

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3001 - L2 Version 3
Chandra X-Ray Center

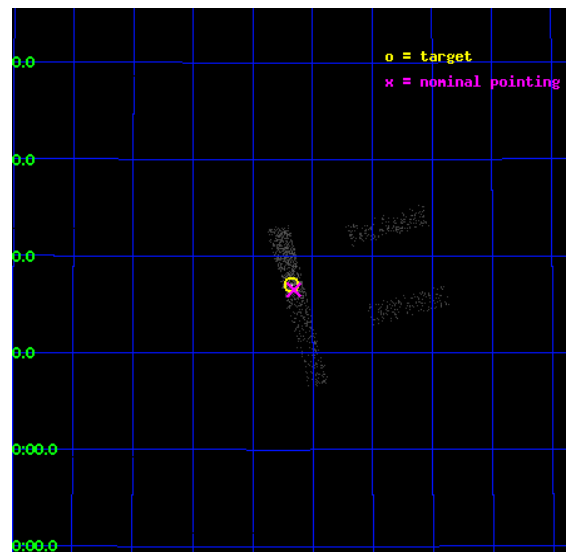
L2 Processing Date : Oct 11 2012

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

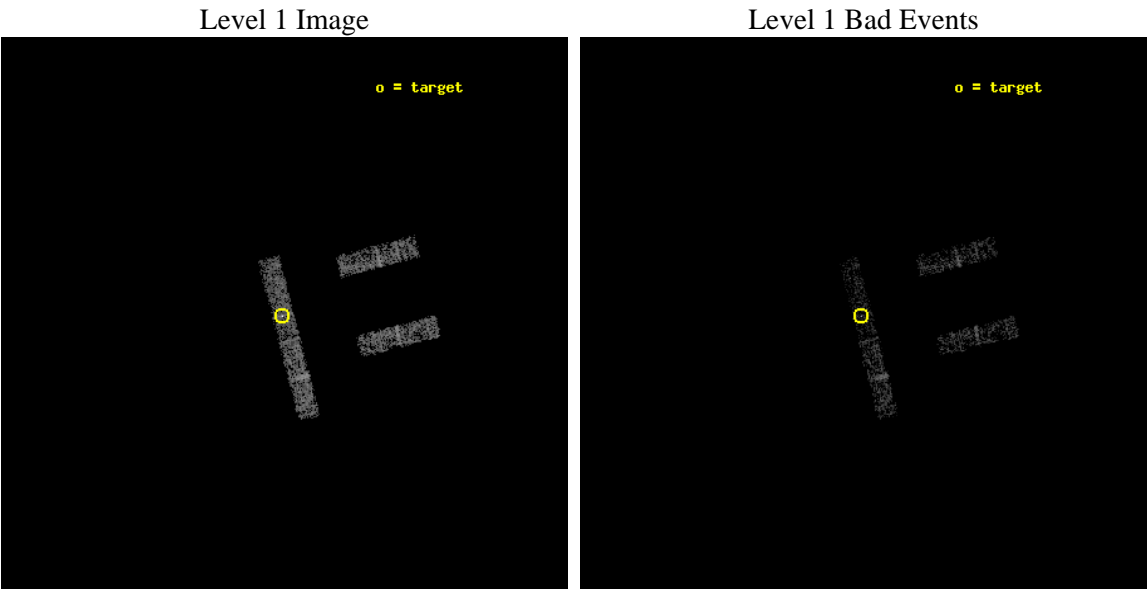
seq_num	700440	Sequence number
obs_id	3001	Observation id
title	CHANDRA SNAPSHOT OBSERVATIONS OF SOFT X-RAY TRANSIENT AGN	Proposal
observer	Dr Rick Edelson	Principal investigator
object	WAS 61	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	190.544167	Observer's specified target RA [deg]
dec_targ	33.284167	Observer's specified target Dec [deg]
ra_nom	190.53924898104	Nominal RA [deg]
dec_nom	33.275460152452	Nominal Dec [deg]
roll_nom	255.35351186487	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2601.8465298414	Sum of GTIs [s]
livetime	433.00601282142	Livetime [s]
ontime2	2604.25	Sum of GTIs [s]
ontime3	2604.25	Sum of GTIs [s]
ontime6	2603.0482699275	Sum of GTIs [s]
ontime7	2601.8465298414	Sum of GTIs [s]
l2events	2280	Number of level 2 events



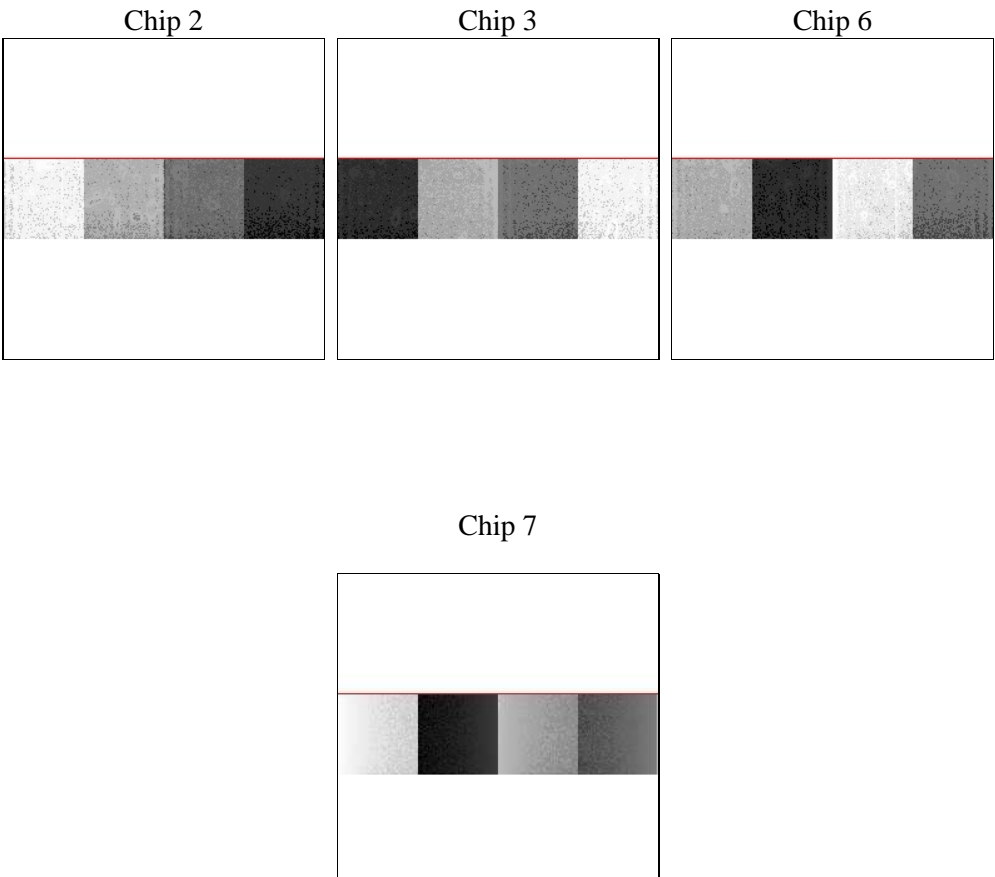
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2601.8465298414	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2604.25	Sum of GTIs [s]
date	2012-10-11T12:20:38	Date and time of file creation	ontime3	2604.25	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	2603.0482699275	Sum of GTIs [s]
			ontime7	2601.8465298414	Sum of GTIs [s]
			l1events	13087	Number of level 1 events

2.1.4 Events

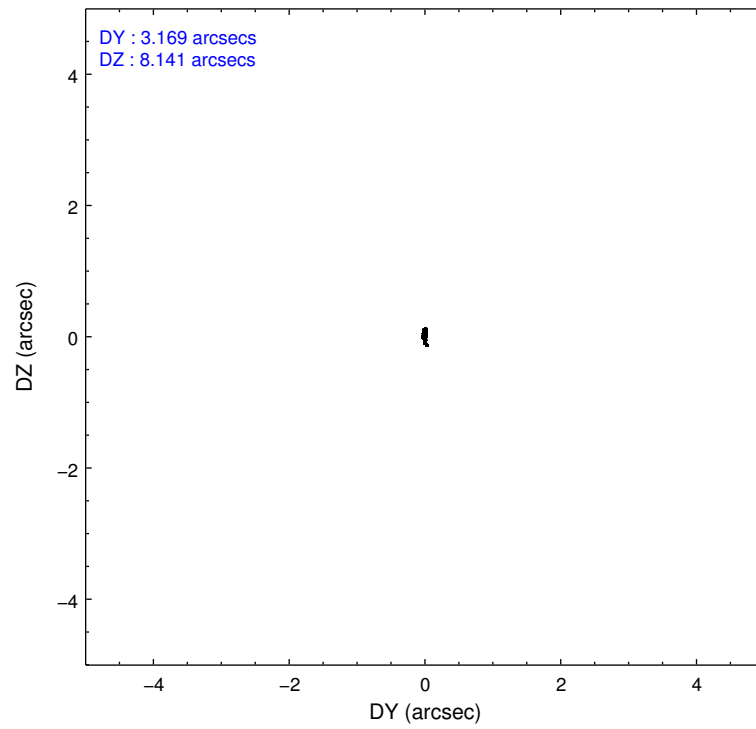
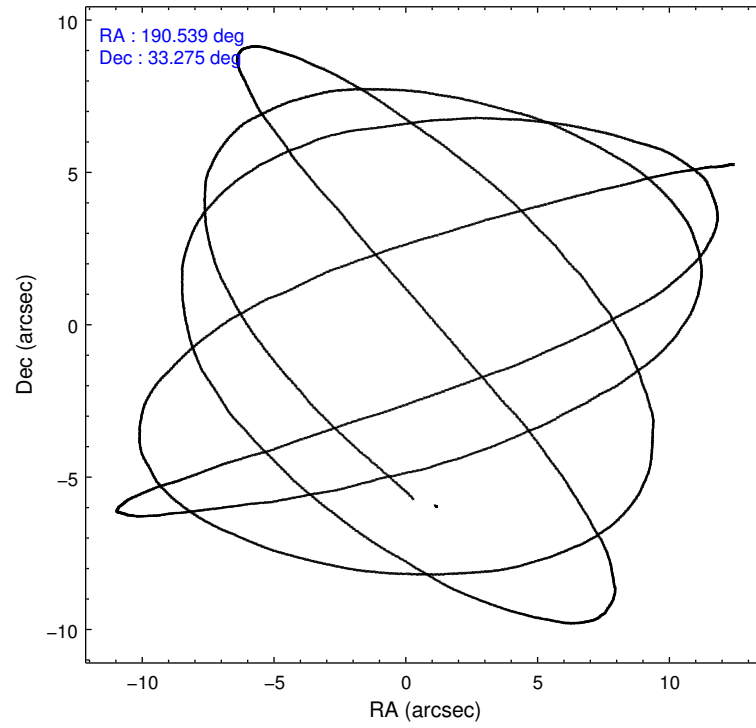
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	3082	2916	3595	3494
rejected events	2833	2669	3336	1723
rejected %	91%	91%	92%	49%

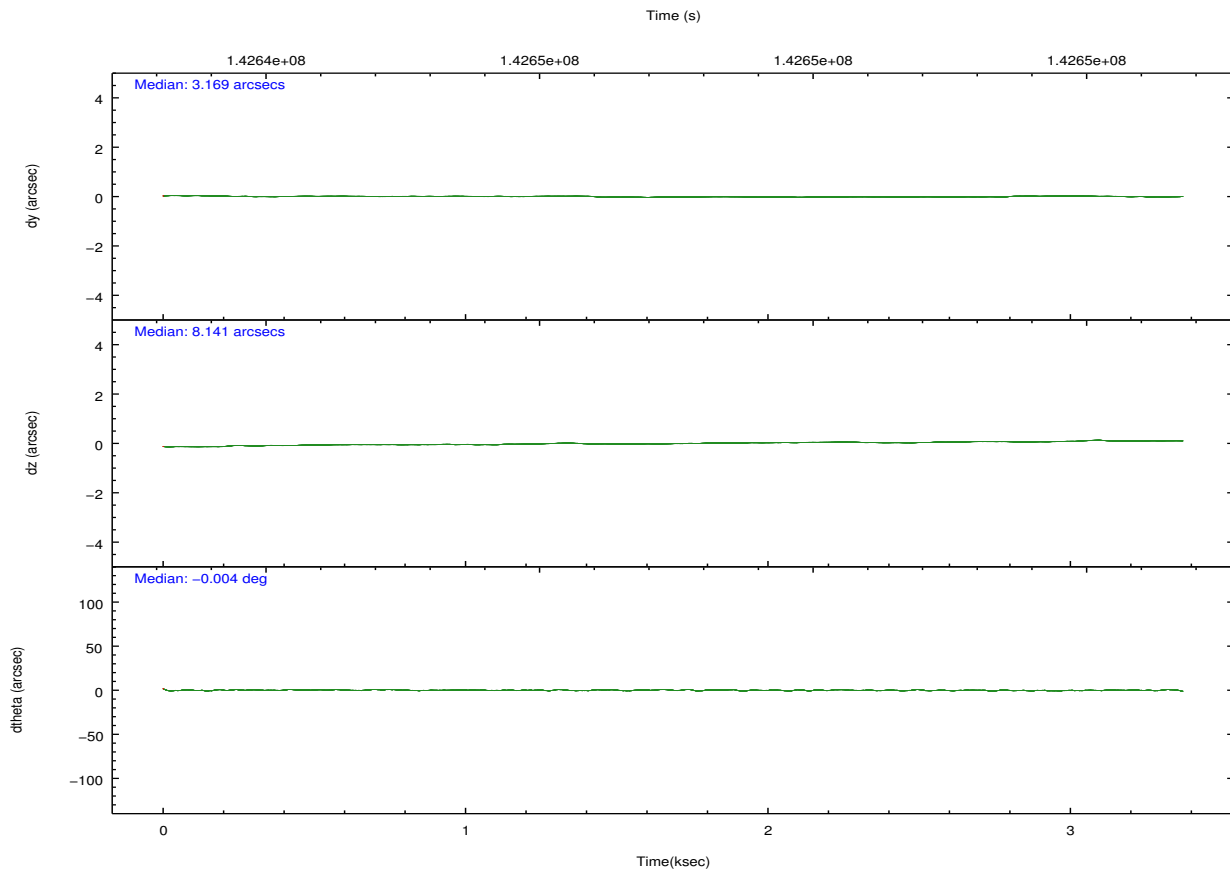
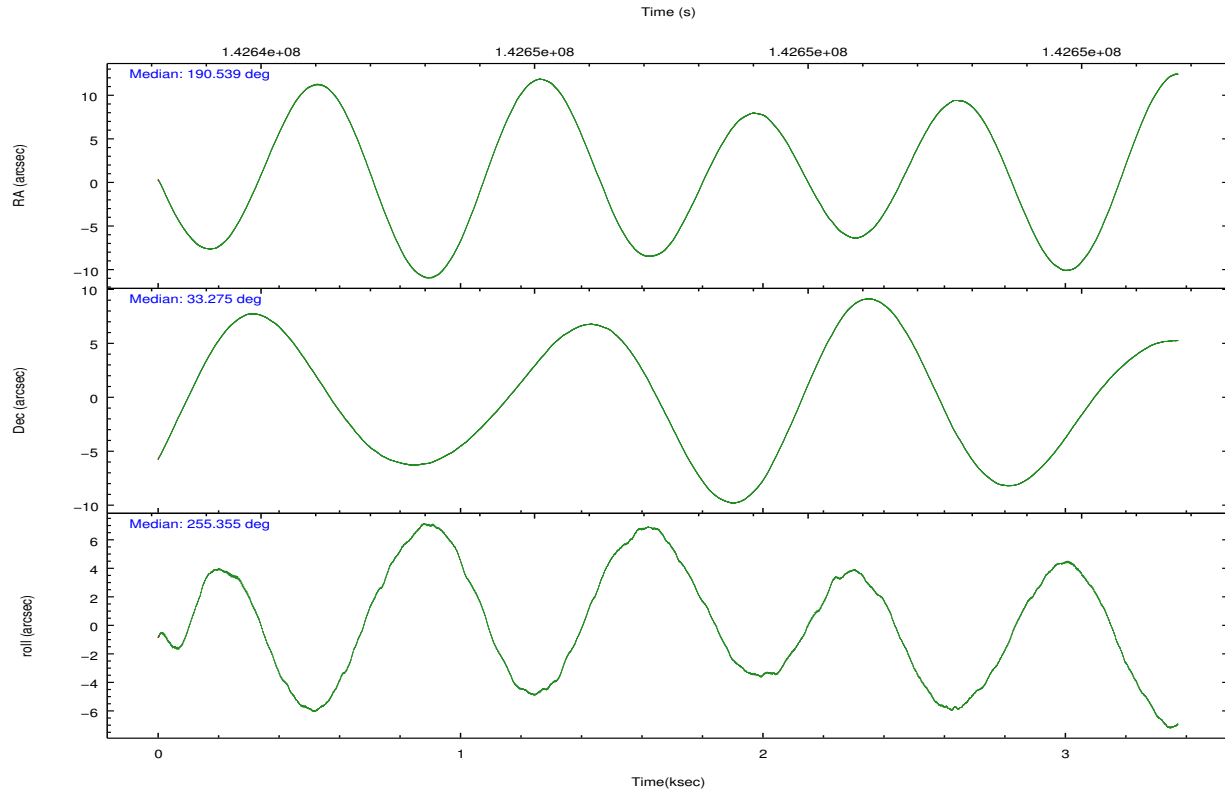
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	62	60	51	433
	2%	2%	1%	12%
grade 1 events	0	0	1	25
	0%	0%	0%	0%
grade 2 events	42	45	50	397
	1%	1%	1%	11%
grade 3 events	51	56	53	229
	1%	1%	1%	6%
grade 4 events	57	46	57	232
	1%	1%	1%	6%
grade 5 events	55	70	67	225
	1%	2%	1%	6%
grade 6 events	39	40	48	482
	1%	1%	1%	13%
grade 7 events	2776	2599	3268	1471
	90%	89%	90%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	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	190.530278	190.5392489810401	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	33.301540	33.27546015245238	Subarray start row	385	385
[deg] Pointing Roll	255.201820	255.35351186487	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	0.2
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	142646172.184000	142644626.2783			
Observation start date	2002-07-09T23:55:08	2002-07-09T23:30:26			
[s] Observation end time (MET)	142648172.184000	142648881.05347			
Observation end date	2002-07-10T00:28:28	2002-07-10T00:41:21			
Read mode	TIMED	TIMED			

2.3 Aspect



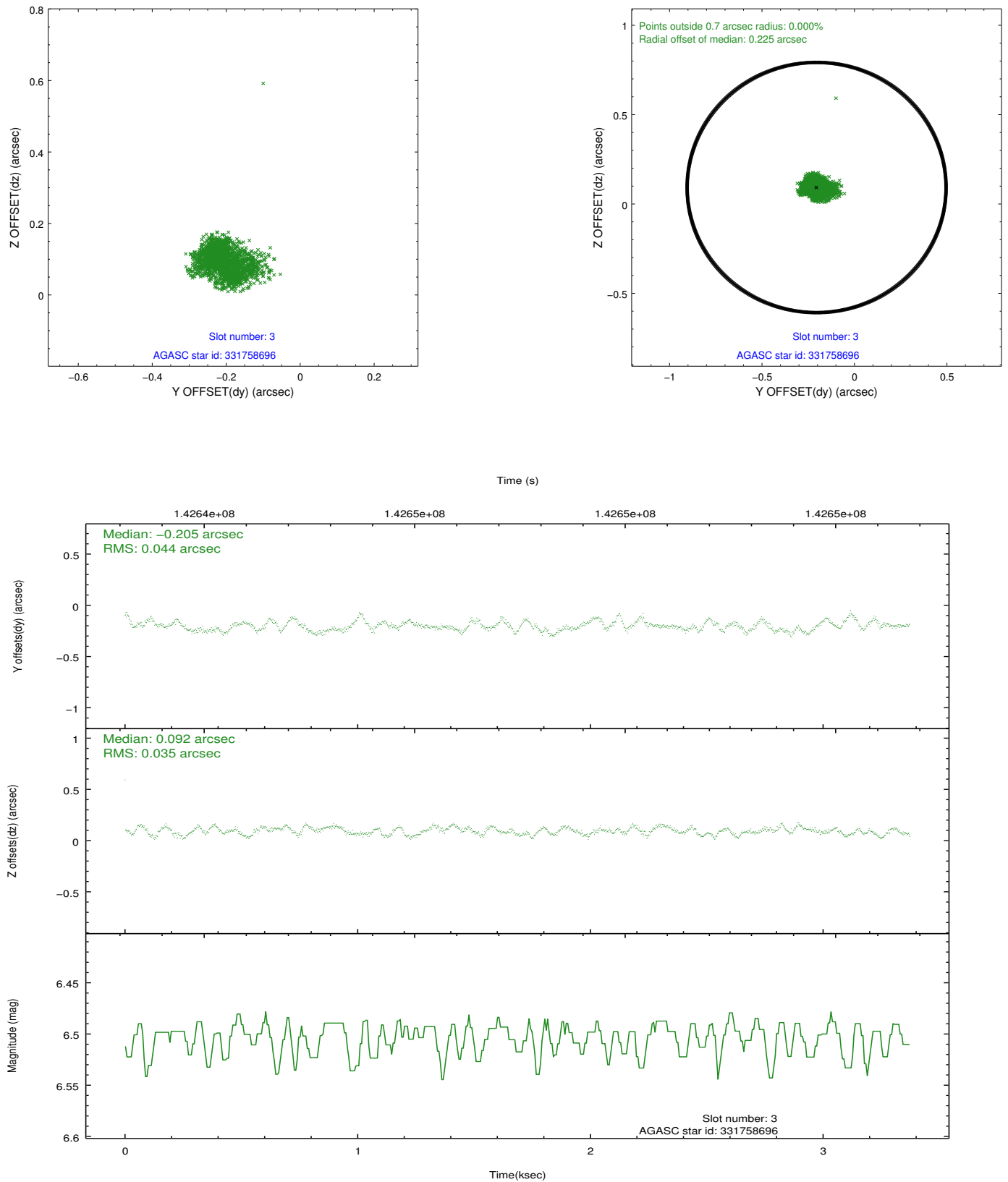


Slot Statistics

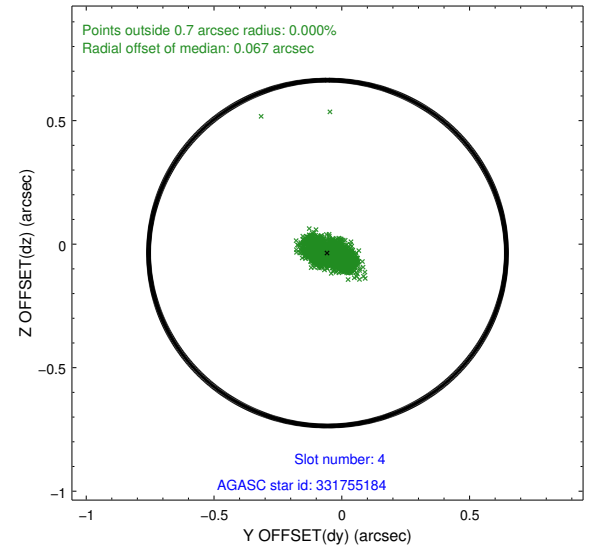
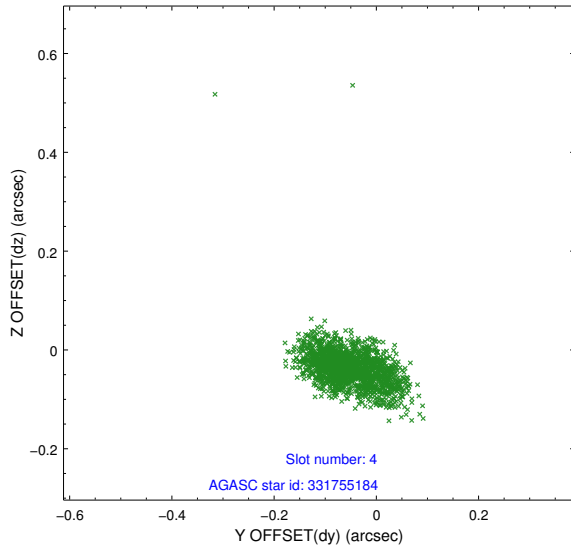
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	823	-0.007	-0.006	0.006	0.010	0.000000	0.000000	-755.84	-1729.28
1	FID	ACIS-S-4	7.20	823	-0.007	0.005	0.005	0.011	0.000000	0.000000	2156.61	177.25
2	FID	ACIS-S-5	7.24	823	-0.018	0.010	0.006	0.010	0.000000	0.000000	-1806.25	173.09
3	GUIDE	331758696	6.50	1645	-0.205	0.092	0.060	0.091	190.573893	33.688583	-1380.65	-228.65
4	GUIDE	331755184	7.39	1645	-0.056	-0.036	0.063	0.106	191.432991	33.541306	-1538.91	2396.49
5	GUIDE	331755928	8.87	1644	0.002	-0.124	0.067	0.107	190.670595	33.439059	-587.83	283.64
6	GUIDE	331756840	9.13	1645	0.229	-0.033	0.067	0.110	190.519091	32.862982	1534.72	372.01
7	GUIDE	331754696	9.20	1644	0.029	0.101	0.084	0.137	190.978789	32.921163	975.66	1661.01

2.4 Star Slots

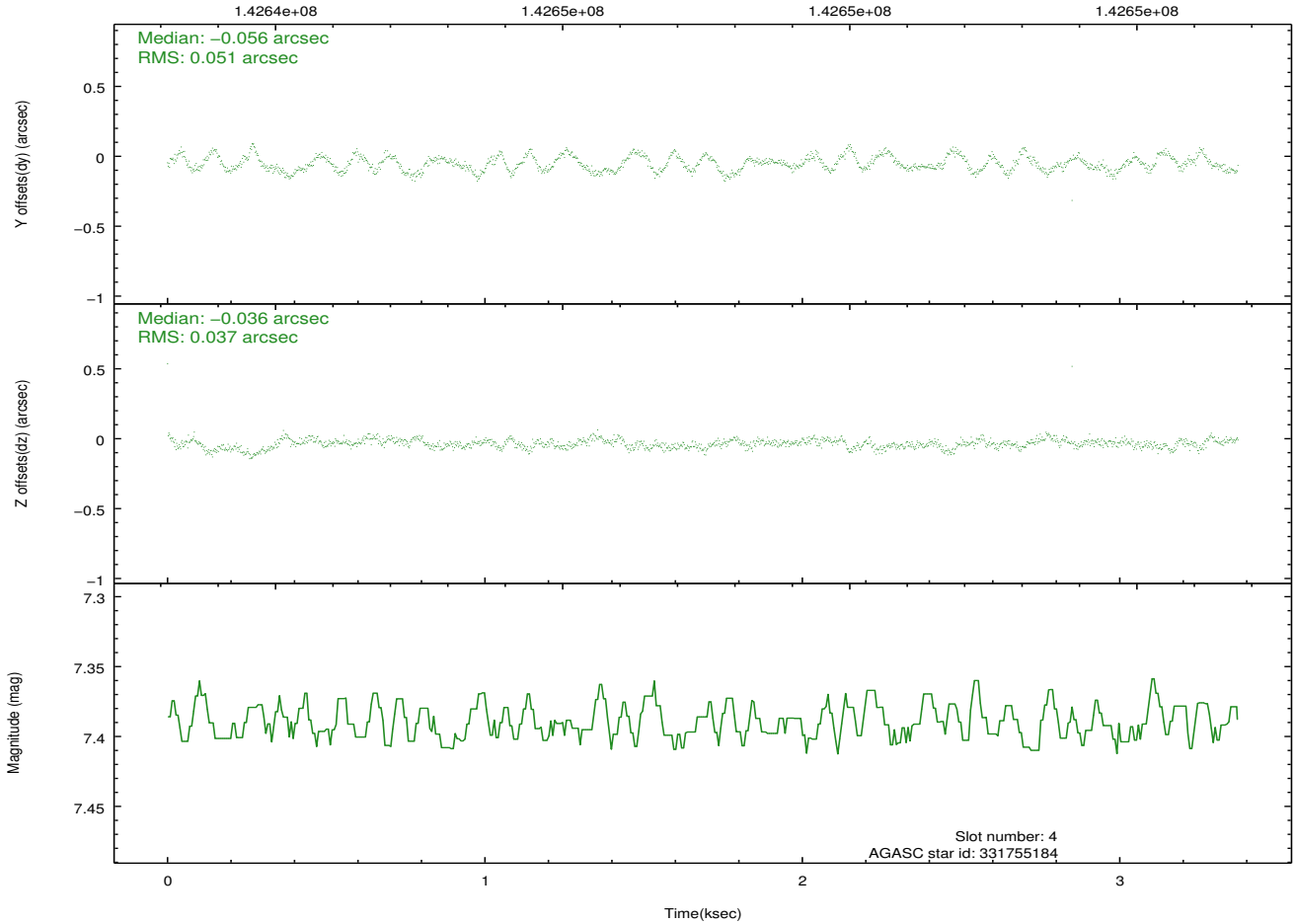
2.4.1 Slot 3



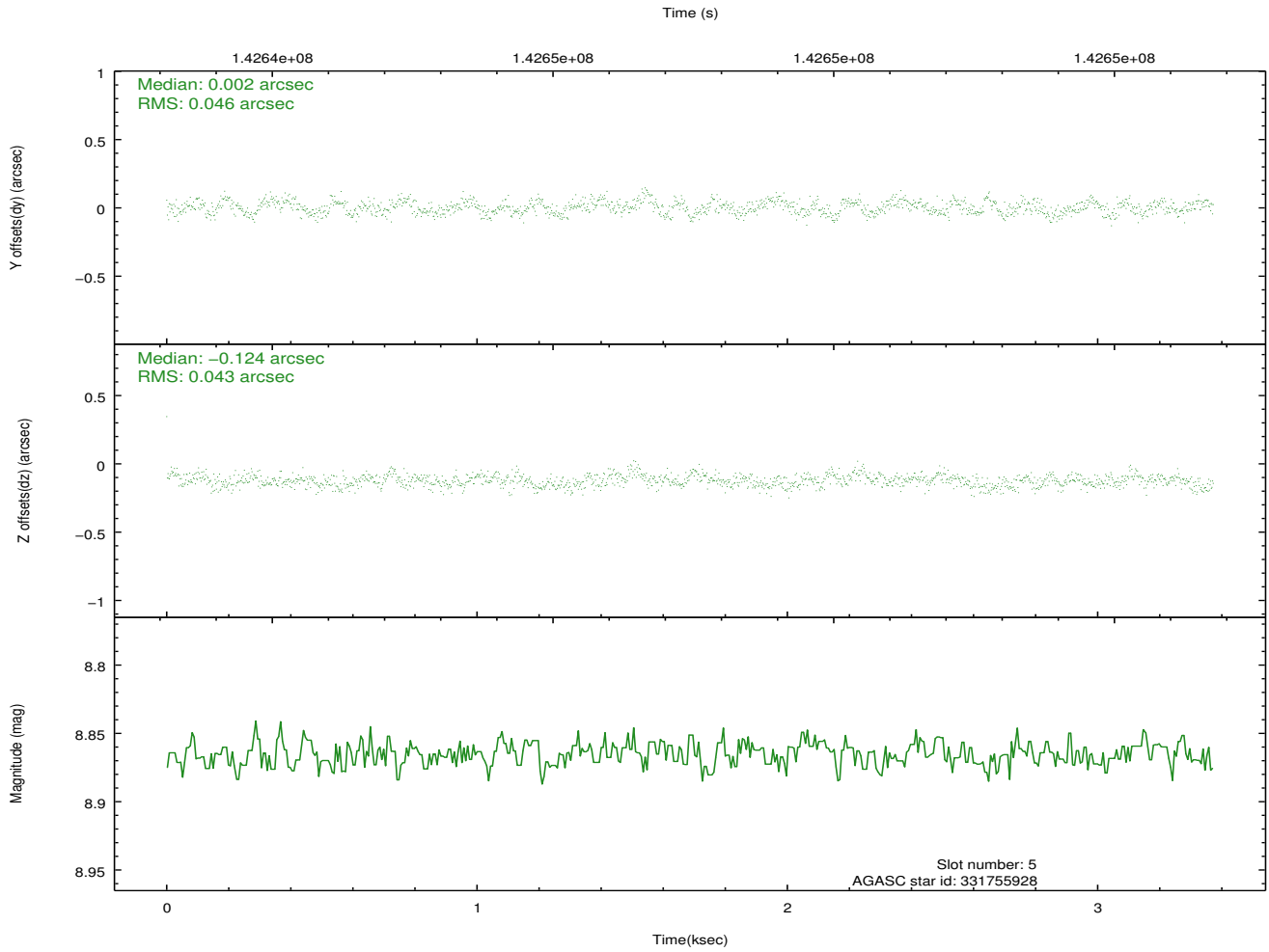
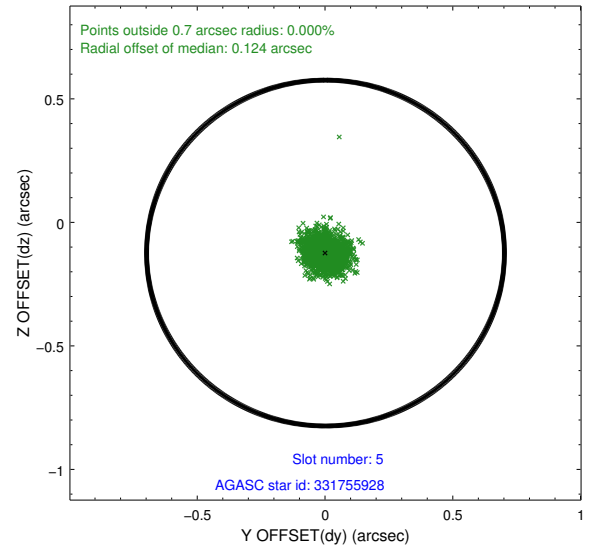
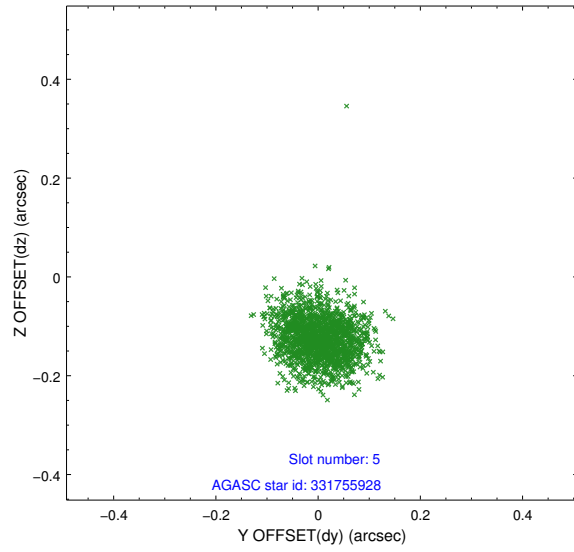
2.4.2 Slot 4



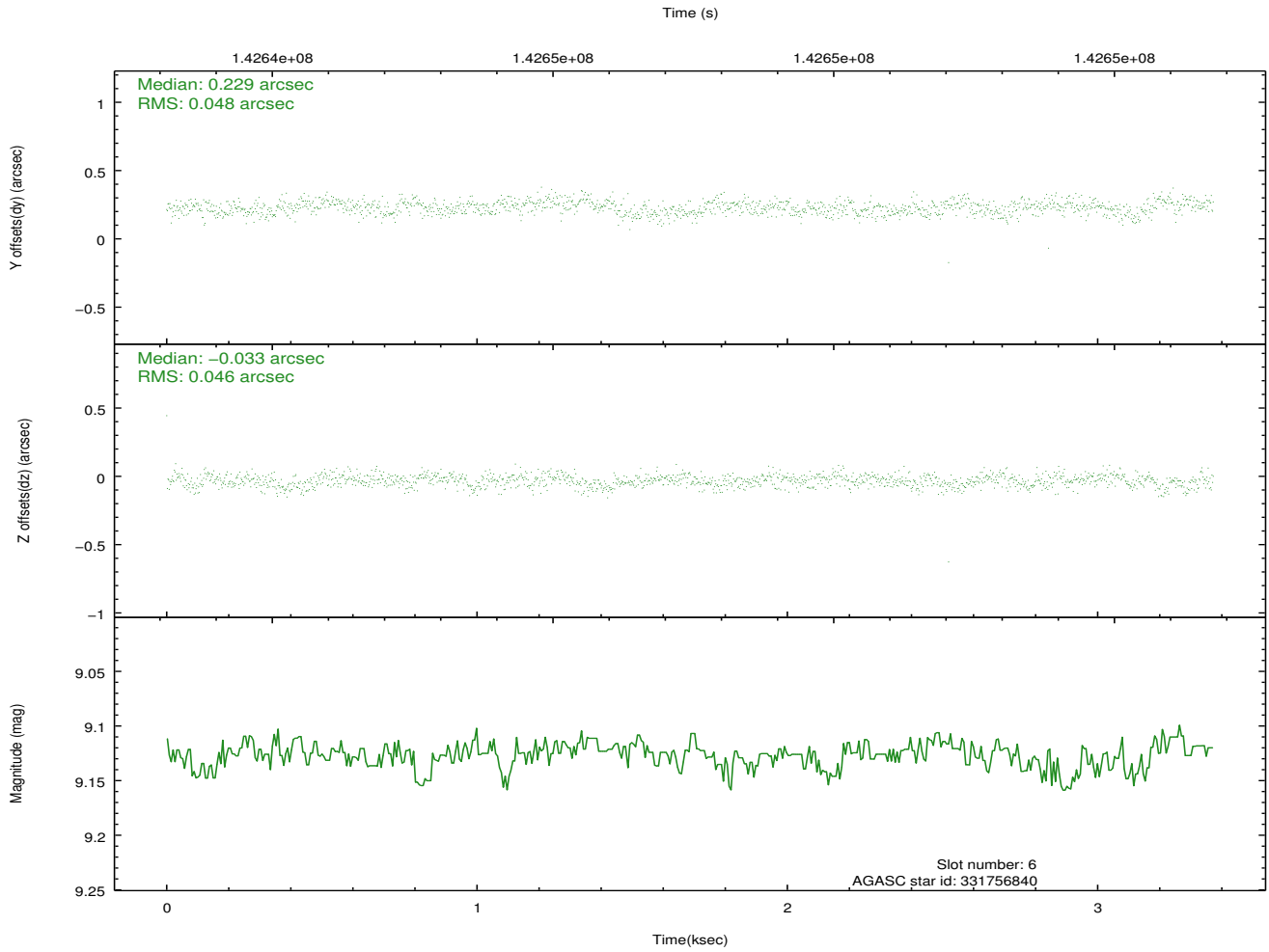
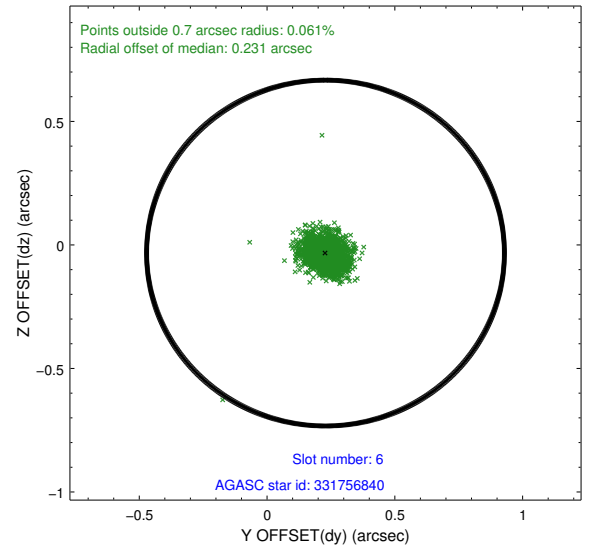
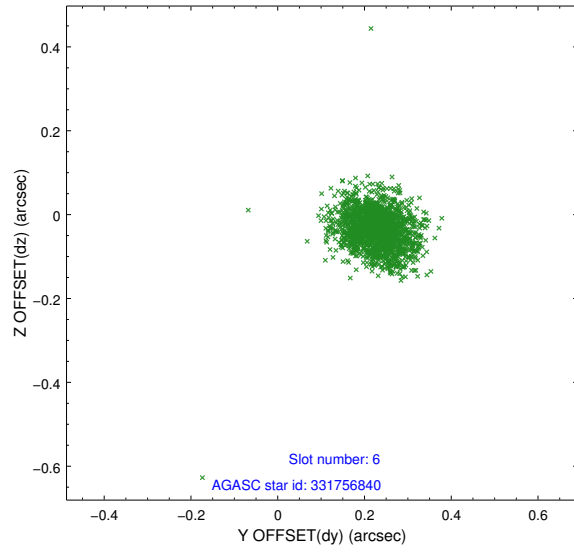
Time (s)



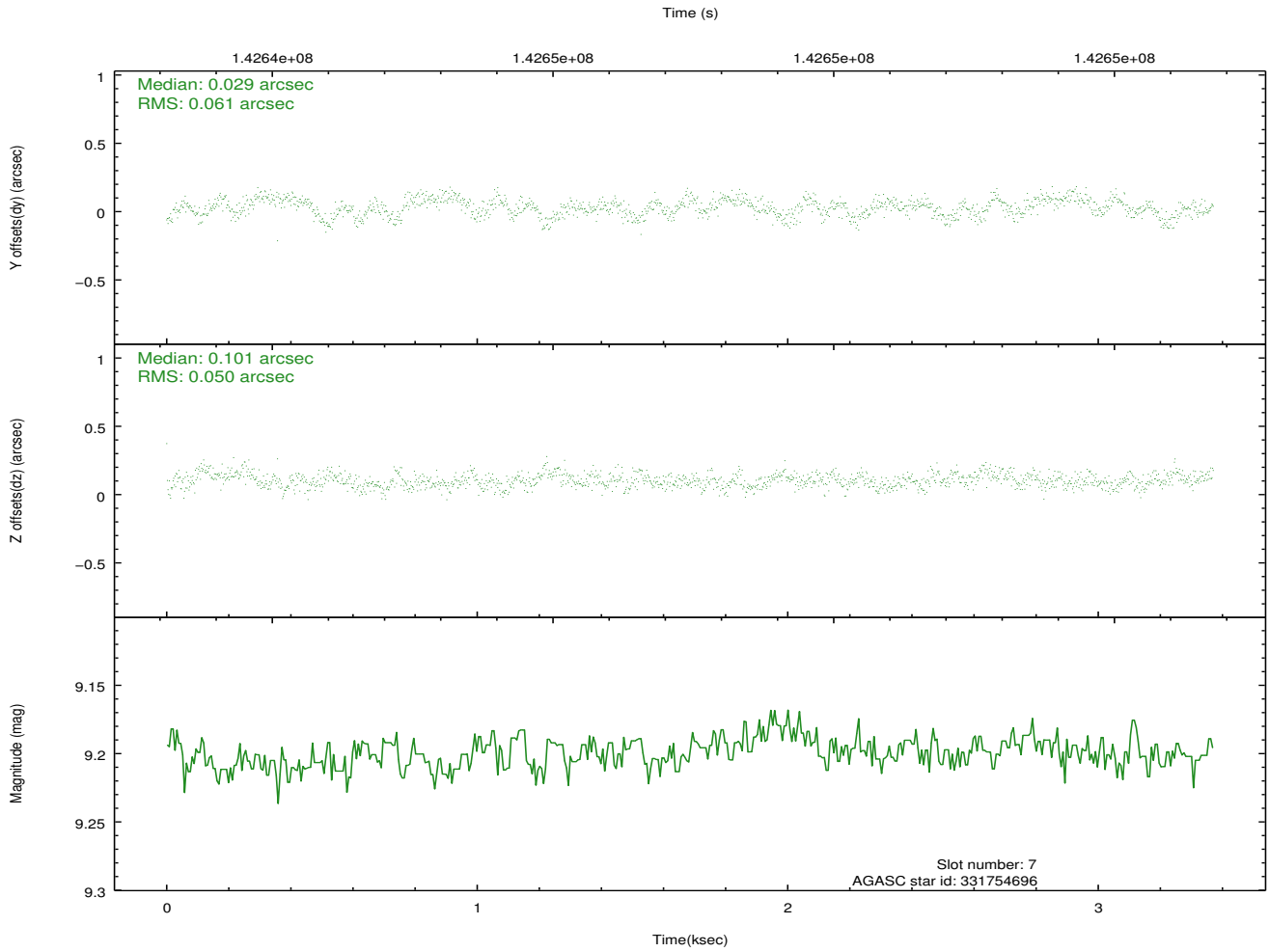
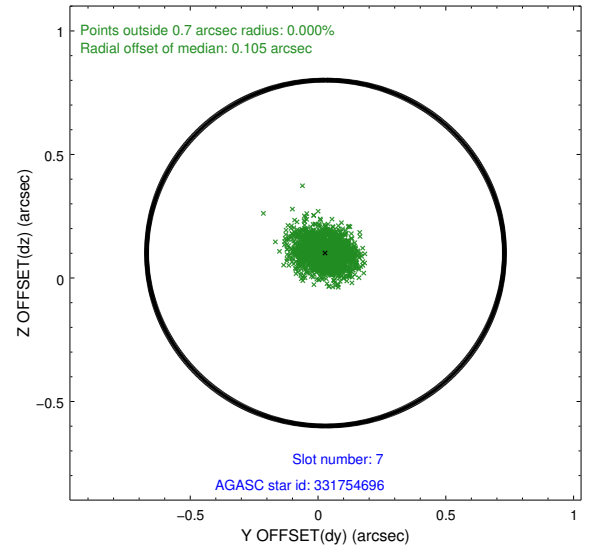
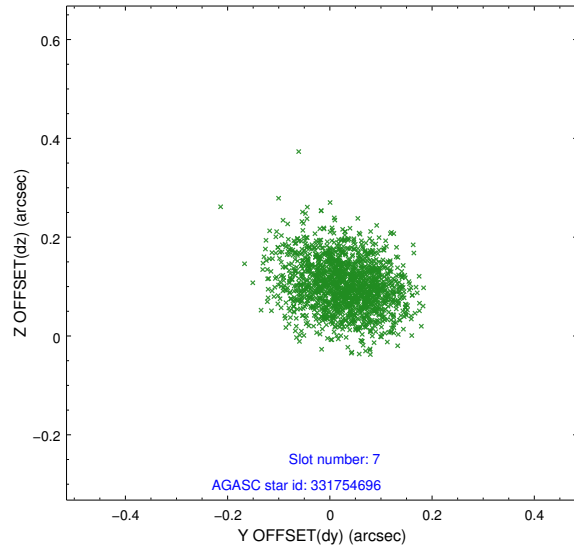
2.4.3 Slot 5



2.4.4 Slot 6

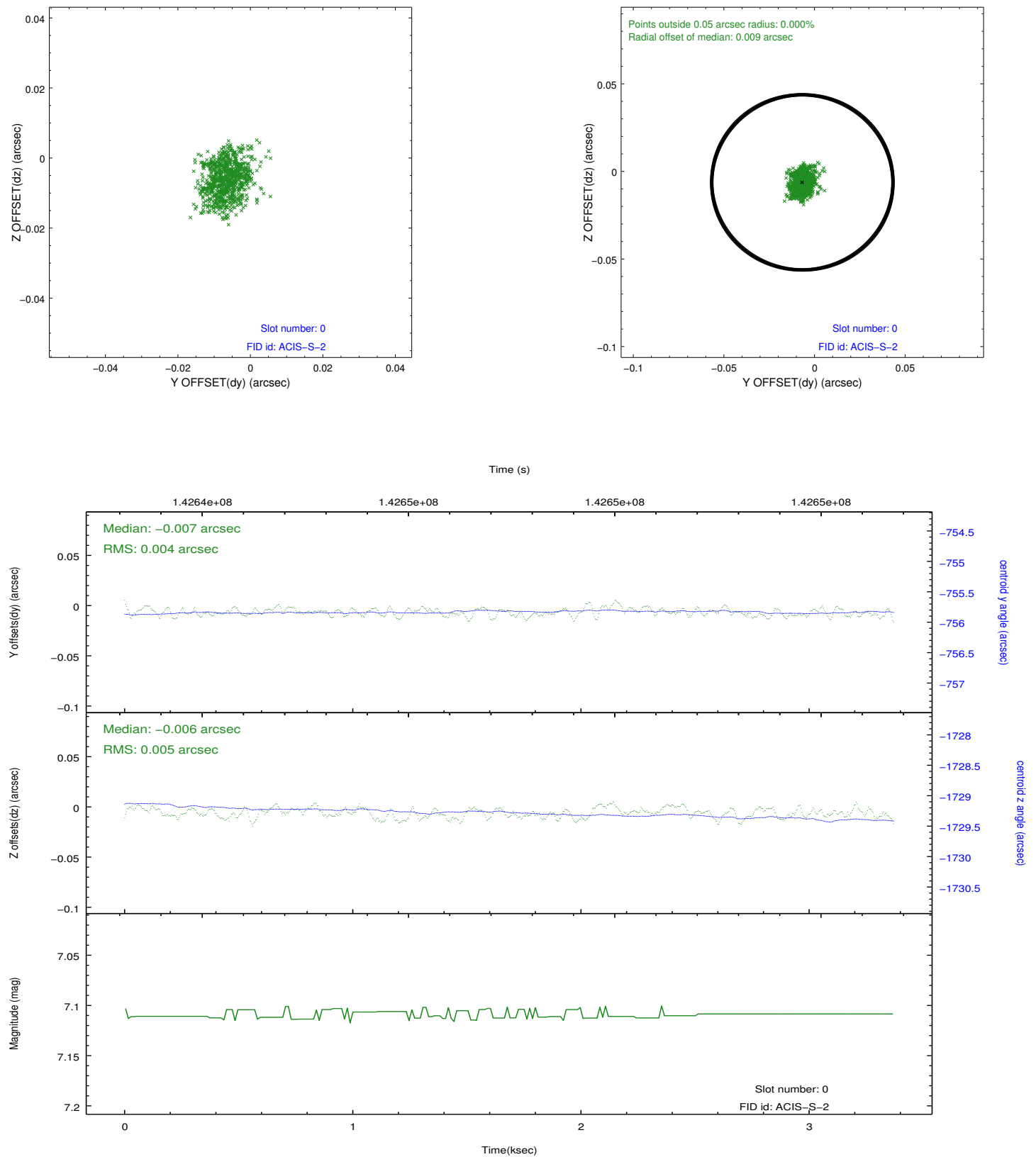


2.4.5 Slot 7

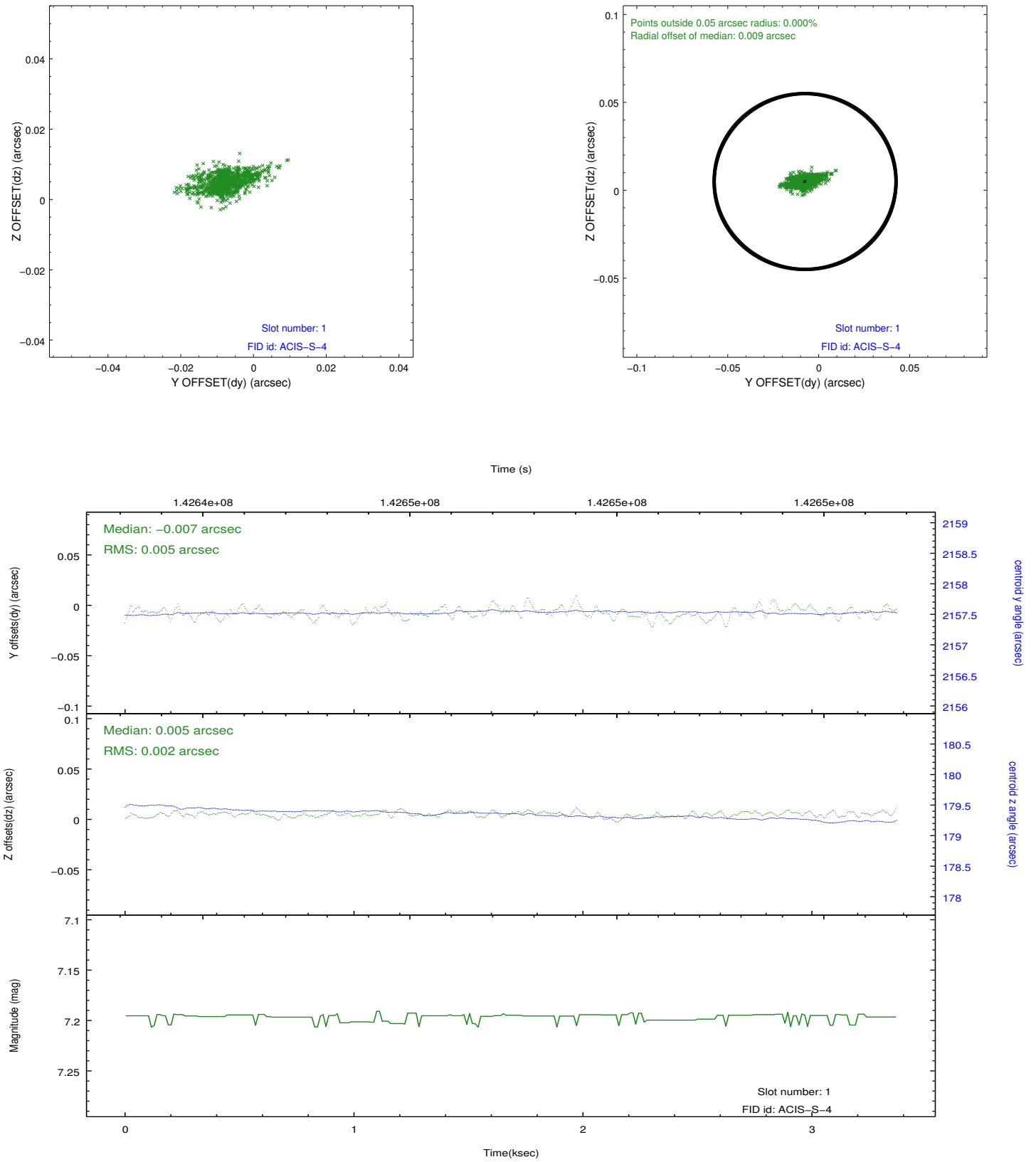


2.5 FID Slots

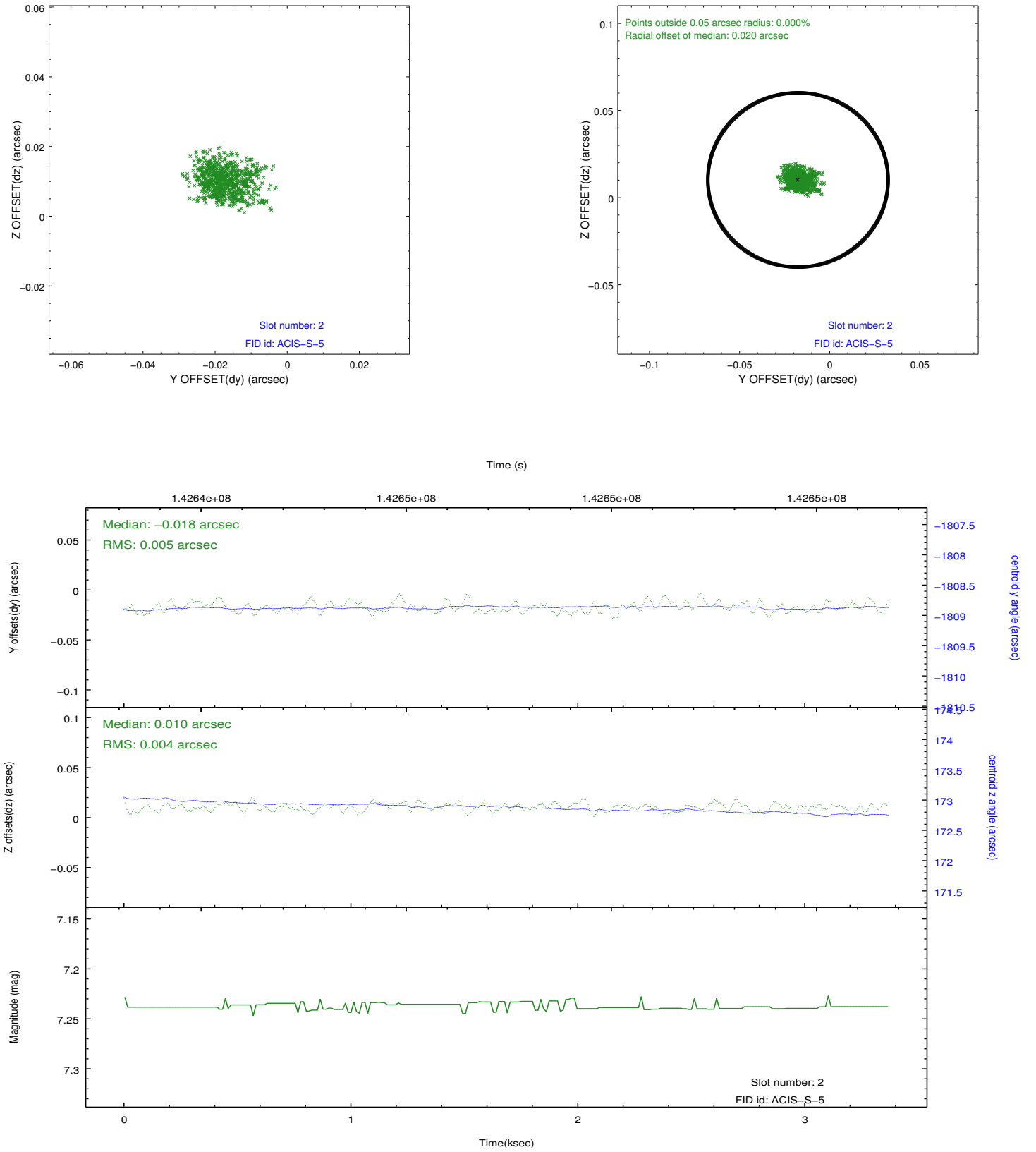
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.602

A.2 Comments