

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4085 - L2 Version 3
Chandra X-Ray Center

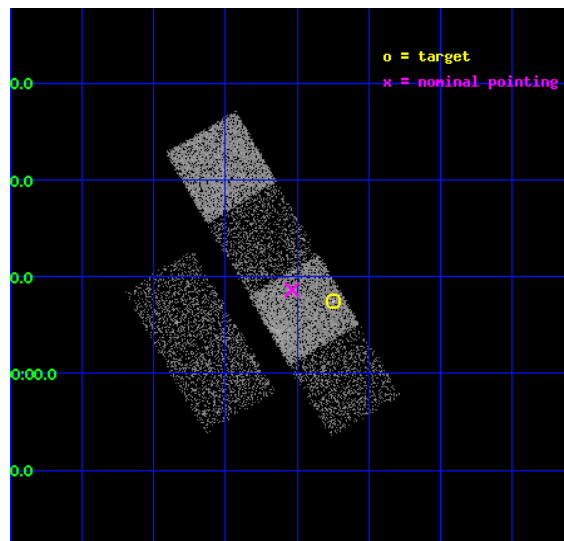
L2 Processing Date : Oct 20 2012

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

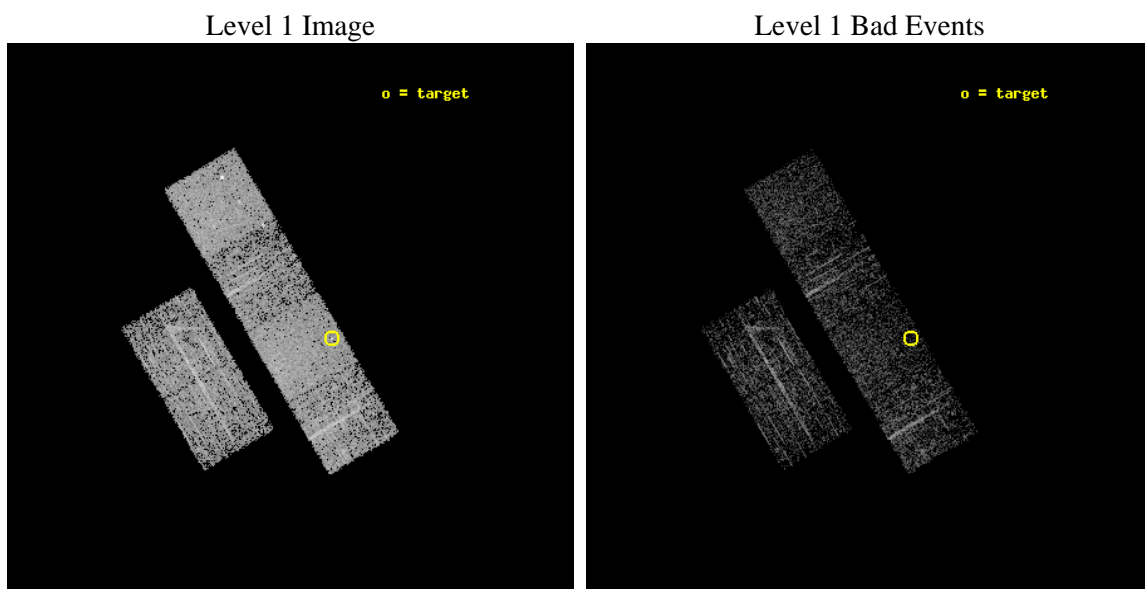
seq_num	700764	Sequence number
obs_id	4085	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J101314.86-005233.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	153.312083	Observer's specified target RA [deg]
dec_targ	-0.875972	Observer's specified target Dec [deg]
ra_nom	153.38407419517	Nominal RA [deg]
dec_nom	-0.85577592135705	Nominal Dec [deg]
roll_nom	59.549425087345	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2011.7261573672	Sum of GTIs [s]
livetime	1986.2524694466	Livetime [s]
ontime2	2011.7671973705	Sum of GTIs [s]
ontime3	2011.6030373573	Sum of GTIs [s]
ontime5	2011.6851173639	Sum of GTIs [s]
ontime6	2011.6440773606	Sum of GTIs [s]
ontime7	2011.7261573672	Sum of GTIs [s]
ontime8	2011.5619973838	Sum of GTIs [s]
l2events	21804	Number of level 2 events



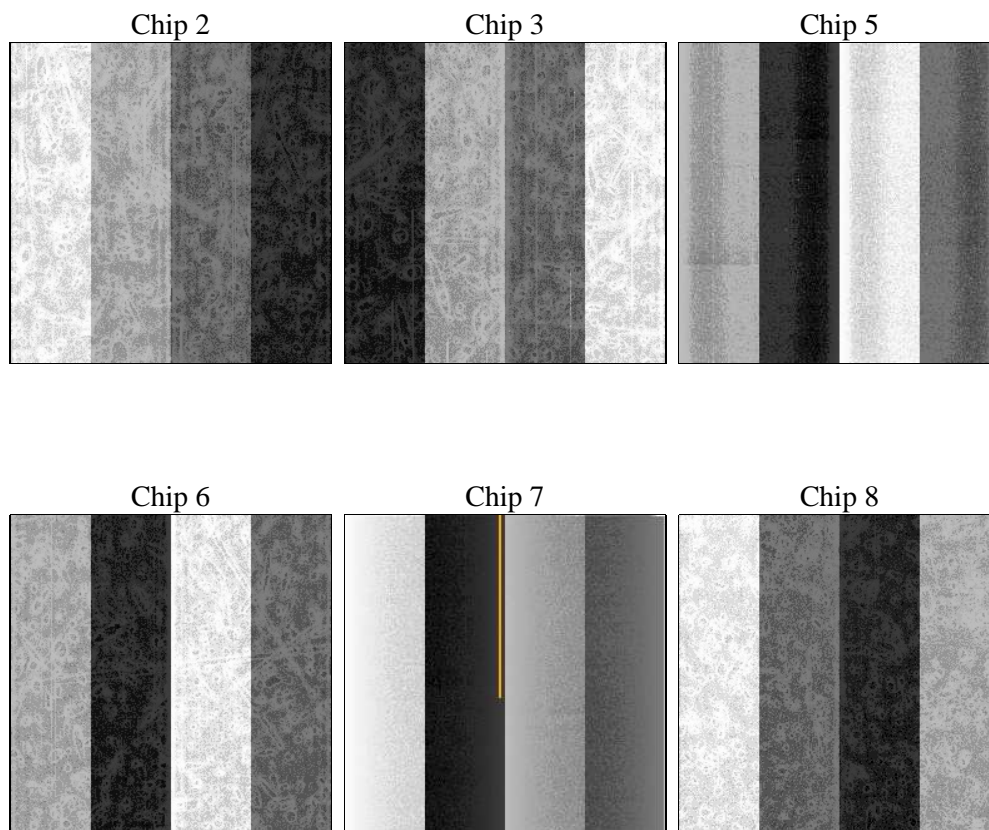
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2050.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2011.7261573672	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2011.7671973705	Sum of GTIs [s]
date	2012-10-20T16:49:30	Date and time of file creation	ontime3	2011.6030373573	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2011.6851173639	Sum of GTIs [s]
			ontime6	2011.6440773606	Sum of GTIs [s]
			ontime7	2011.7261573672	Sum of GTIs [s]
			ontime8	2011.5619973838	Sum of GTIs [s]
			l1events	92110	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	14217	12864	19079	12486	17901	15563
rejected events	12515	11198	10272	10808	9619	12275
rejected %	88%	87%	53%	86%	53%	78%

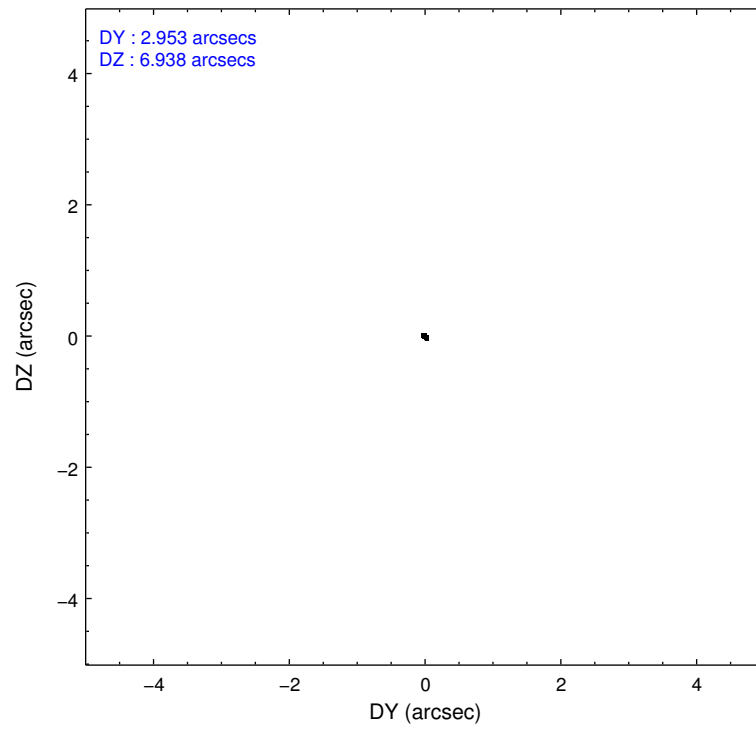
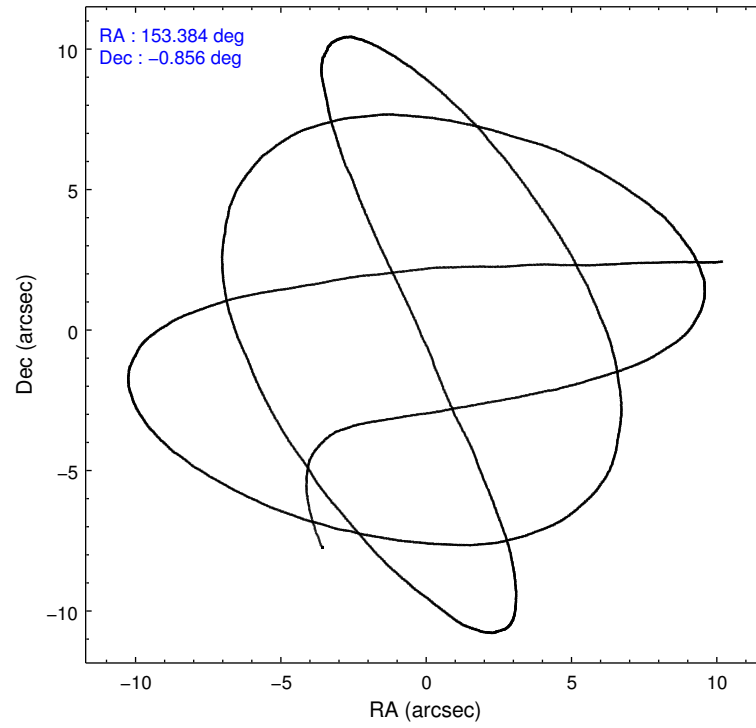
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	843	811	1234	708	1058	1120
	5%	6%	6%	5%	5%	7%
grade 1 events	5	8	56	7	16	11
	0%	0%	0%	0%	0%	0%
grade 2 events	322	260	2542	359	1745	678
	2%	2%	13%	2%	9%	4%
grade 3 events	147	160	332	188	761	378
	1%	1%	1%	1%	4%	2%
grade 4 events	159	165	298	146	750	359
	1%	1%	1%	1%	4%	2%
grade 5 events	504	533	1366	549	1651	770
	3%	4%	7%	4%	9%	4%
grade 6 events	240	272	4422	282	3983	768
	1%	2%	23%	2%	22%	4%
grade 7 events	11997	10655	8829	10247	7937	11479
	84%	82%	46%	82%	44%	73%

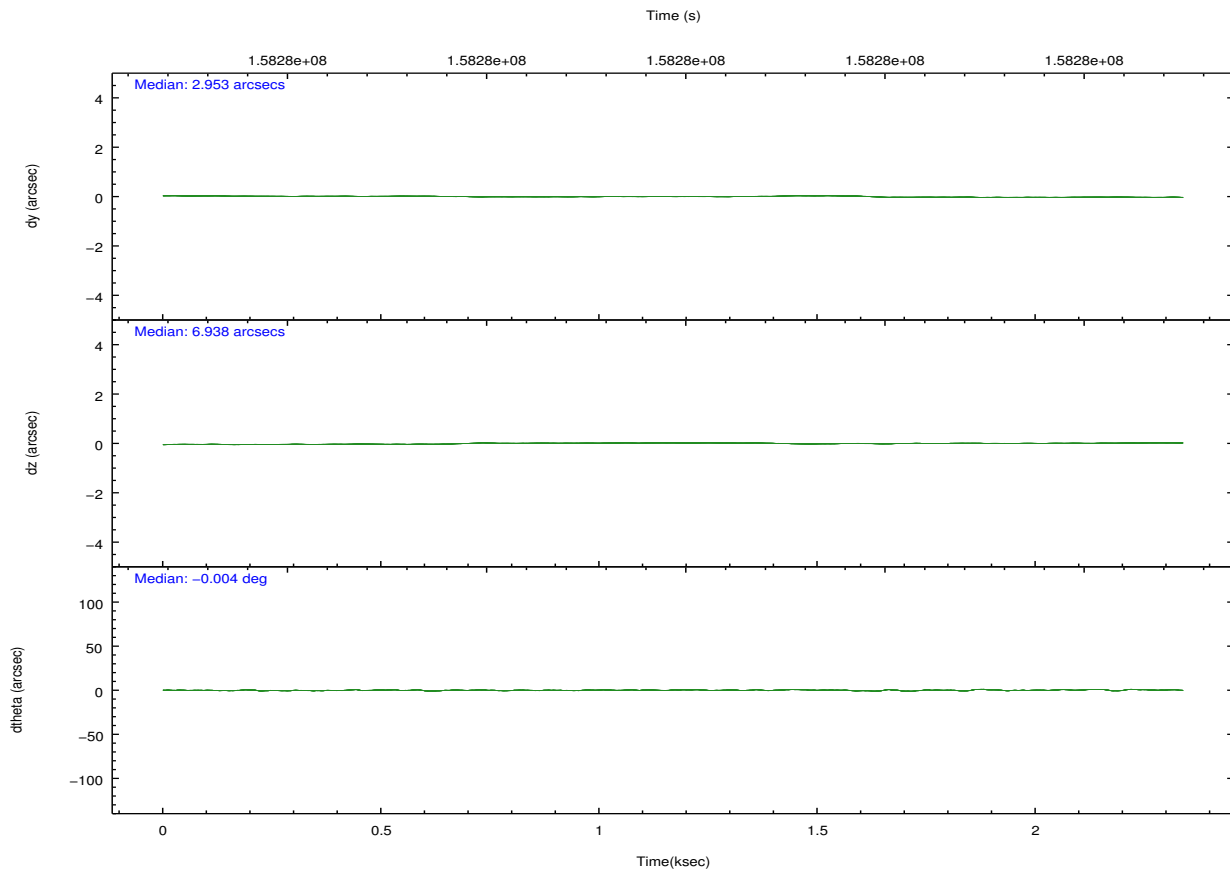
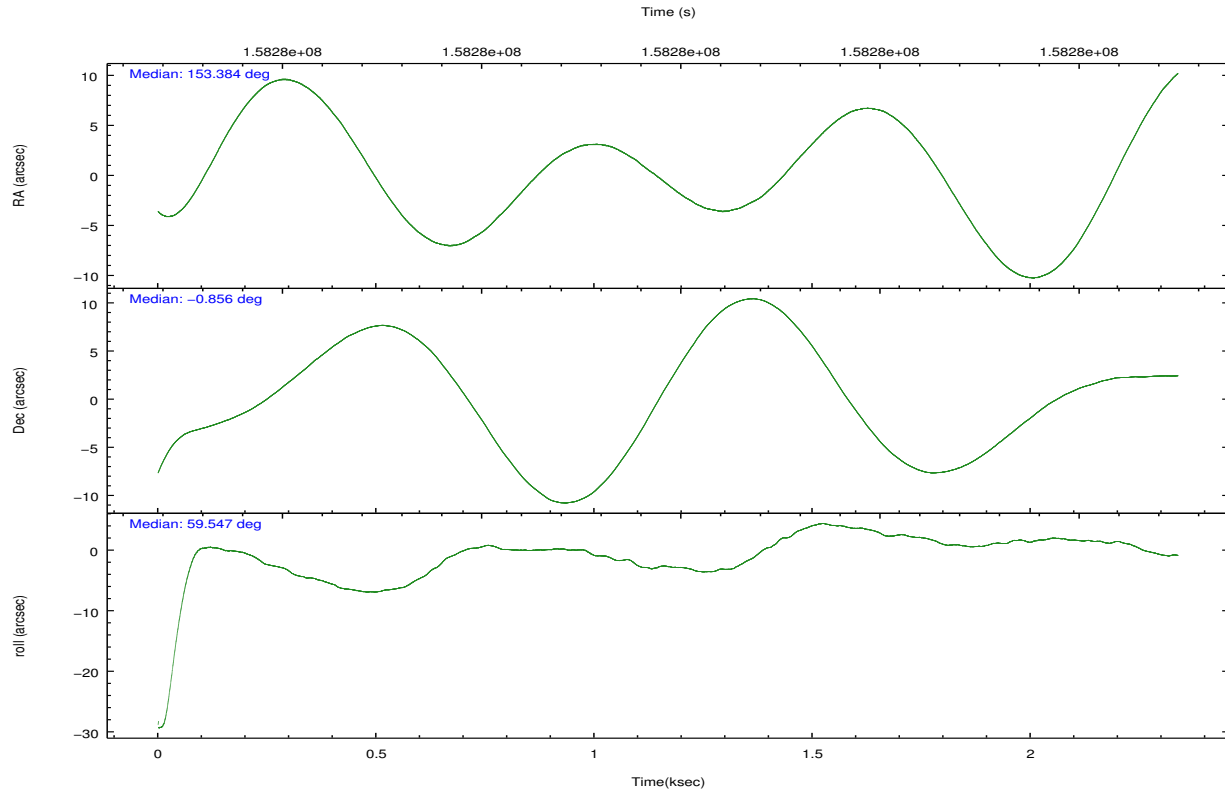
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	153.384229	153.3840741951722
[deg] Pointing Dec	-0.883015	-0.8557759213570522
[deg] Pointing Roll	59.392942	59.54942508734509
[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)	158277089.184000	158276073.21359
Observation start date	2003-01-06T21:50:25	2003-01-06T21:34:33
[s] Observation end time (MET)	158279139.184000	158279714.01374
Observation end date	2003-01-06T22:24:35	2003-01-06T22:35:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



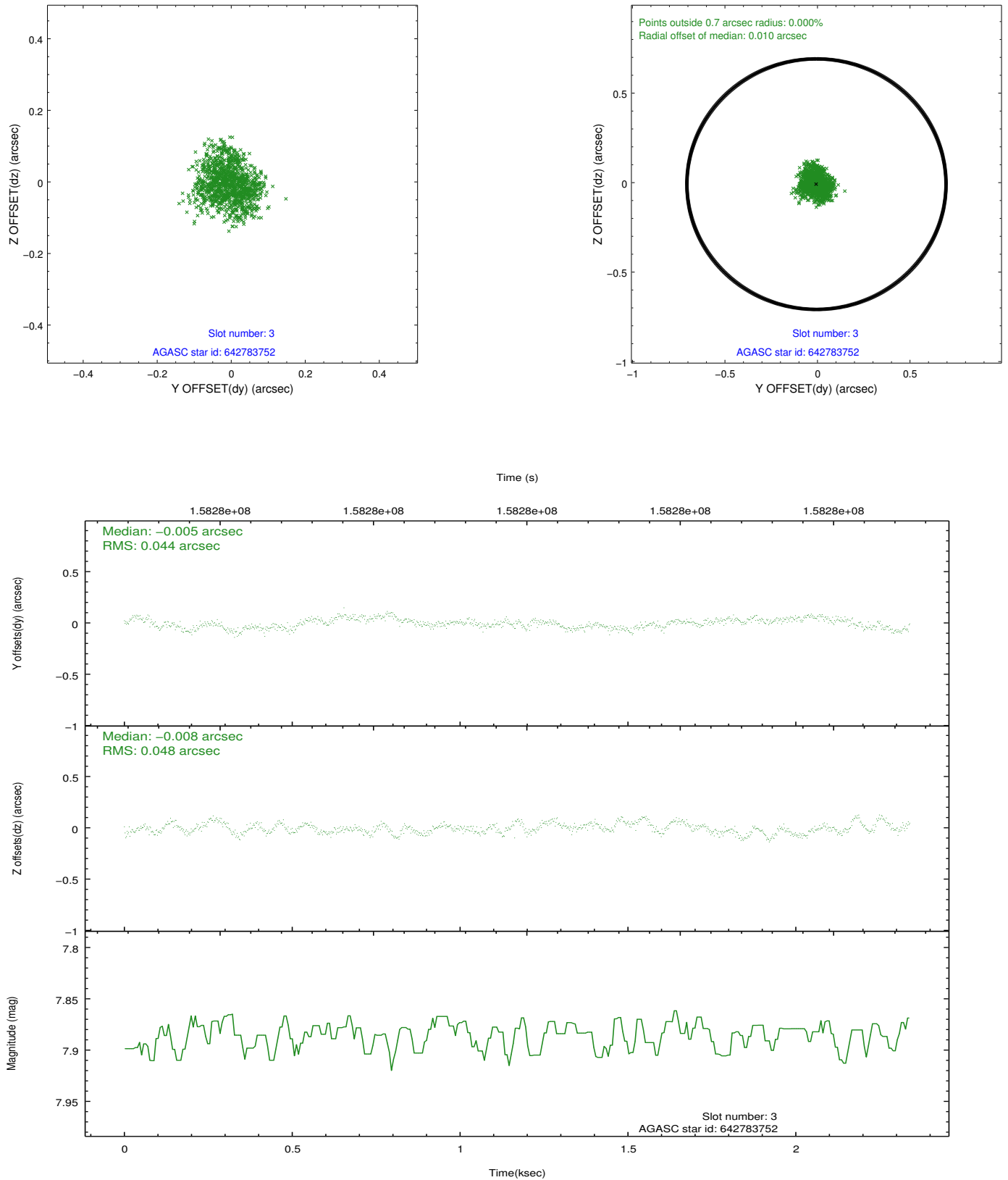


Slot Statistics

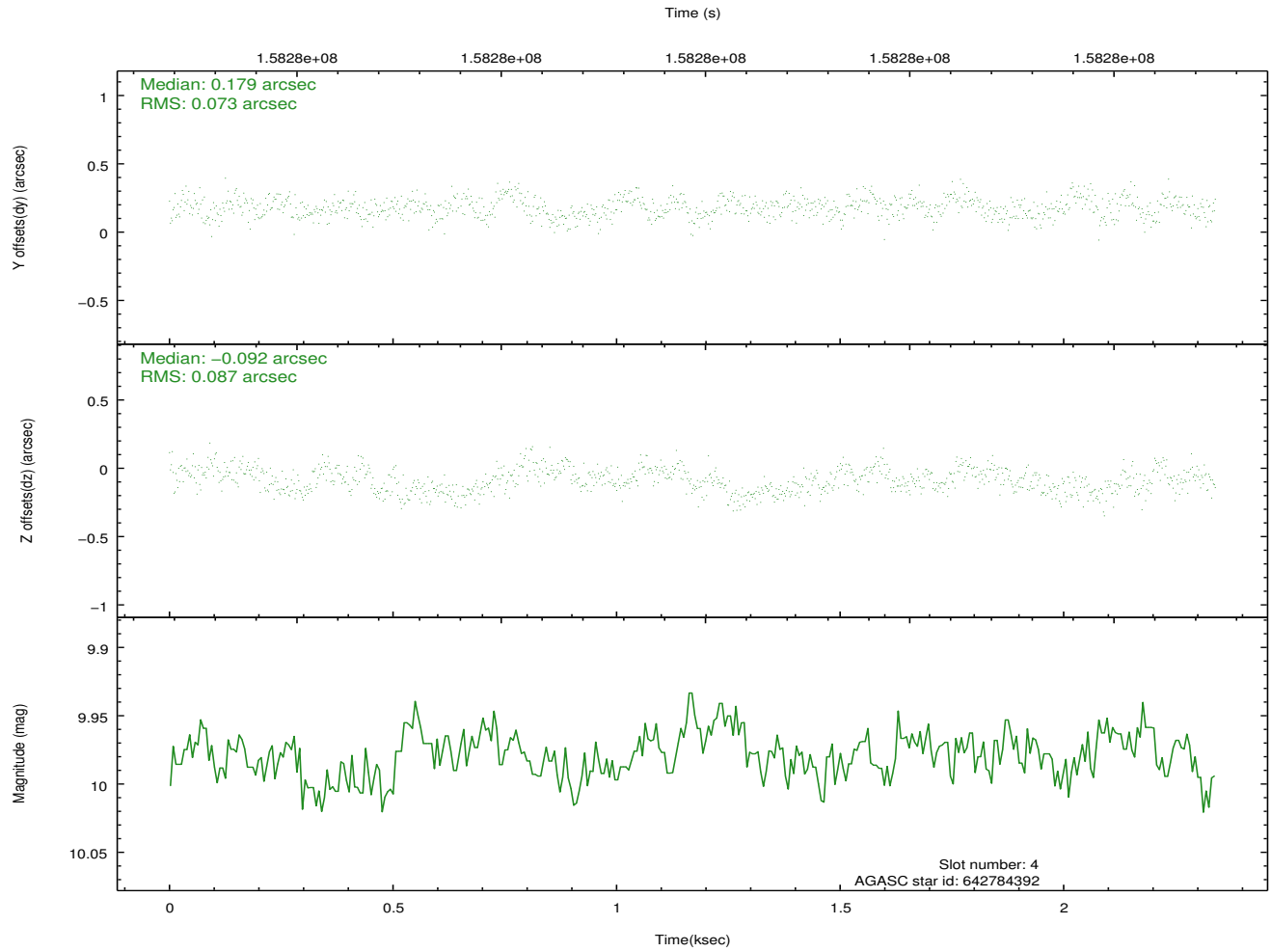
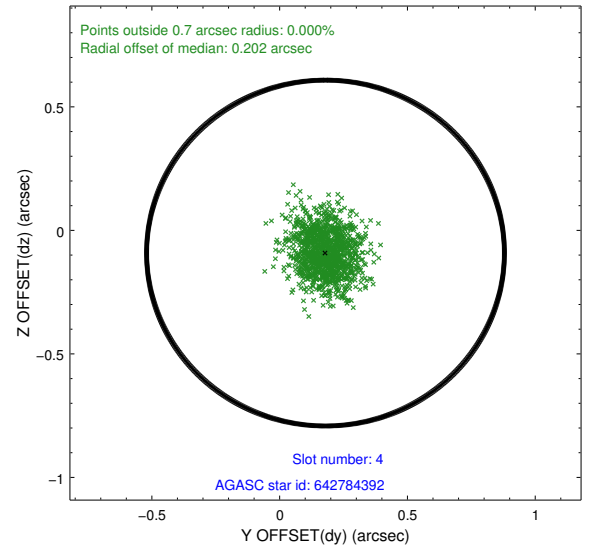
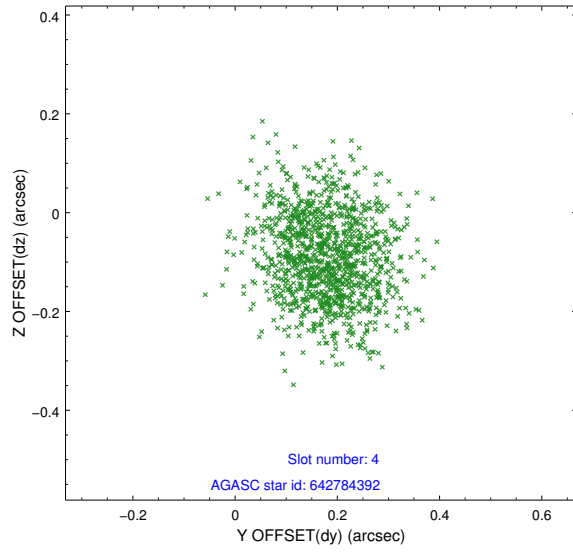
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	571	-0.029	-0.001	0.007	0.011	0.000000	0.000000	-755.60	-1728.10
1	FID	ACIS-S-4	7.21	571	0.007	0.014	0.006	0.011	0.000000	0.000000	2156.44	177.55
2	FID	ACIS-S-5	7.24	571	-0.010	-0.004	0.006	0.010	0.000000	0.000000	-1804.87	174.34
3	GUIDE	642783752	7.88	1142	-0.005	-0.008	0.072	0.106	153.639411	-1.126972	-287.92	-1237.27
4	GUIDE	642784392	9.98	1140	0.179	-0.092	0.120	0.197	152.895853	-1.186393	-1834.99	956.19
5	GUIDE	642787648	9.85	1142	-0.227	0.152	0.112	0.180	154.072131	-0.641558	2007.42	-1687.35
6	GUIDE	642785416	8.98	1142	0.031	-0.039	0.071	0.125	153.061684	-1.260657	-1759.10	305.76
7	GUIDE	642783824	9.98	1139	0.027	-0.022	0.129	0.231	153.737775	-1.132623	-126.66	-1552.04

2.4 Star Slots

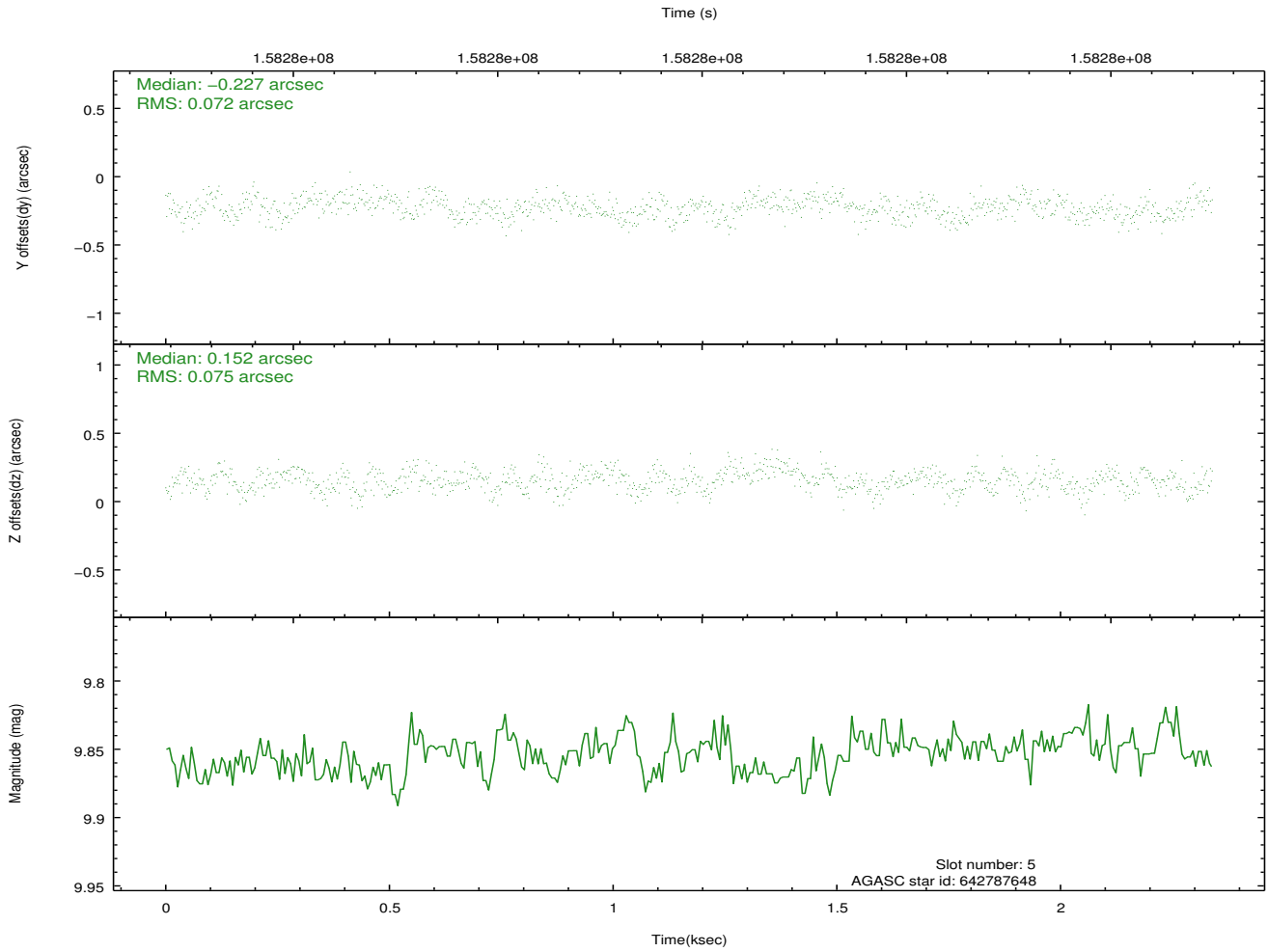
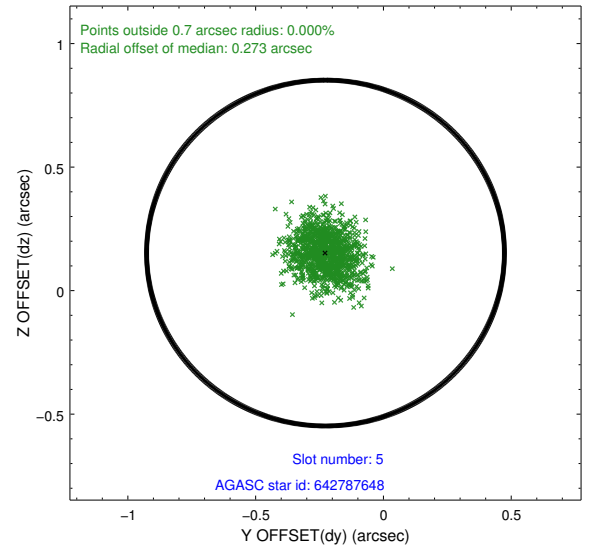
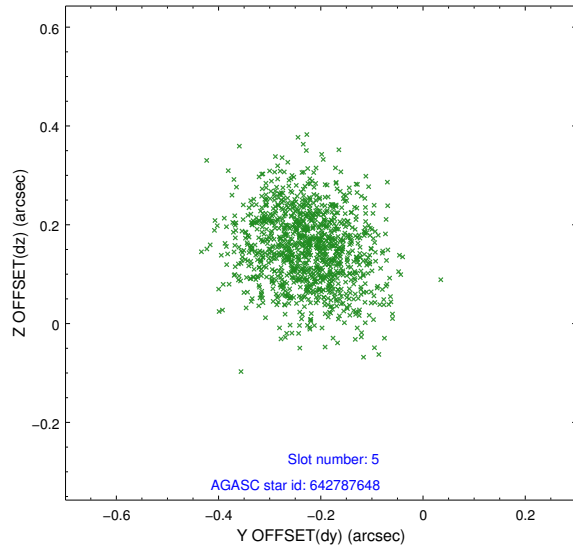
2.4.1 Slot 3



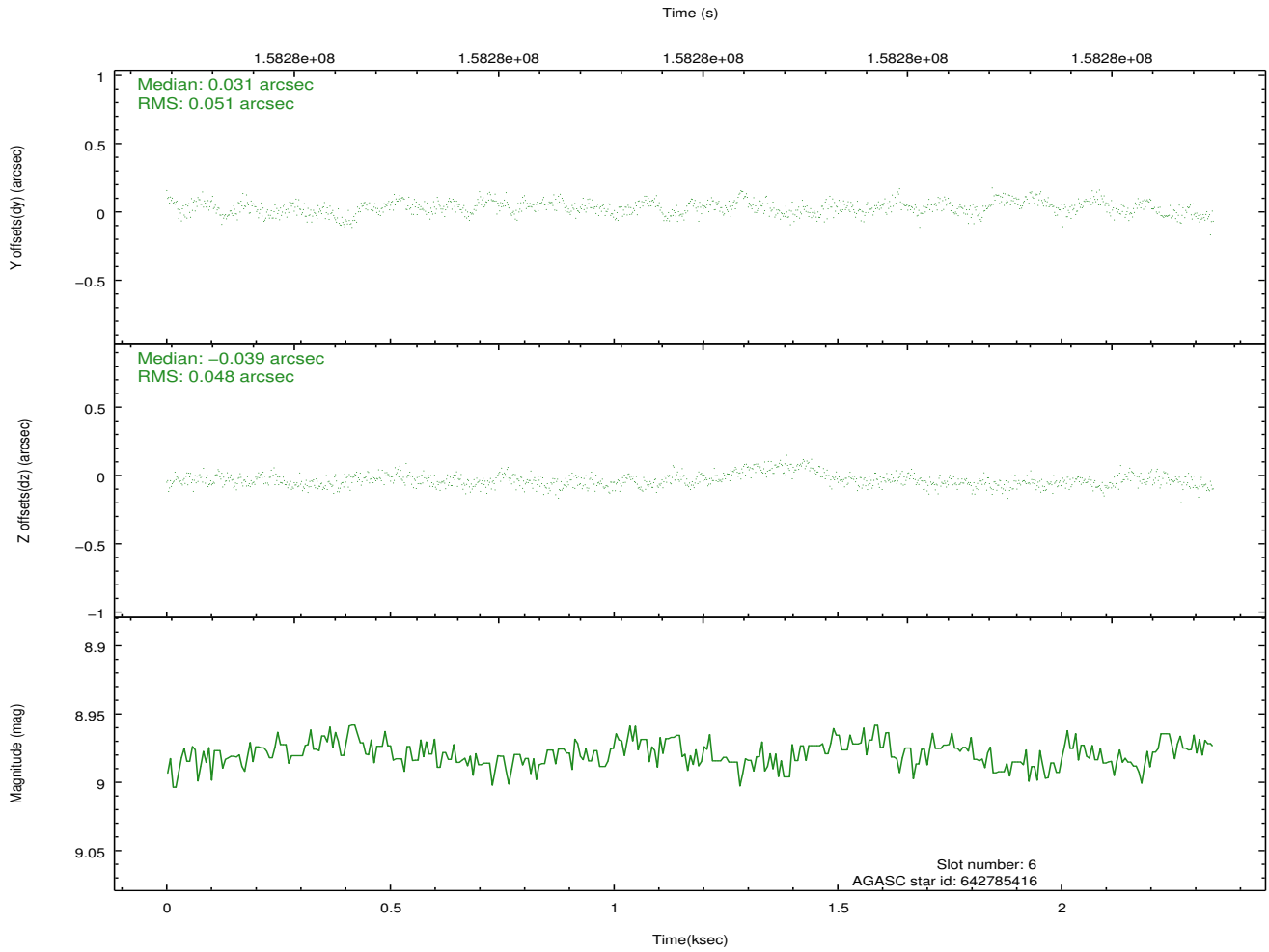
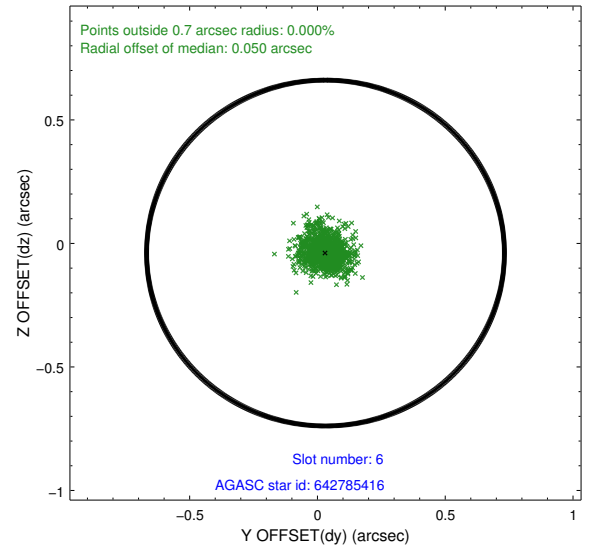
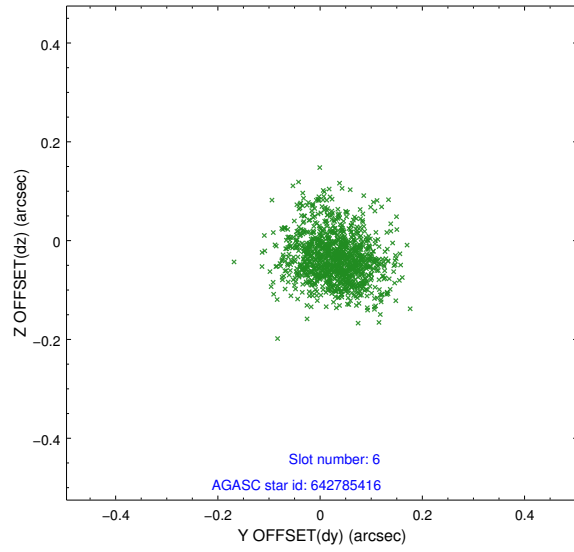
2.4.2 Slot 4



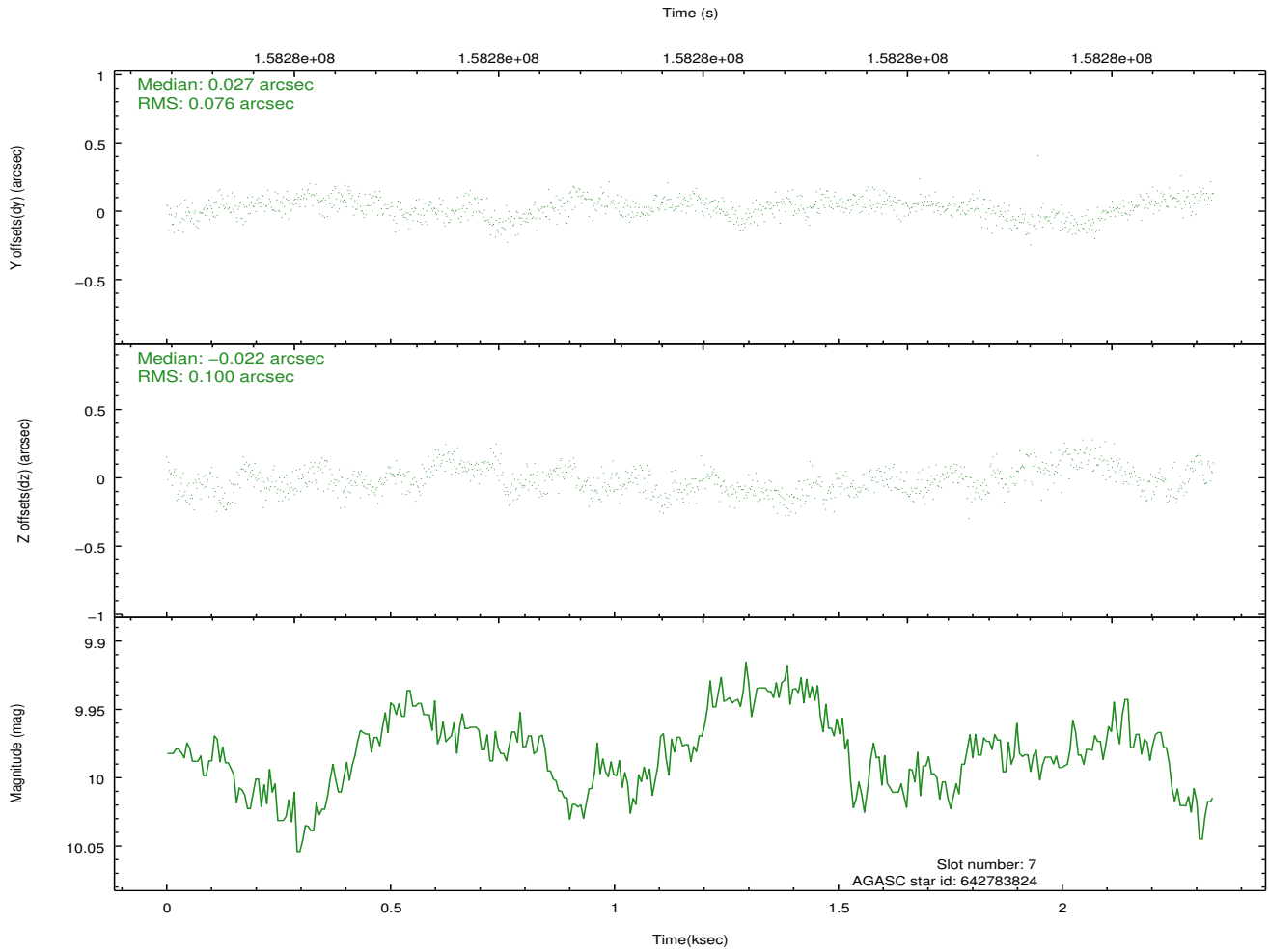
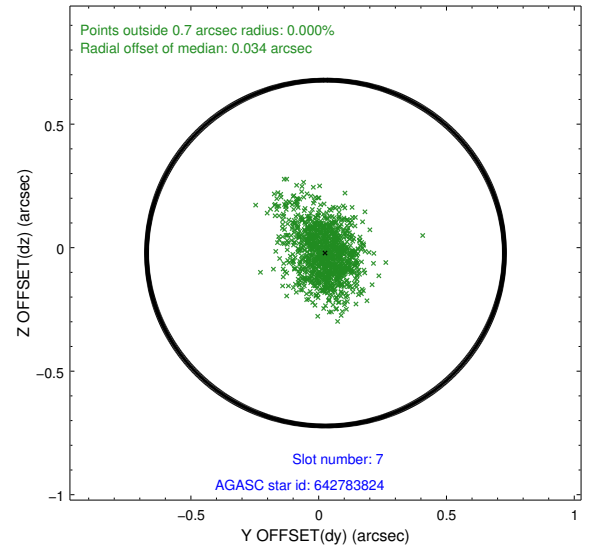
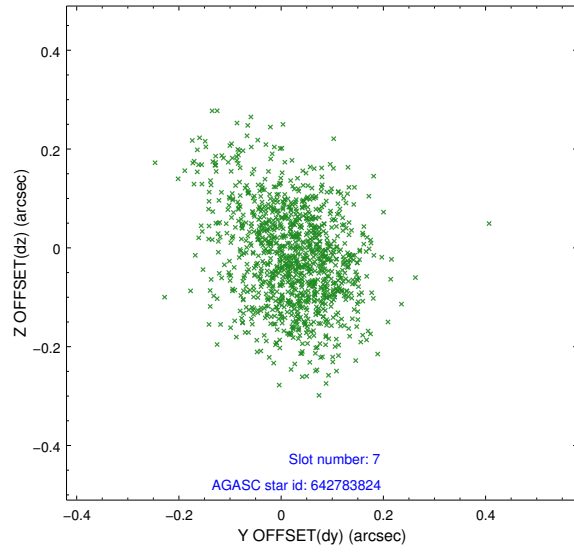
2.4.3 Slot 5



2.4.4 Slot 6

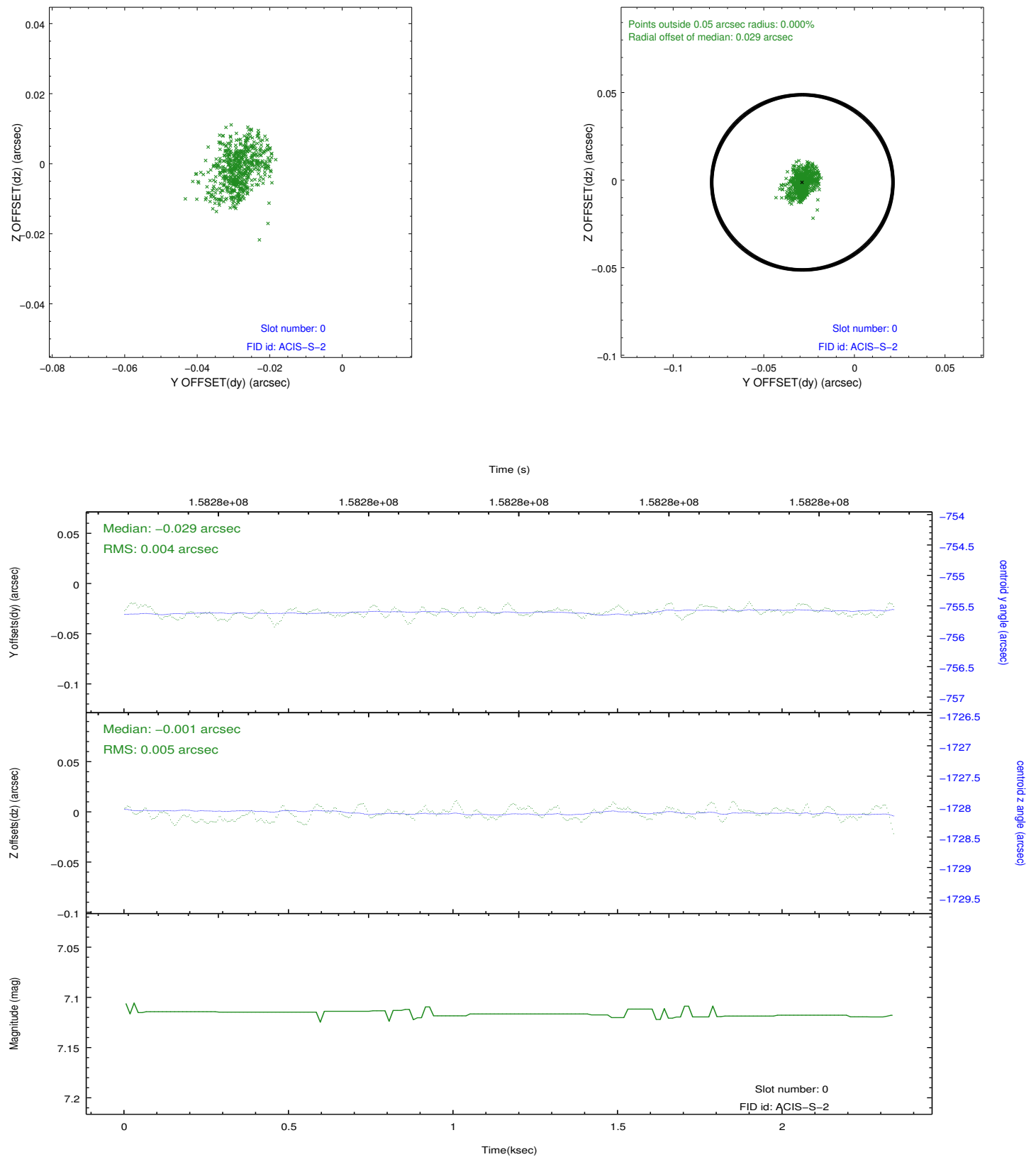


2.4.5 Slot 7

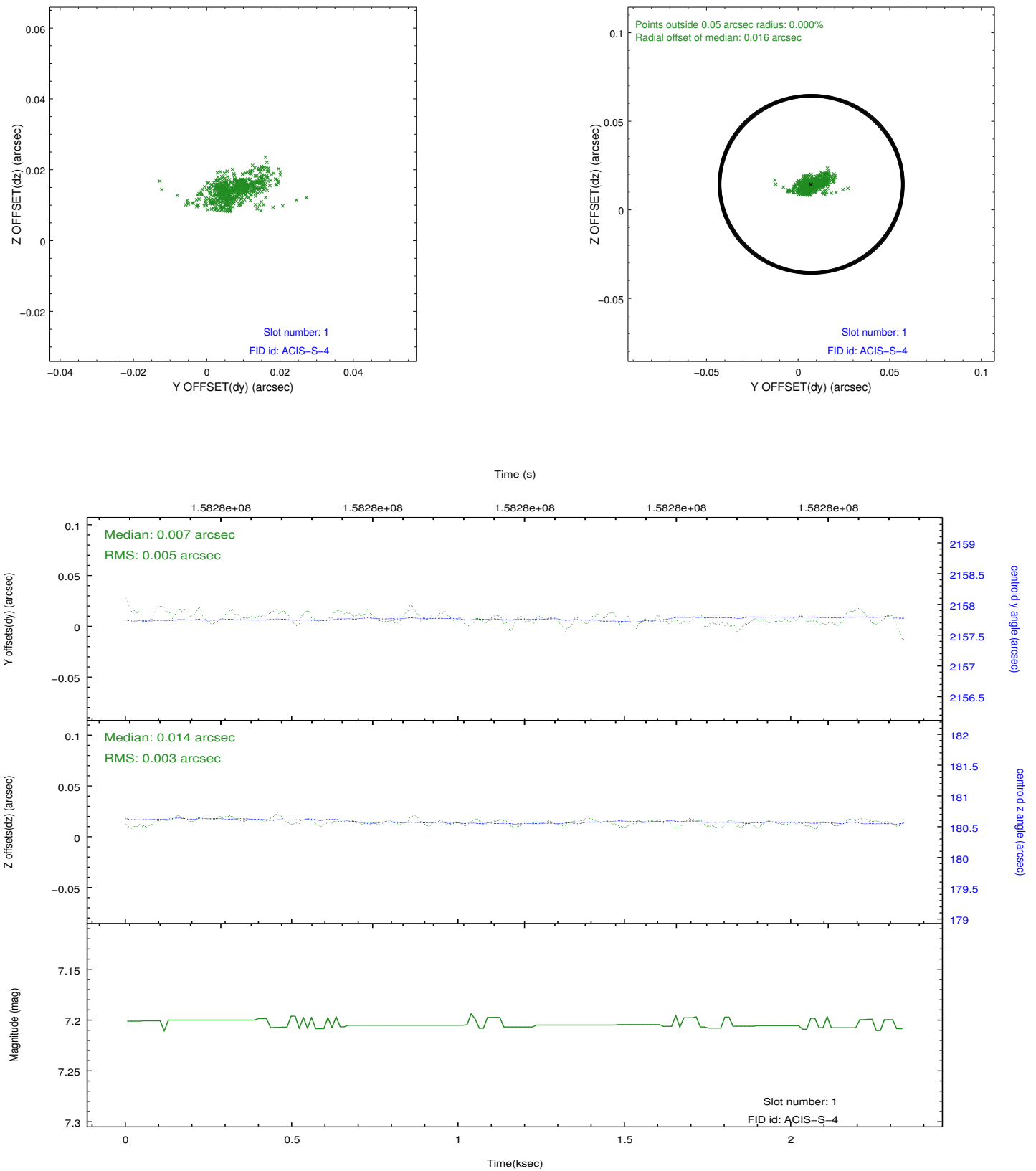


2.5 FID Slots

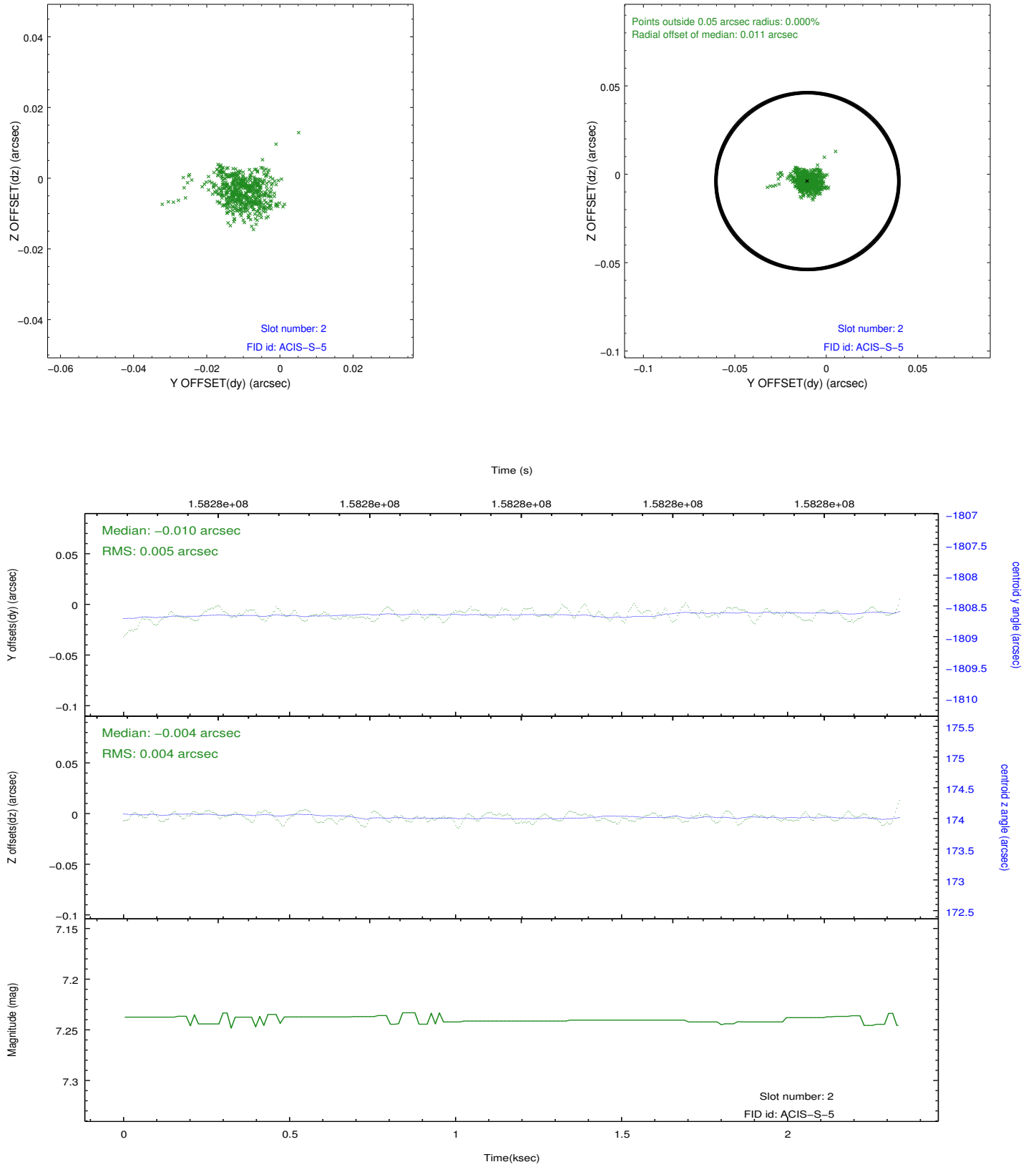
2.5.1 Slot 0



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)	2012.10.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.012

A.2 Comments