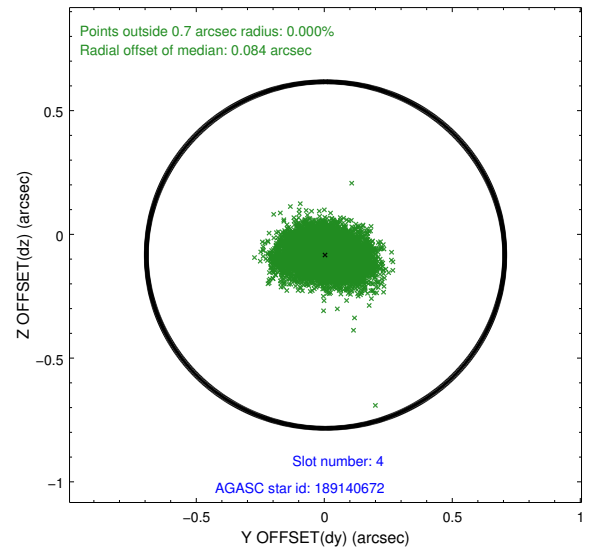
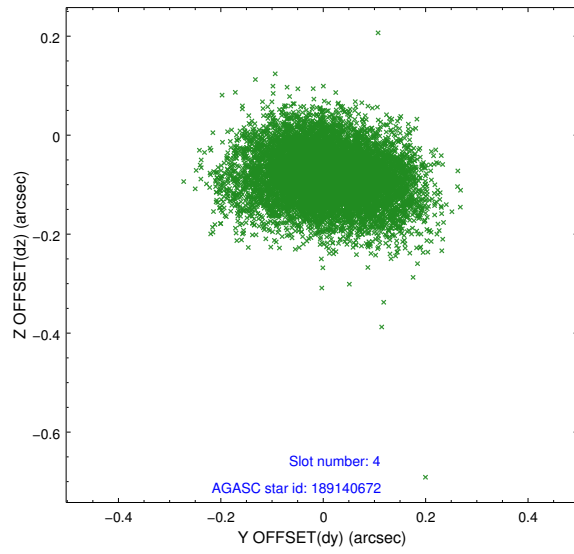
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4424	-0.048	-0.031	0.015	0.024	0.000000	0.000000	-759.39	-1730.84
1	FID	ACIS-S-4	7.20	4424	0.077	0.031	0.013	0.038	0.000000	0.000000	2153.89	177.52
2	FID	ACIS-S-5	7.23	4424	-0.064	0.006	0.012	0.017	0.000000	0.000000	-1811.99	171.36
3	GUIDE	189140528	8.25	8848	-0.039	0.009	0.080	0.124	178.633618	19.411233	-510.32	1021.09
4	GUIDE	189140672	9.08	8846	0.005	-0.084	0.106	0.176	178.601271	18.918622	-2088.72	1836.88
5	GUIDE	189143880	8.02	8848	-0.038	0.154	0.093	0.139	179.370549	19.983904	371.89	-2095.15
6	GUIDE	189152000	10.74	8678	0.079	-0.090	0.273	0.433	178.365175	19.560035	347.79	1634.69
7	GUIDE	189140696	8.43	8846	-0.026	0.022	0.075	0.121	178.646164	19.427835	-472.81	958.17

2.4 Star Slots

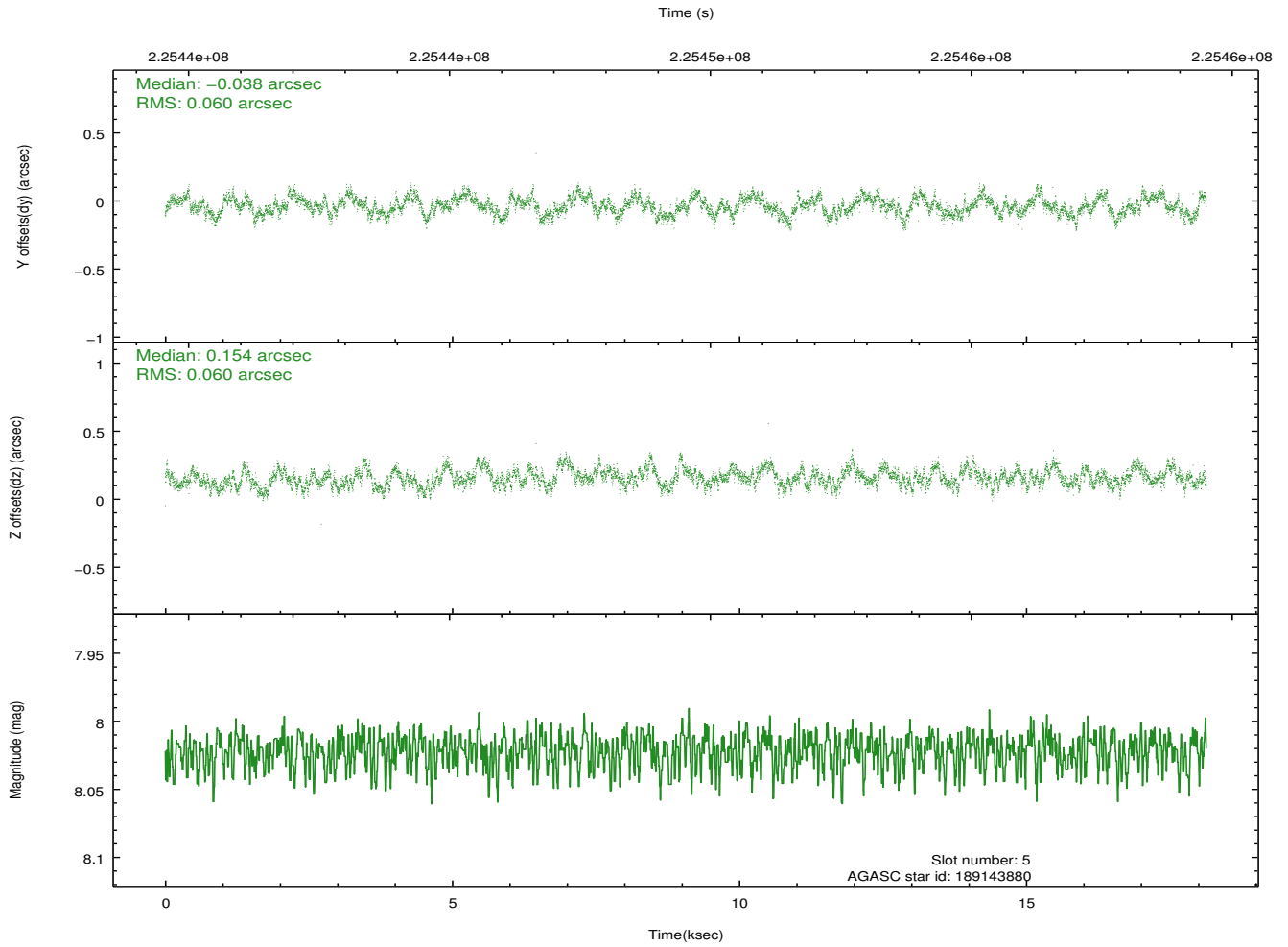
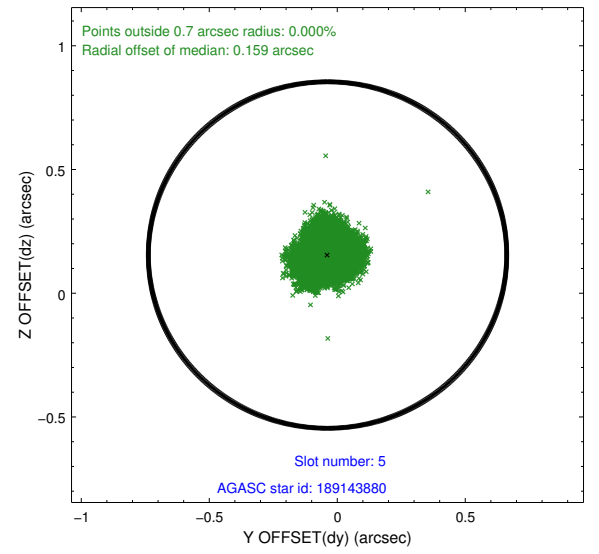
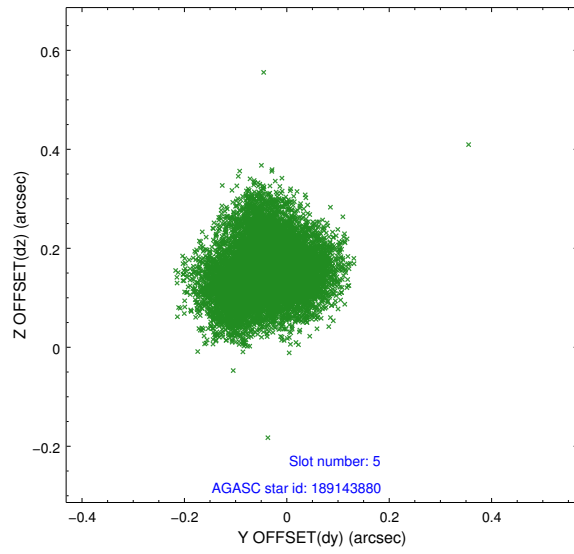
2.4.1 Slot 3



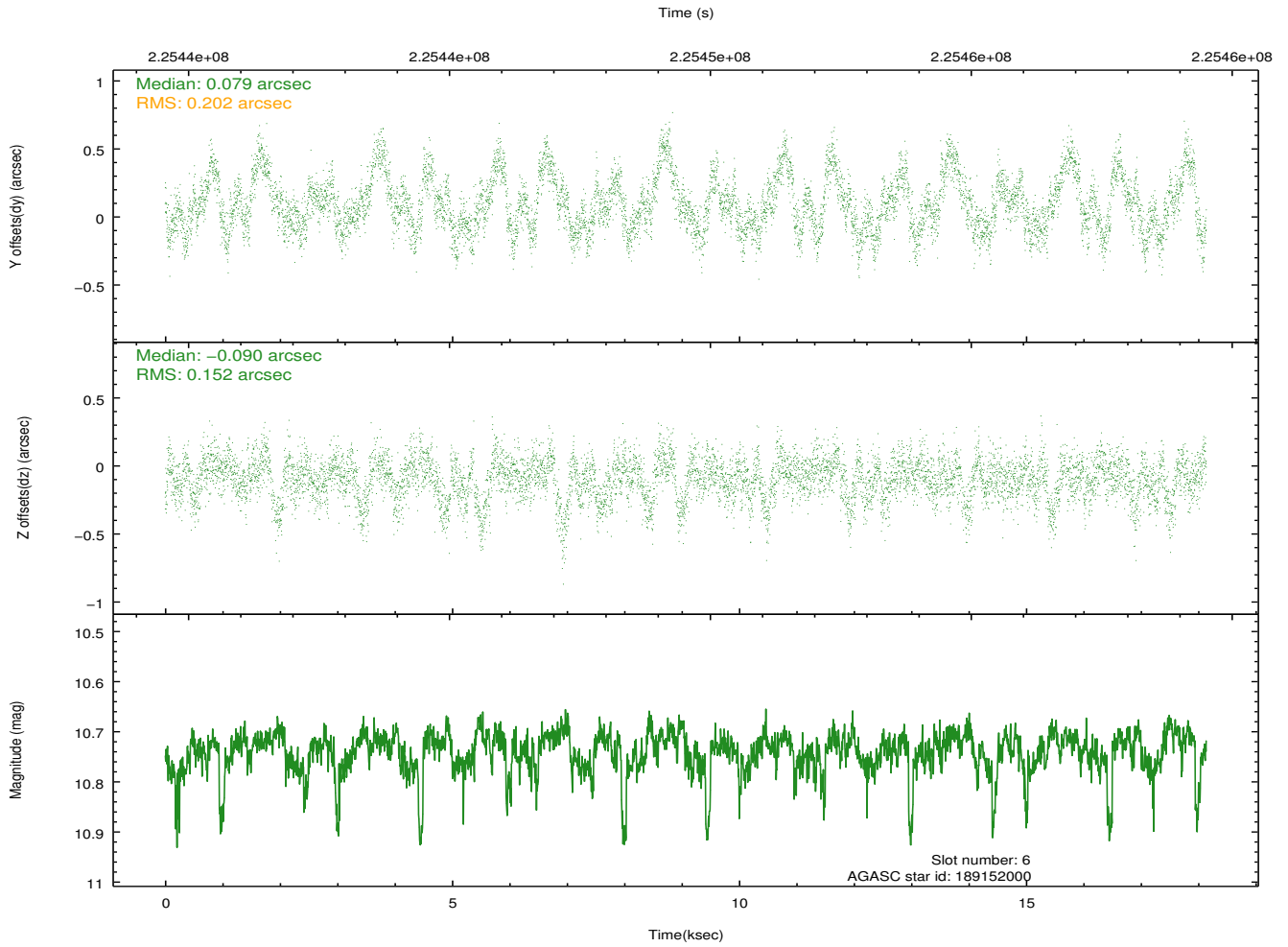
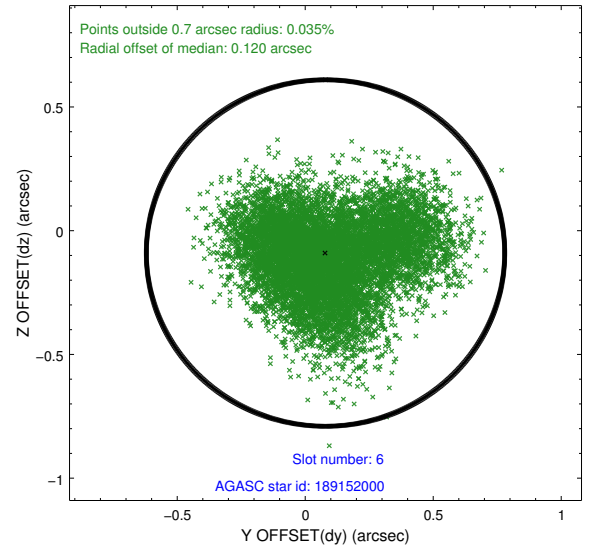
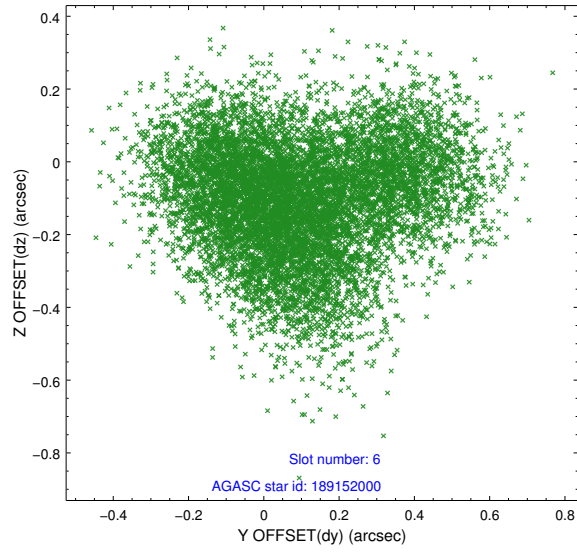
2.4.2 Slot 4



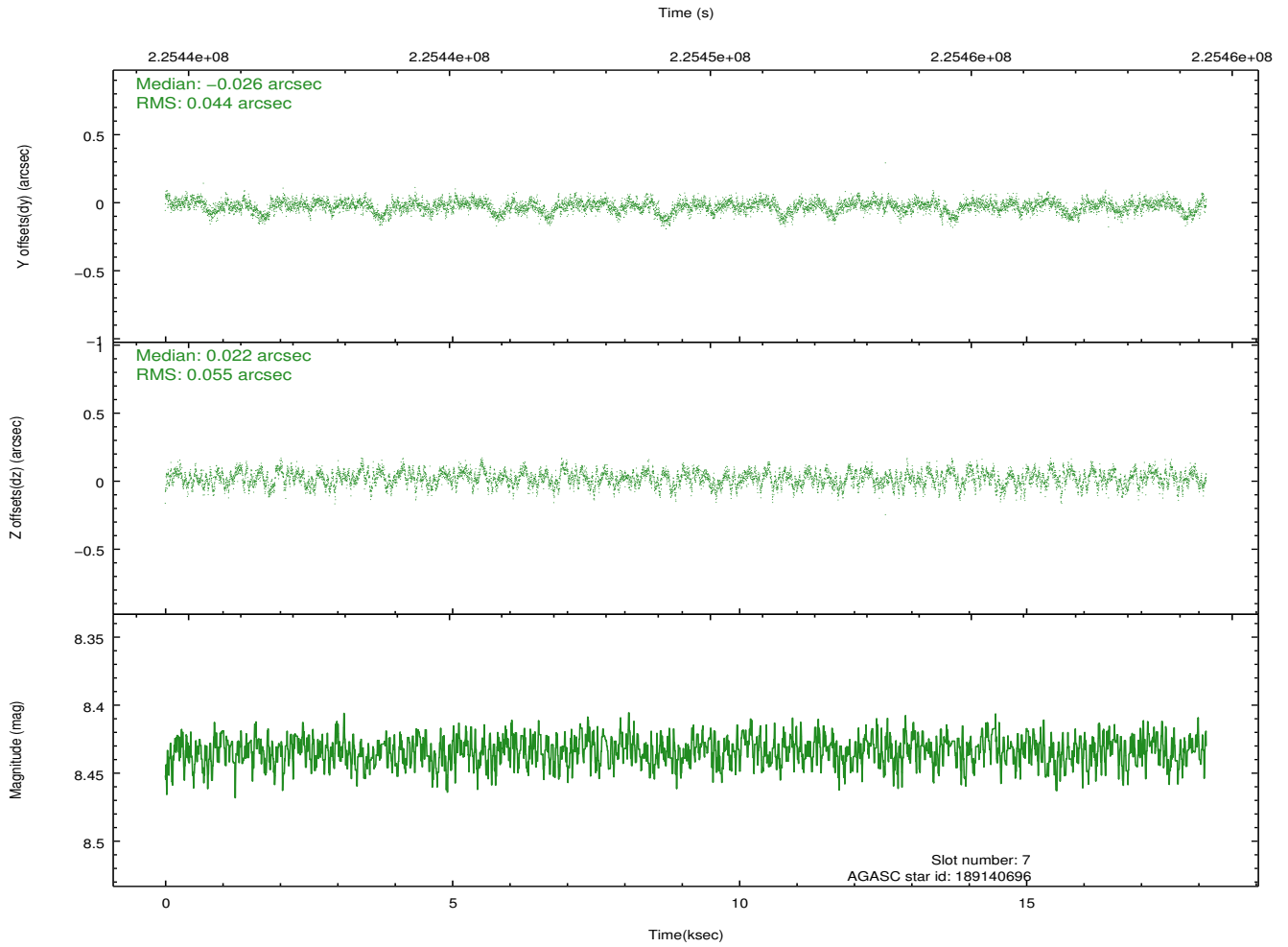
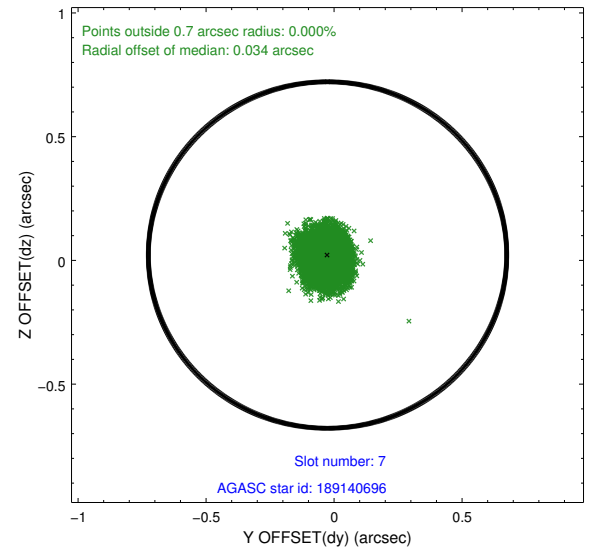
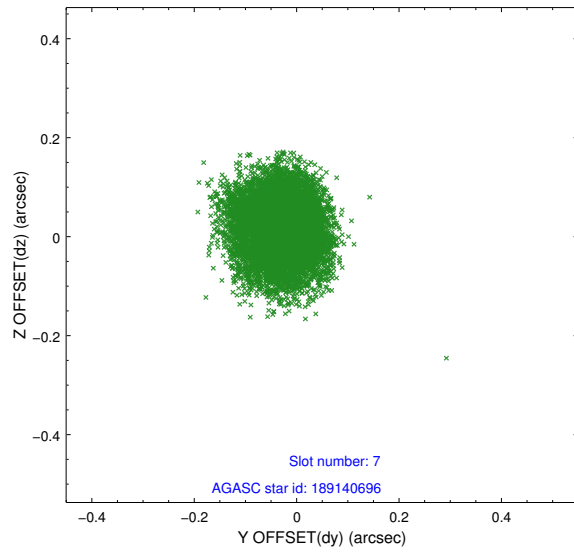
2.4.3 Slot 5



2.4.4 Slot 6

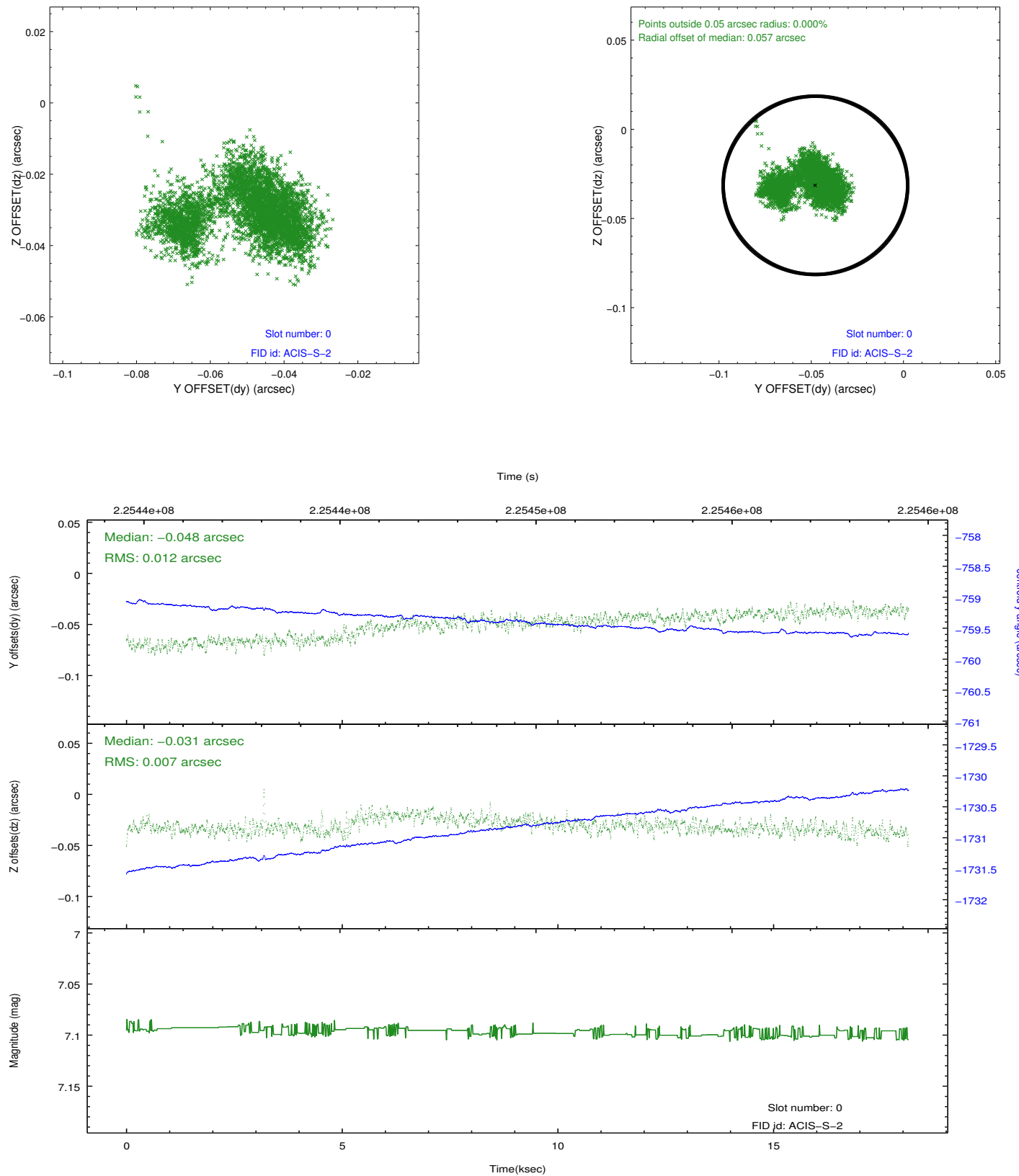


2.4.5 Slot 7

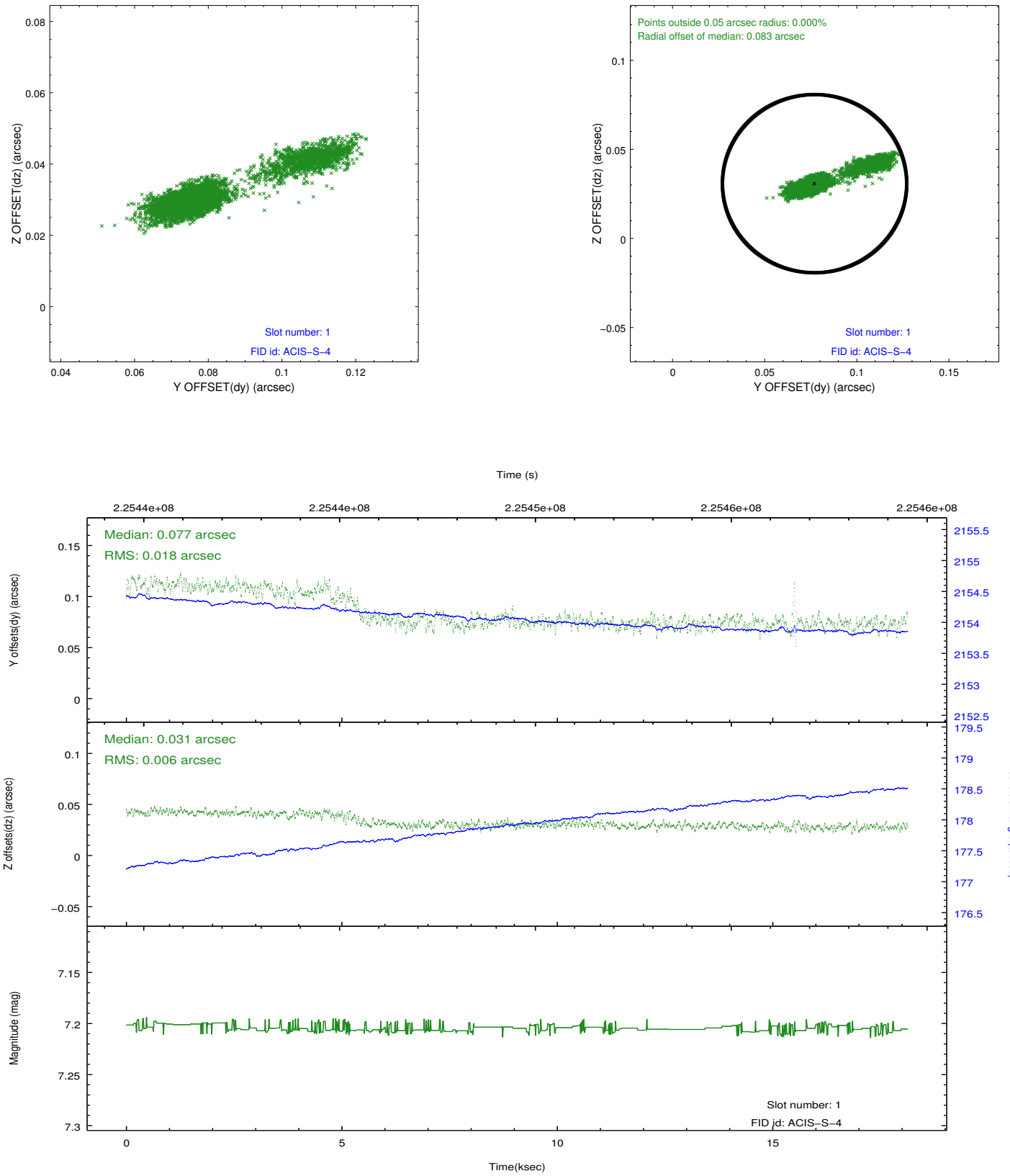


2.5 FID Slots

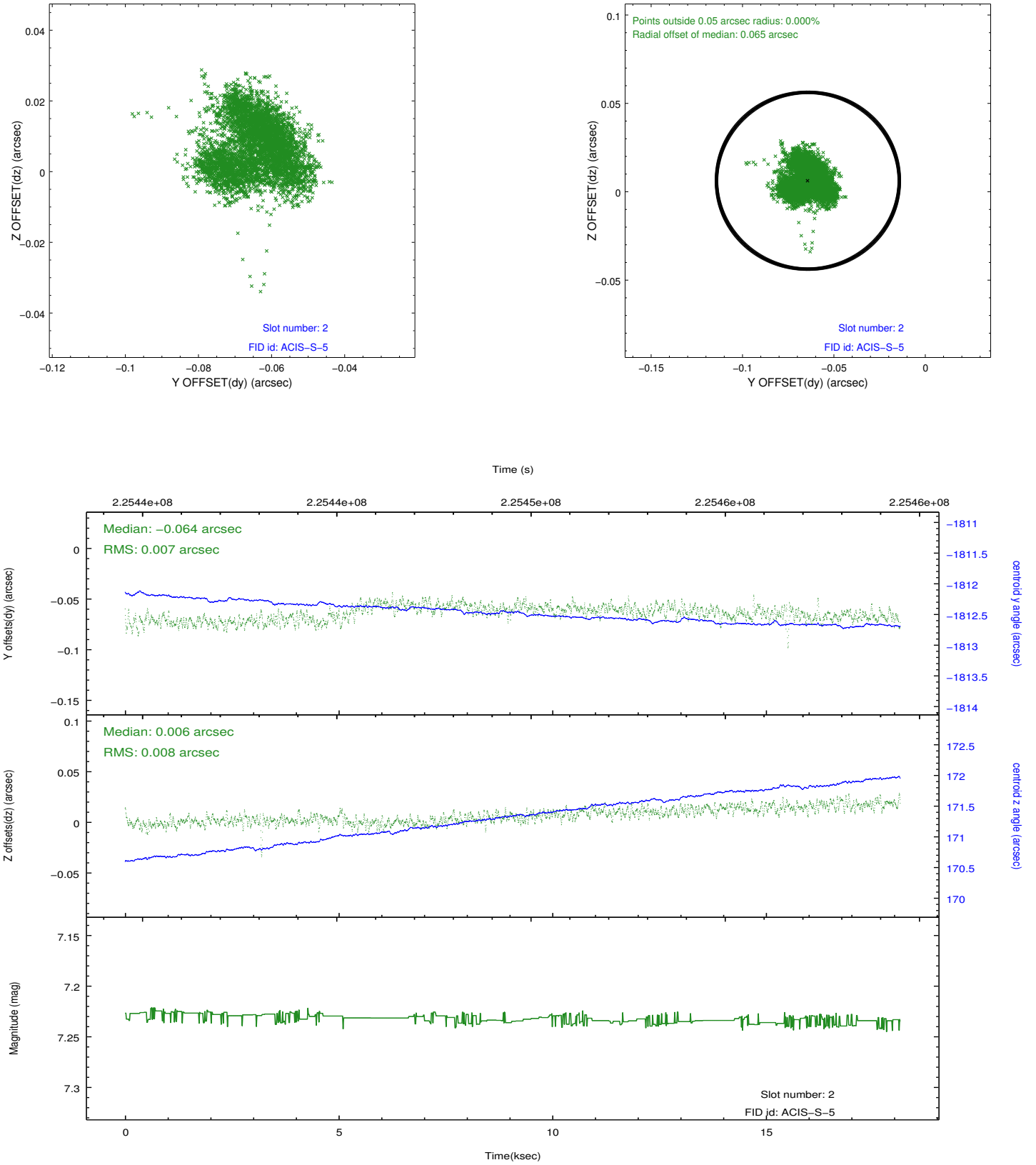
2.5.1 Slot 0



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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.1368

A.2 Comments