

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4875 - L2 Version 3
Chandra X-Ray Center

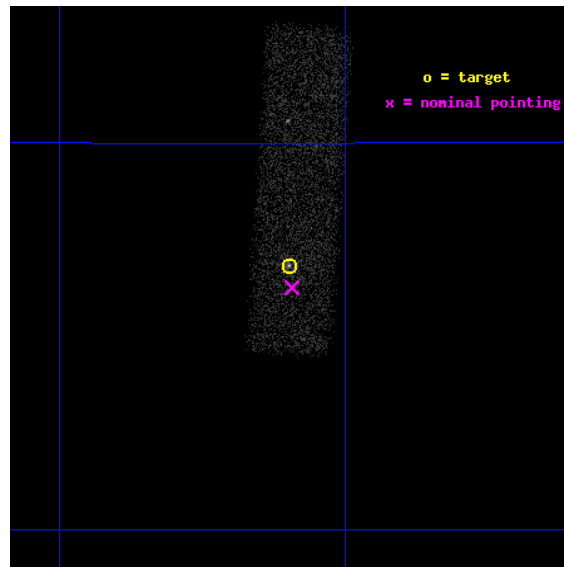
L2 Processing Date : Nov 12 2012

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

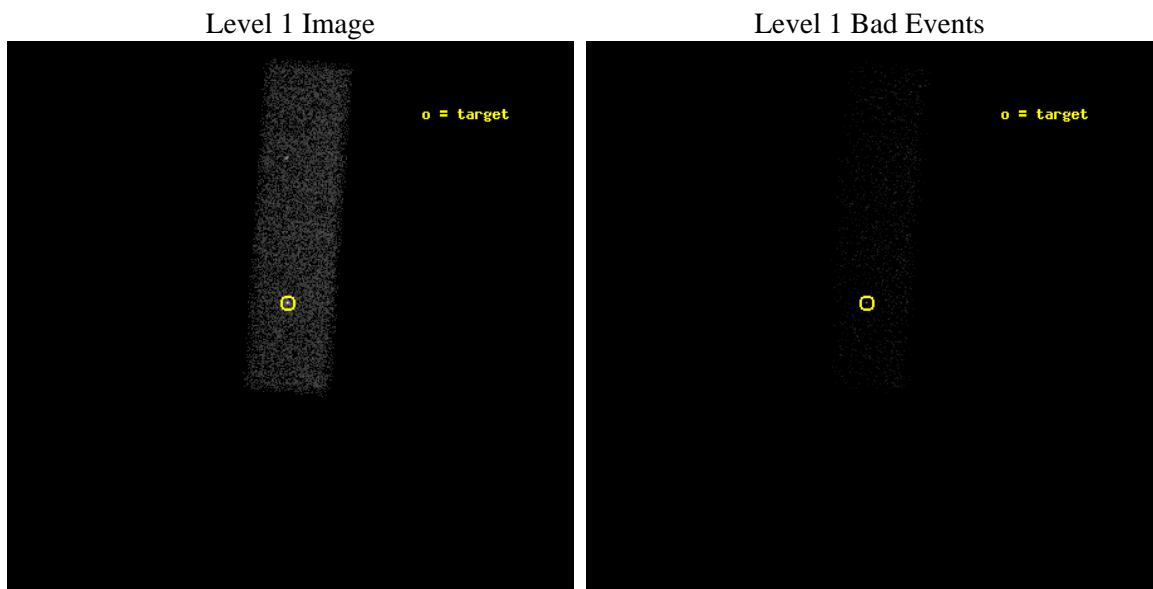
seq_num	700957	Sequence number
obs_id	4875	Observation id
title	Scattering in Seyfert 2 Galaxies With Polarized Broad Lines	Propos
observer	Dr Andrew Young	Principal investigator
object	Mrk 1210	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.024167	Observer's specified target RA [deg]
dec_targ	5.113889	Observer's specified target Dec [deg]
ra_nom	121.02316657464	Nominal RA [deg]
dec_nom	5.1042797751466	Nominal Dec [deg]
roll_nom	273.8411877398	Nominal Roll [deg]
revision	3	Processing version of data
ontime	10944.80016309	Sum of GTIs [s]
livetime	10410.729728042	Livetime [s]
ontime7	10944.80016309	Sum of GTIs [s]
l2events	10274	Number of level 2 events



2 OBI

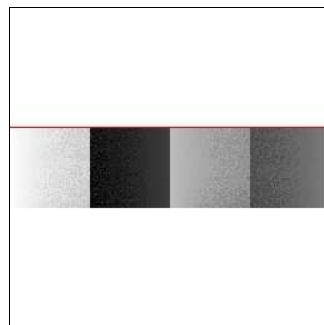
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10762.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10944.80016309	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	10944.80016309	Sum of GTIs [s]
date	2012-11-12T15:46:15	Date and time of file creation	l1events	20755	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

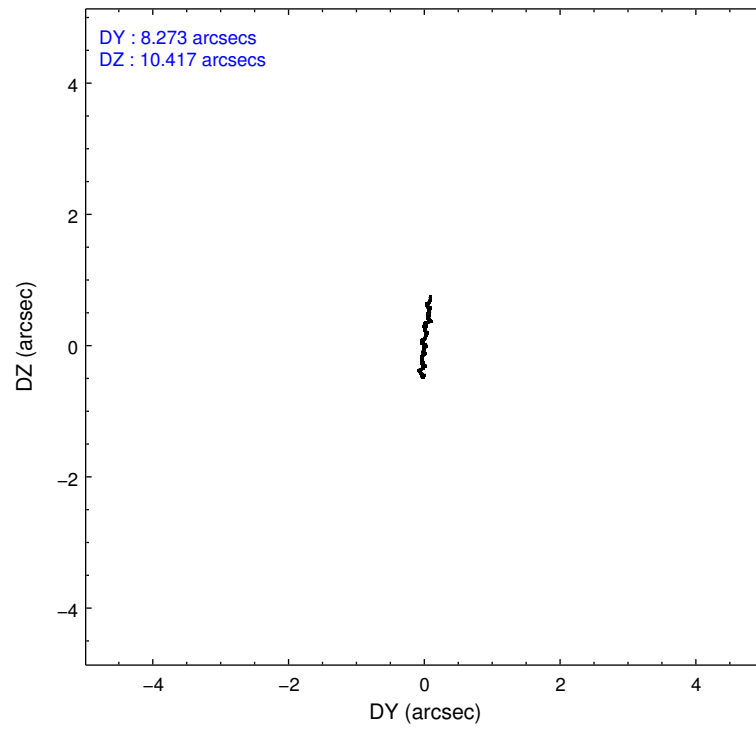
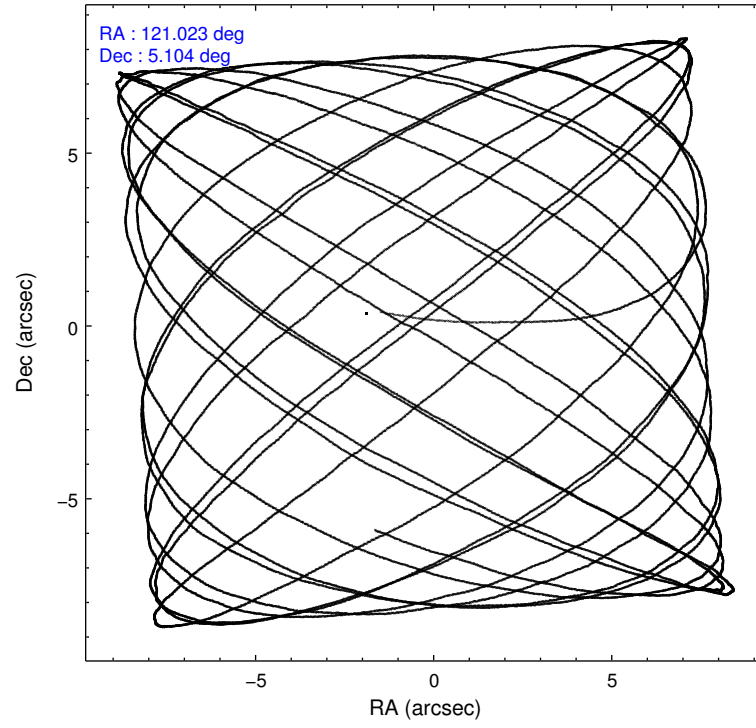
	ccd 7
level 1 events	20755
rejected events	9912
rejected %	47%

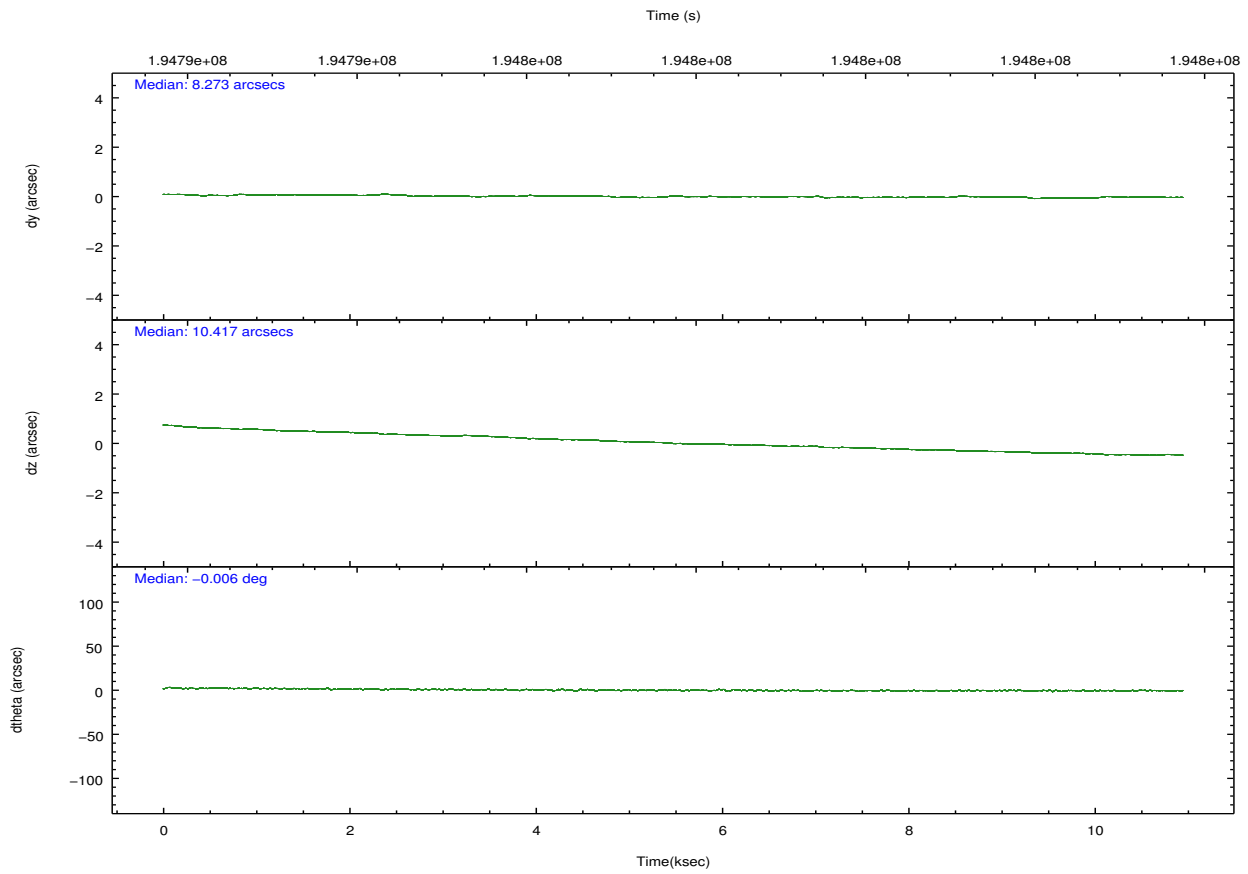
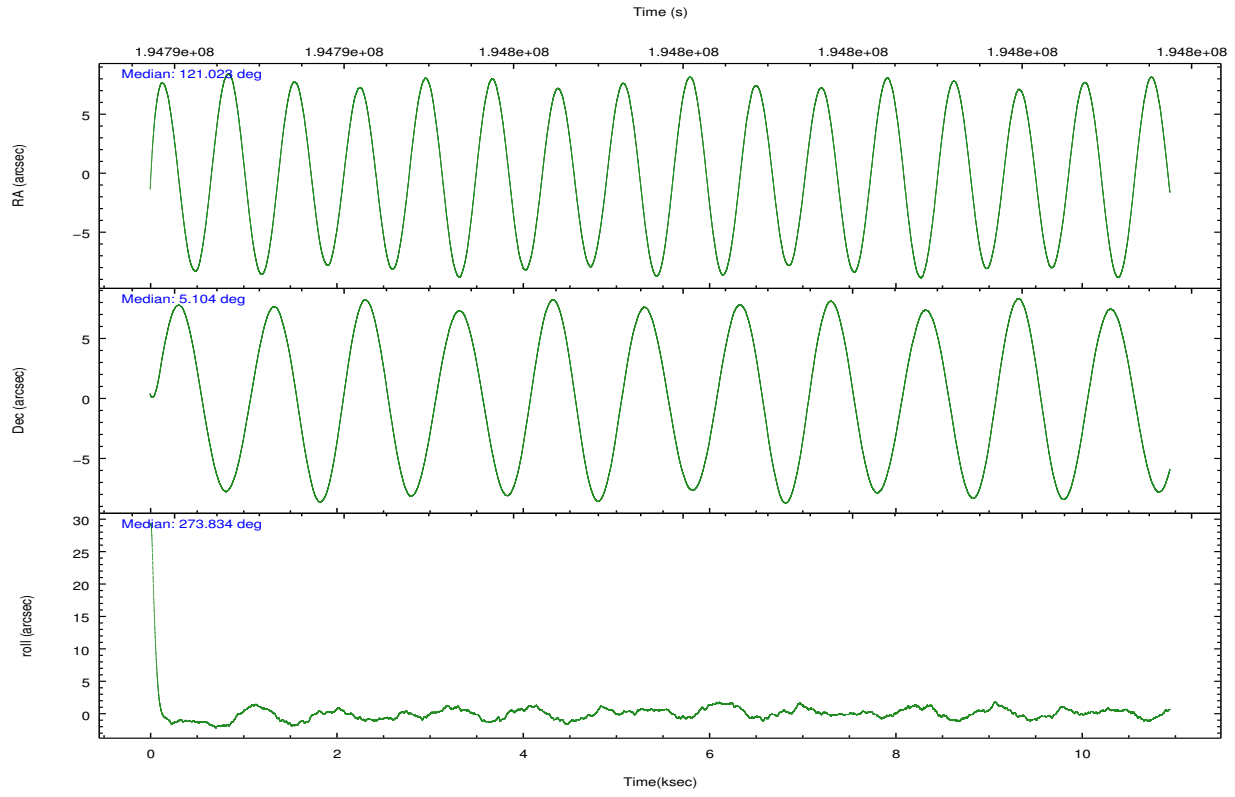
	ccd 7
grade 0 events	1577
	7%
grade 1 events	21
	0%
grade 2 events	2362
	11%
grade 3 events	1313
	6%
grade 4 events	1314
	6%
grade 5 events	2018
	9%
grade 6 events	4825
	23%
grade 7 events	7325
	35%

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	121.007580	121.0231665746384	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	5.126684	5.104279775146621	Subarray start row	385	385
[deg] Pointing Roll	273.685916	273.8411877398025	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)	194792434.184000	194789726.13762			
Observation start date	2004-03-04T12:59:30	2004-03-04T12:15:26			
[s] Observation end time (MET)	194803196.184000	194804069.98825			
Observation end date	2004-03-04T15:58:52	2004-03-04T16:14:29			
Read mode	TIMED	TIMED			

2.3 Aspect



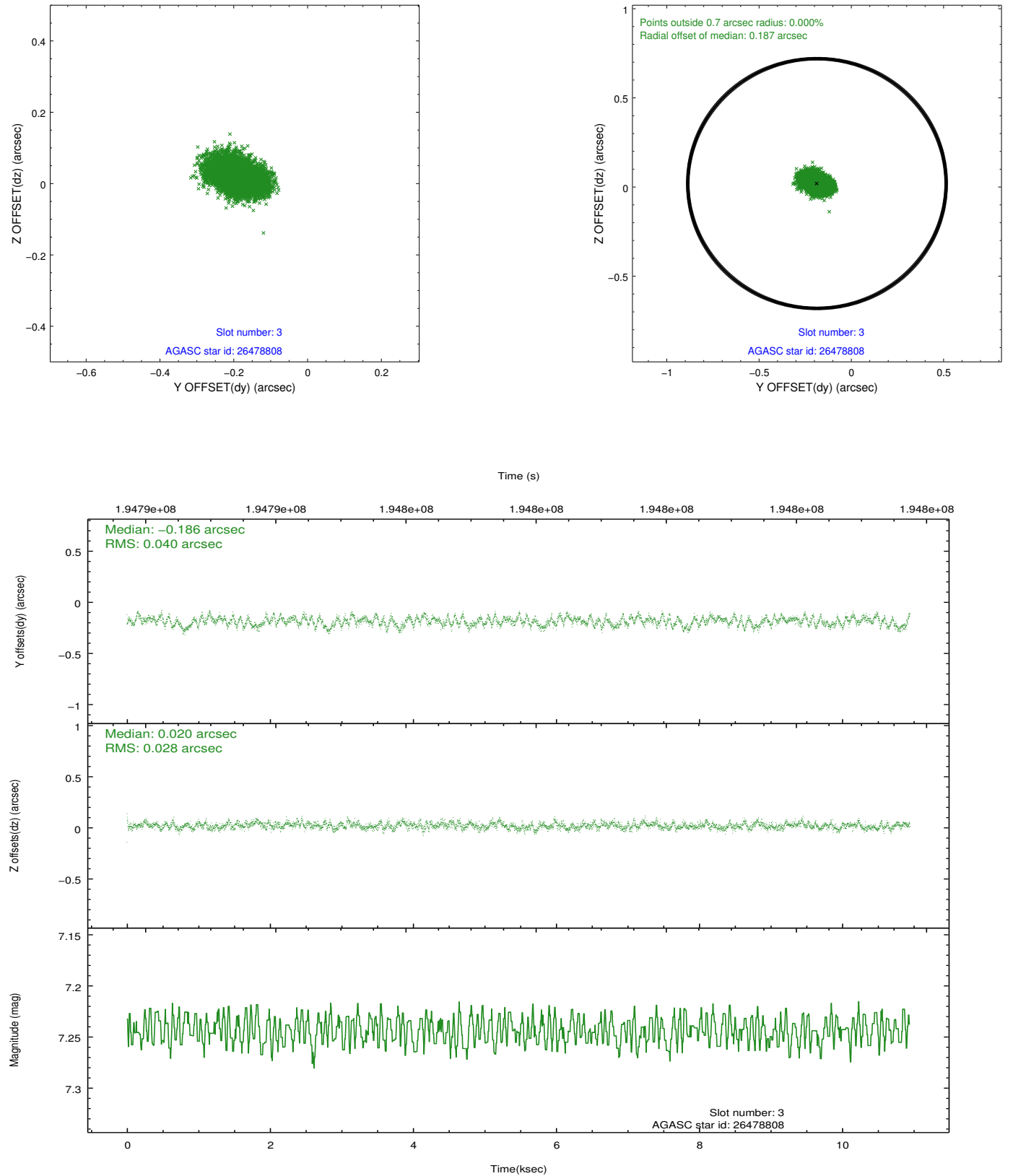


Slot Statistics

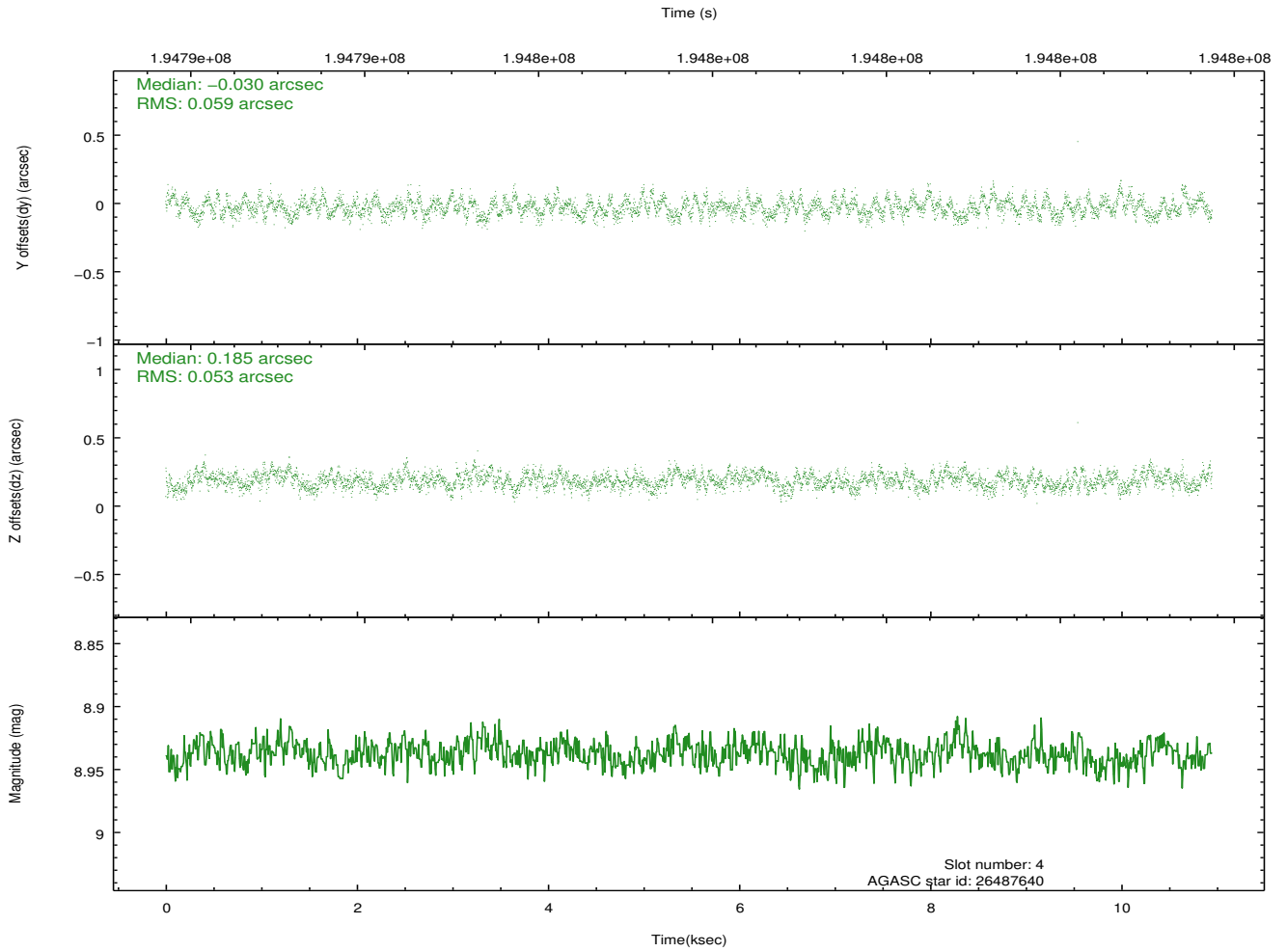
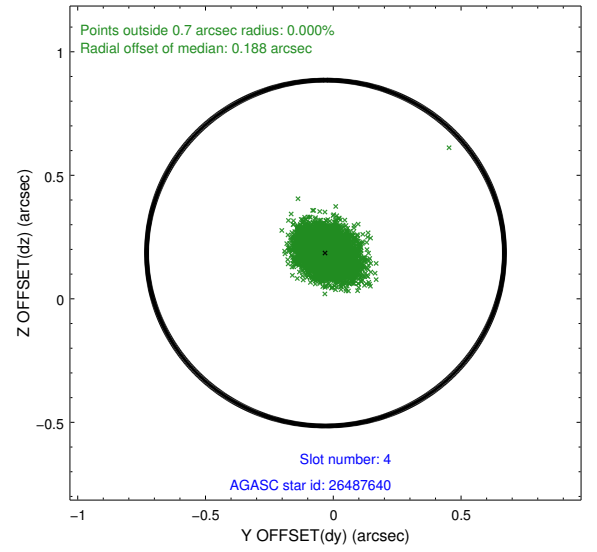
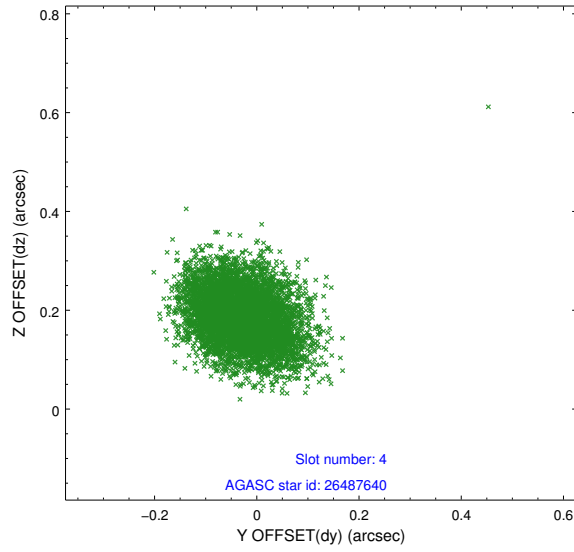
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2669	0.034	-0.043	0.023	0.034	0.000000	0.000000	935.01	-1727.40
1	FID	ACIS-S-5	7.24	2669	-0.066	0.022	0.008	0.012	0.000000	0.000000	-1813.83	169.74
2	FID	ACIS-S-6	7.34	2670	0.011	0.034	0.021	0.031	0.000000	0.000000	400.03	814.24
3	GUIDE	26478808	7.24	5340	-0.186	0.020	0.052	0.085	121.530150	5.559485	-1435.54	1968.63
4	GUIDE	26487640	8.94	5338	-0.030	0.185	0.084	0.134	121.326715	5.418691	-976.04	1209.41
5	GUIDE	26487648	9.35	5340	0.291	-0.082	0.085	0.140	121.080640	4.583420	1968.85	136.31
6	GUIDE	26479800	7.60	5341	-0.107	0.006	0.045	0.073	121.536270	5.582081	-1514.89	1995.68
7	GUIDE	26487192	6.90	5340	0.035	-0.128	0.062	0.107	120.481632	4.541449	1980.69	-2018.55

2.4 Star Slots

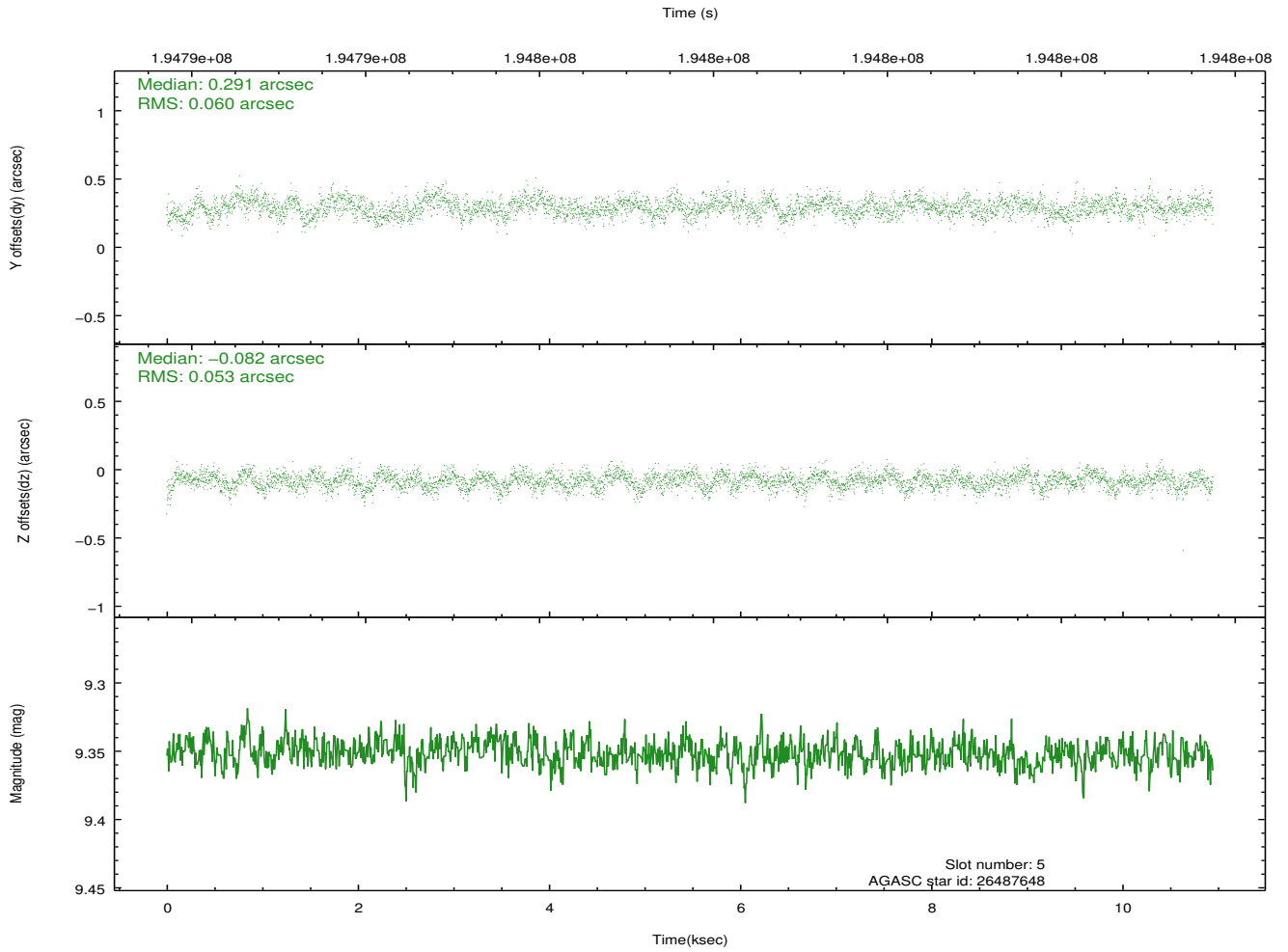
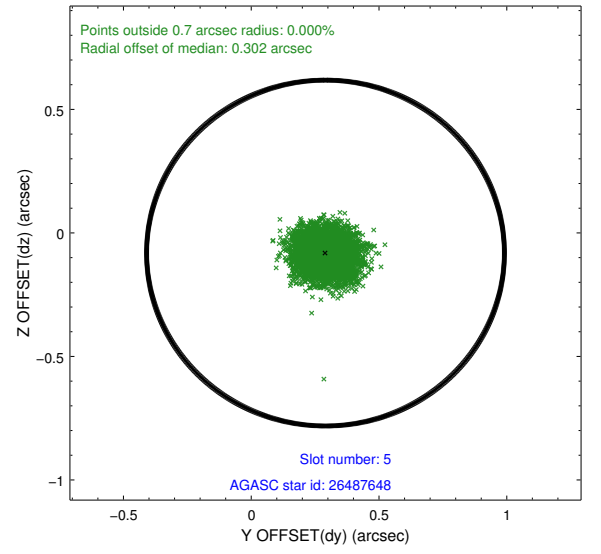
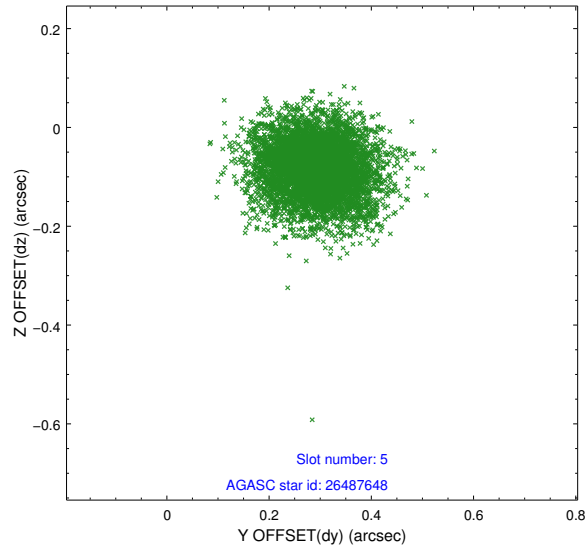
2.4.1 Slot 3



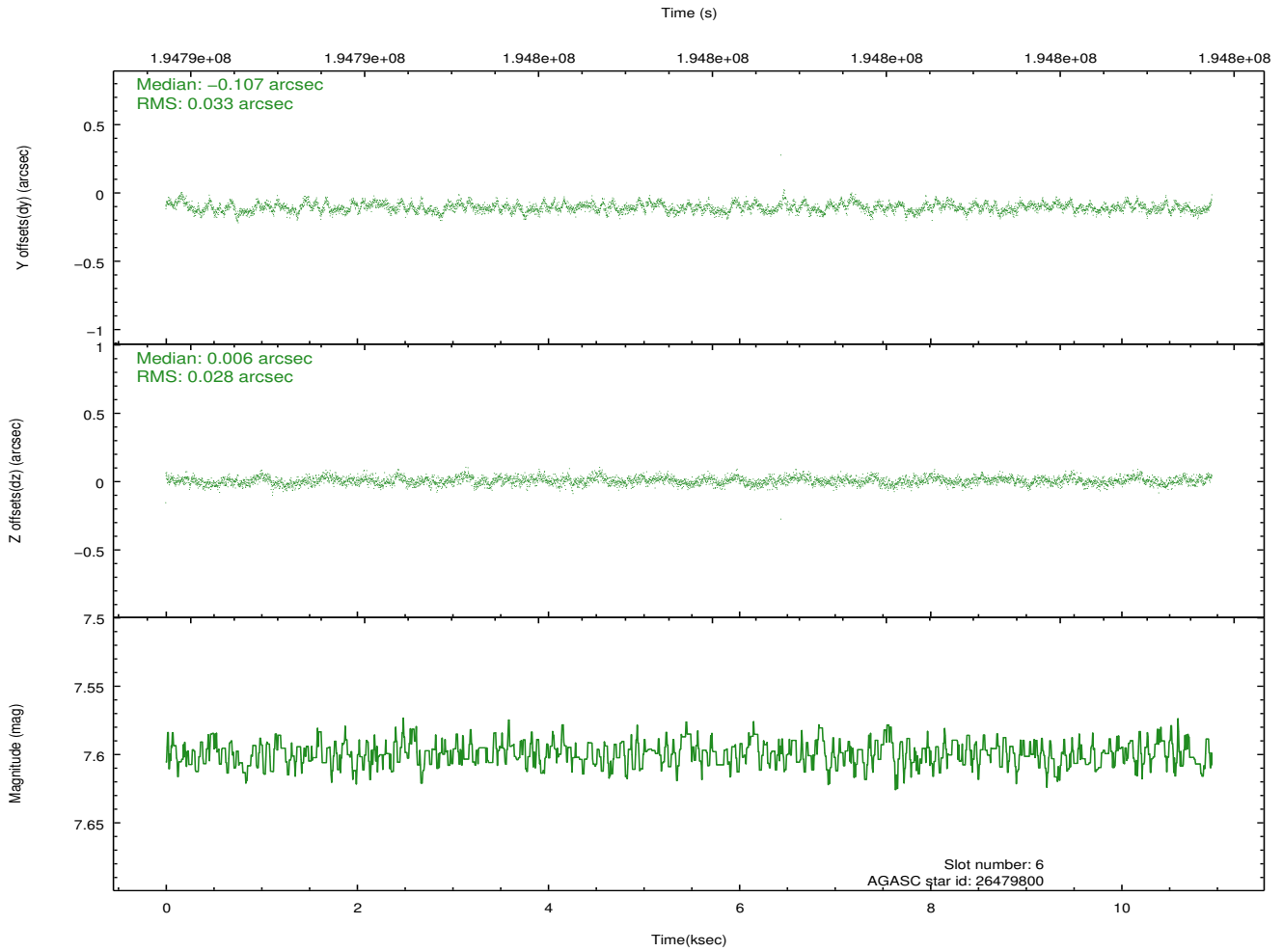
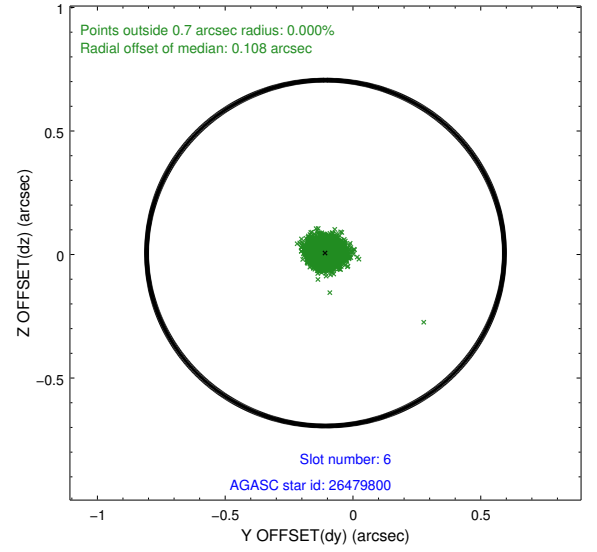
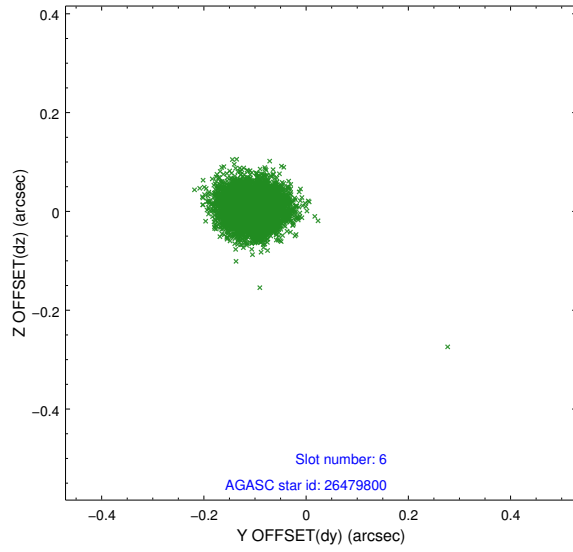
2.4.2 Slot 4



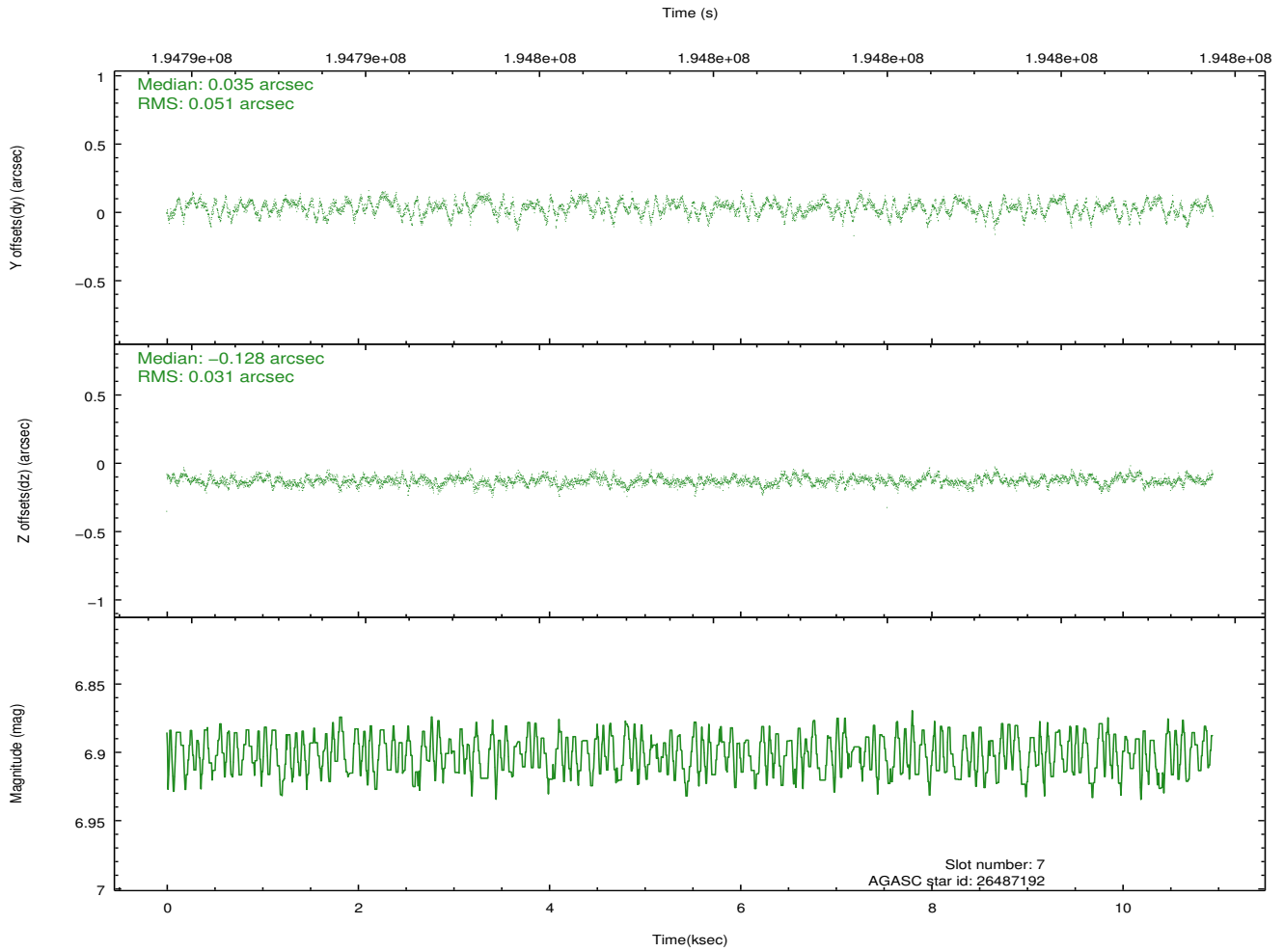
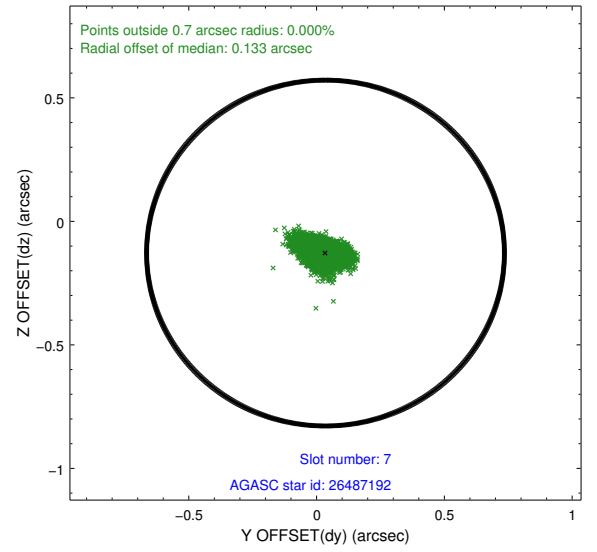
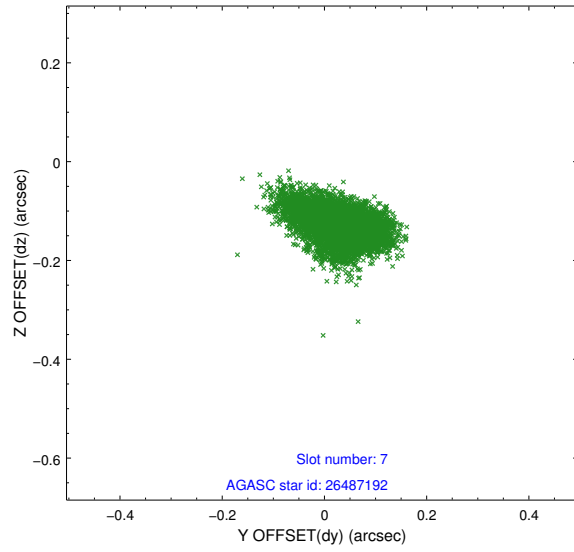
2.4.3 Slot 5



2.4.4 Slot 6

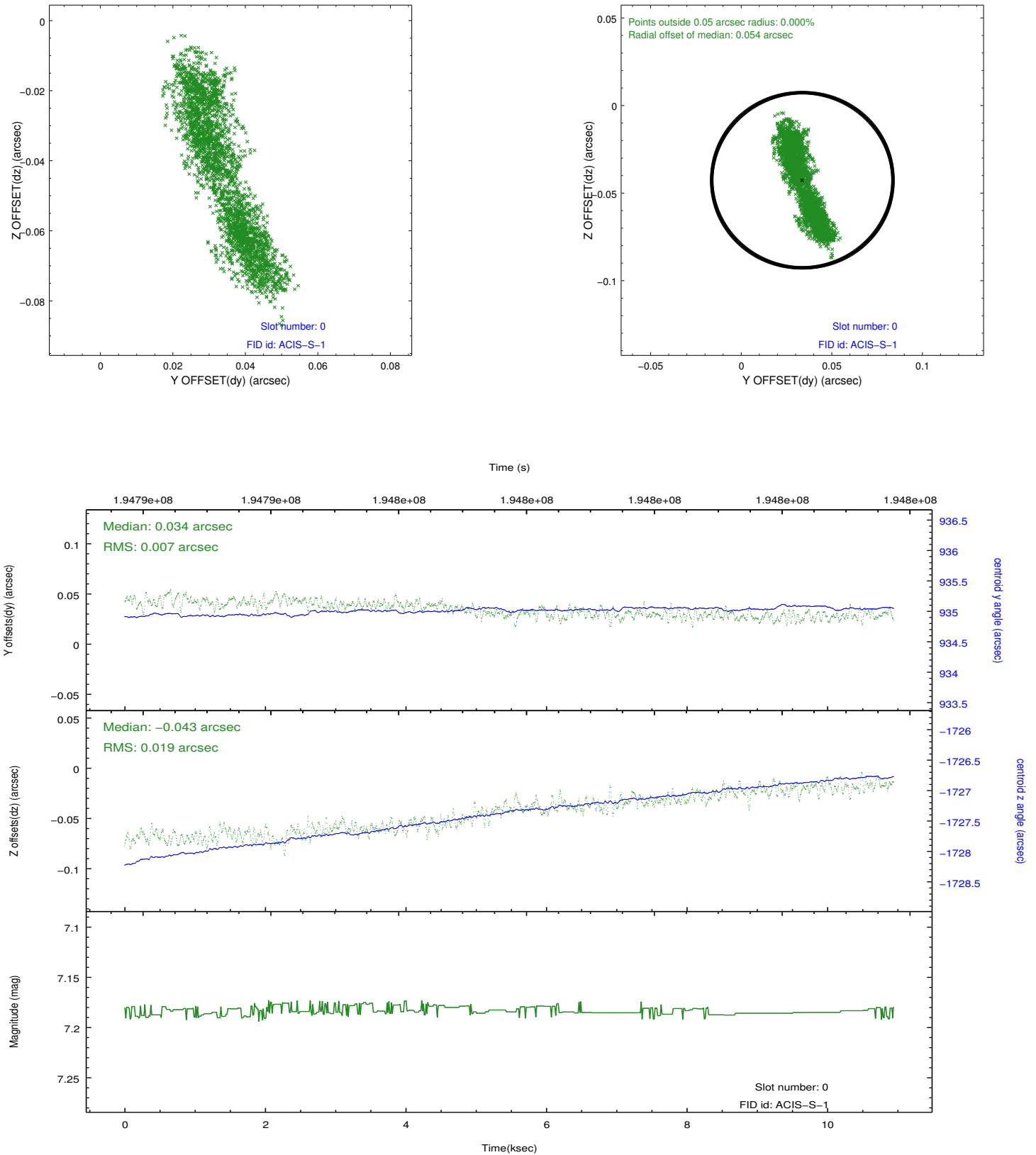


2.4.5 Slot 7

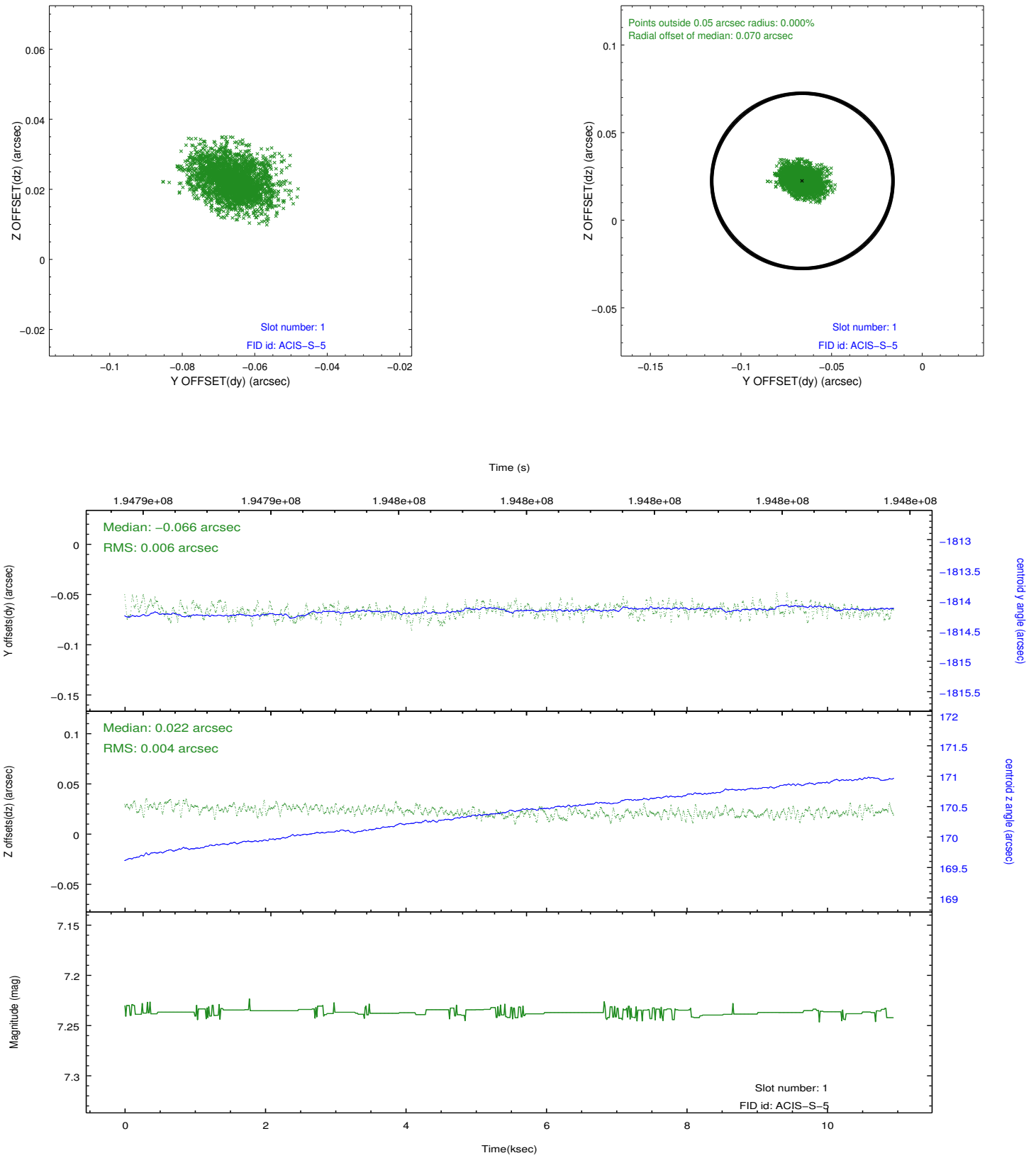


2.5 FID Slots

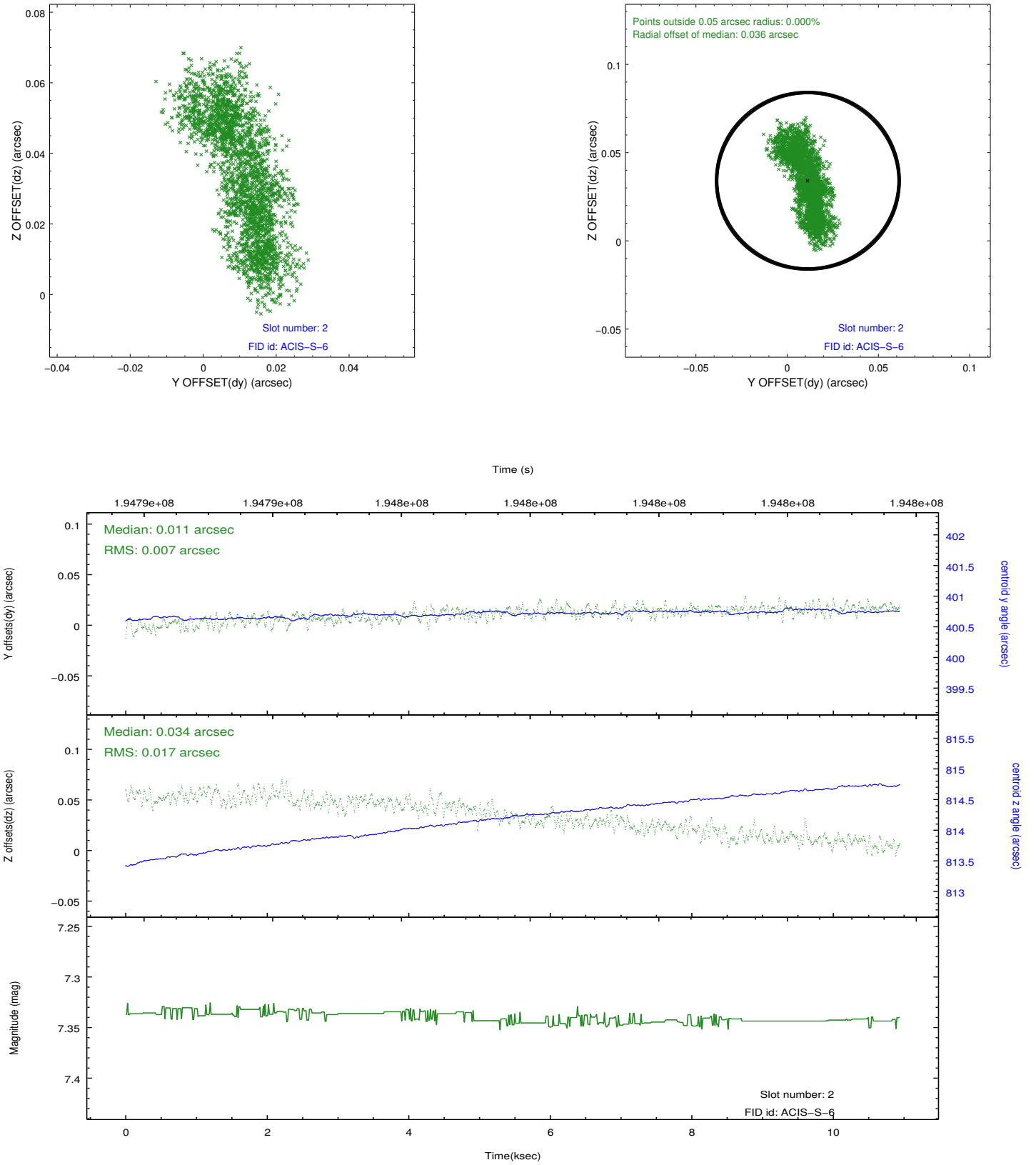
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.945

A.2 Comments