

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9248 - L2 Version 2
Chandra X-Ray Center

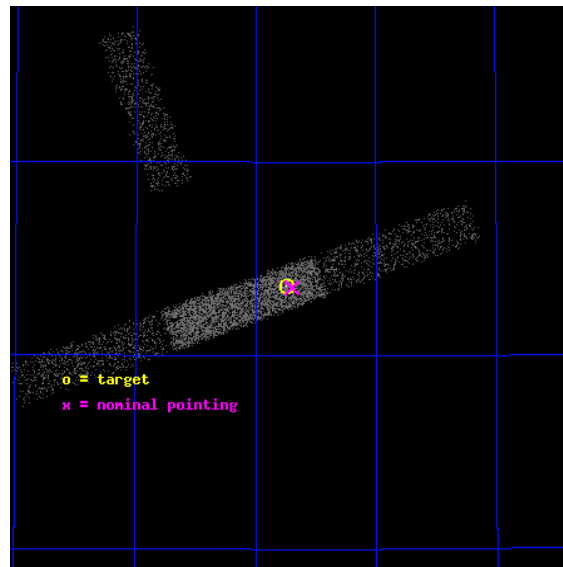
L2 Processing Date : May 7 2012

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1 Front

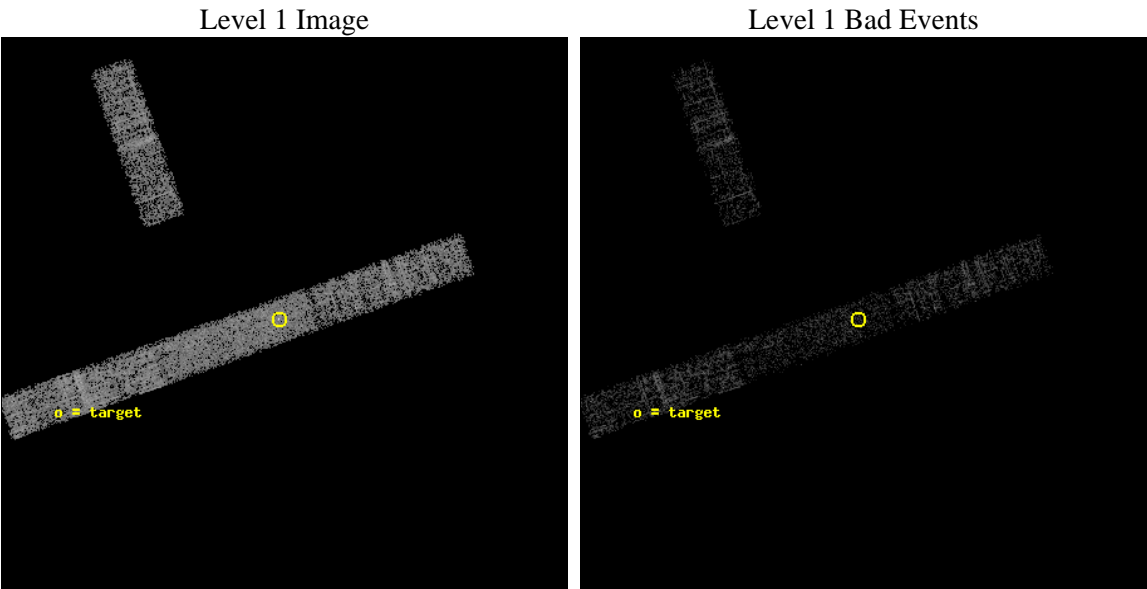
seq_num	701689	Sequence number
obs_id	9248	Observation id
title	Orientation effects in the X-ray and multi-wavelength properties of high-z, 3CRR quasars.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	3CRR 204	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.437083	Observer's specified target RA [deg]
dec_targ	65.226389	Observer's specified target Dec [deg]
ra_nom	129.42557920542	Nominal RA [deg]
dec_nom	65.225177791585	Nominal Dec [deg]
roll_nom	160.48084243558	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3180.0	Sum of GTIs [s]
livetime	3054.6376700223	Livetime [s]
ontime3	3180.0	Sum of GTIs [s]
ontime6	3180.0	Sum of GTIs [s]
ontime7	3180.0	Sum of GTIs [s]
ontime8	3180.0	Sum of GTIs [s]
l2events	7738	Number of level 2 events



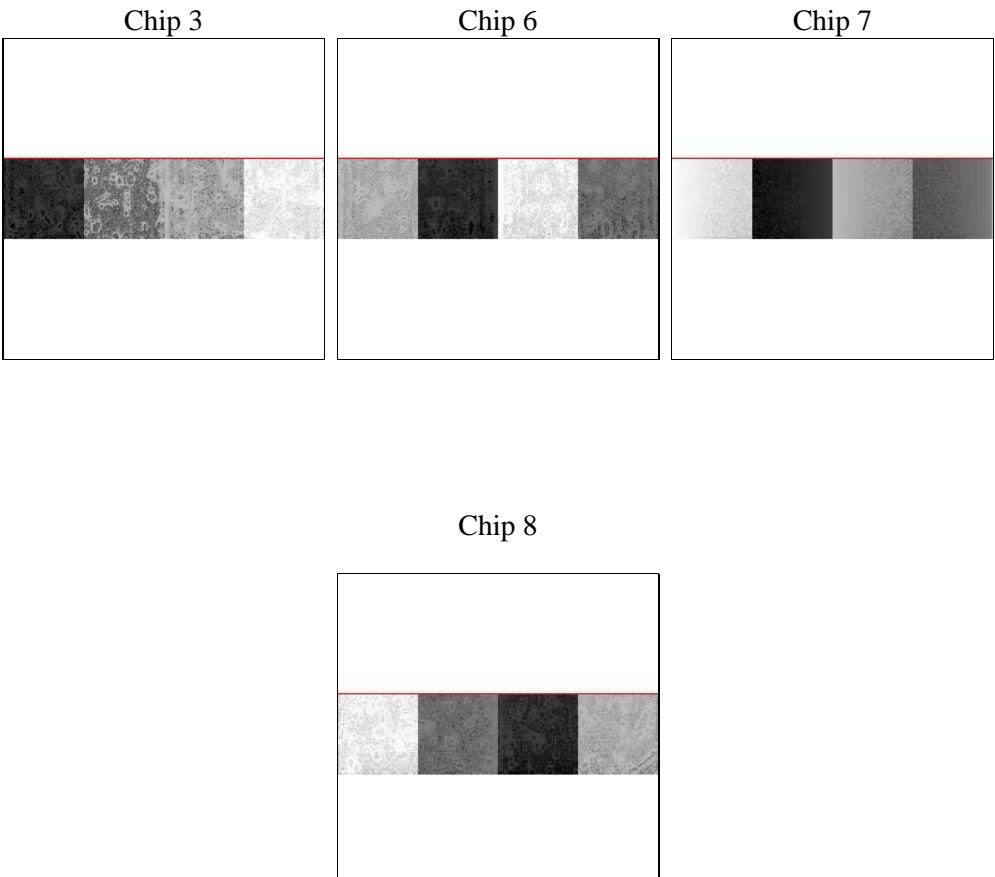
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



Chip 8



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.863000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3180.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	3180.0	Sum of GTIs [s]
date	2012-05-08T01:40:09	Date and time of file creation	ontime6	3180.0	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	3180.0	Sum of GTIs [s]
			ontime8	3180.0	Sum of GTIs [s]
			l1events	44770	Number of level 1 events

2.1.4 Events

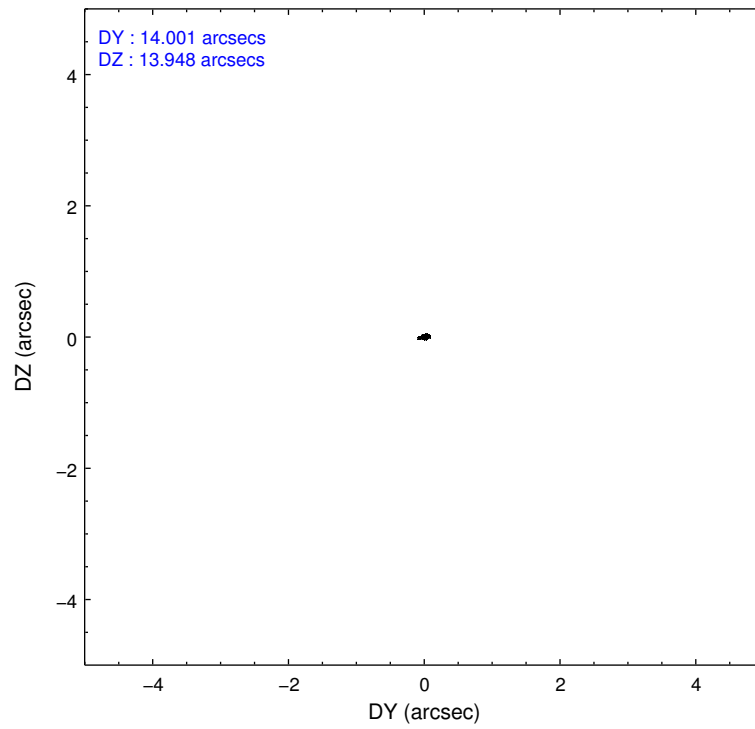
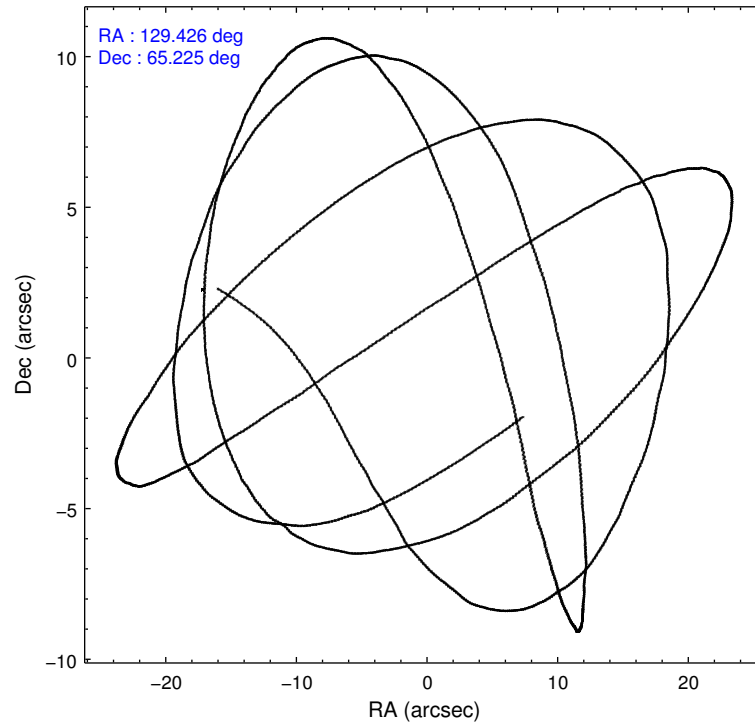
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	9130	9780	12117	13743
rejected events	8151	8671	6975	10943
rejected %	89%	88%	57%	79%

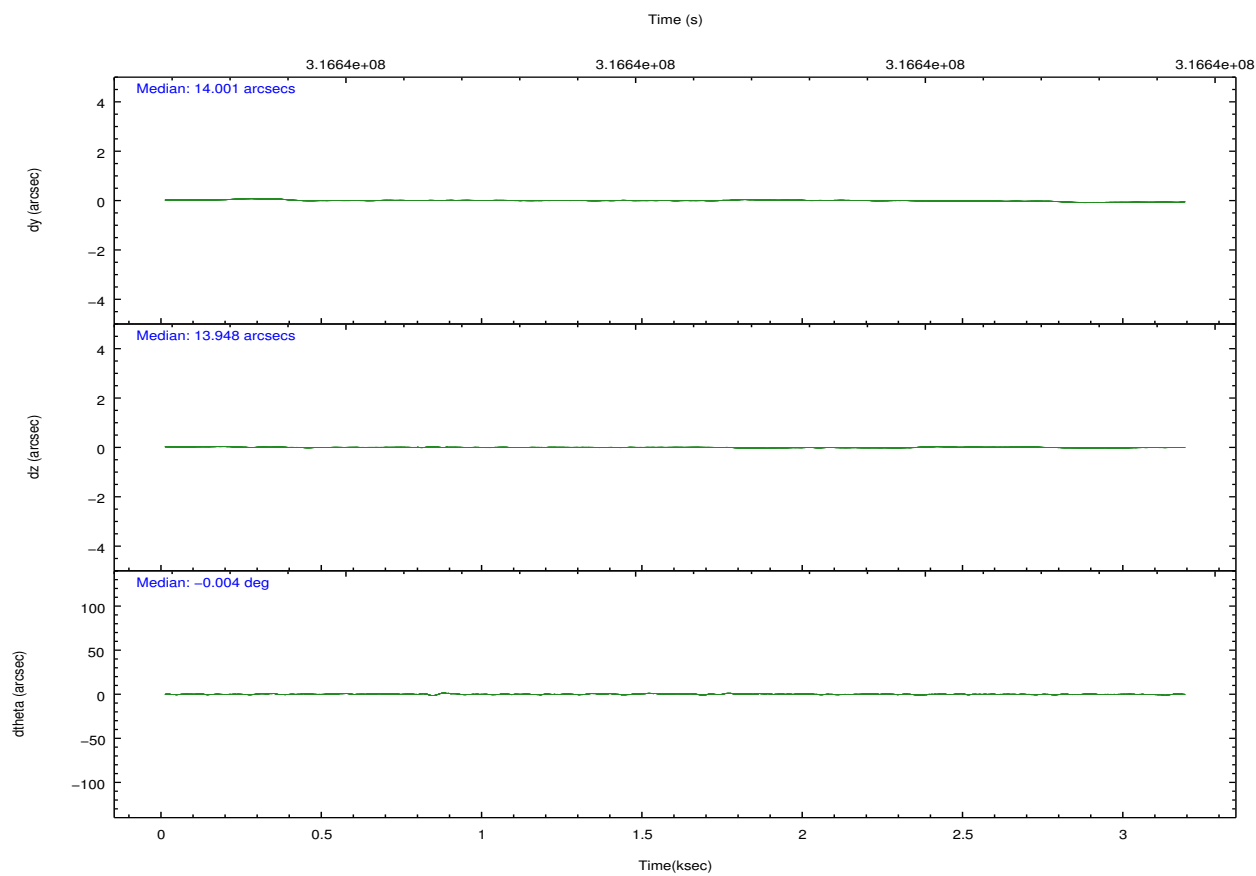
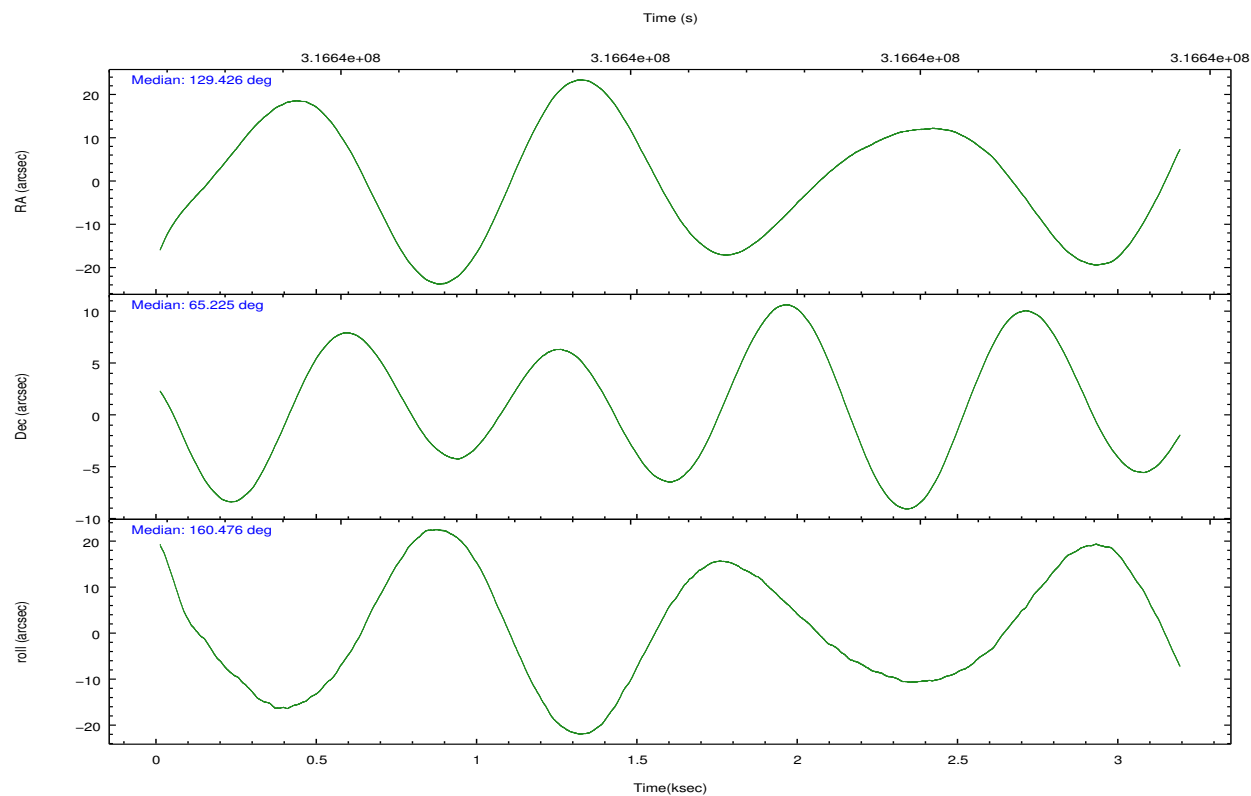
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	404	429	589	824
	4%	4%	4%	5%
grade 1 events	3	7	15	7
	0%	0%	0%	0%
grade 2 events	188	248	1139	657
	2%	2%	9%	4%
grade 3 events	149	135	545	331
	1%	1%	4%	2%
grade 4 events	135	162	533	354
	1%	1%	4%	2%
grade 5 events	346	361	1020	503
	3%	3%	8%	3%
grade 6 events	167	225	2682	826
	1%	2%	22%	6%
grade 7 events	7738	8213	5594	10241
	84%	83%	46%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	129.489775	129.4255792054238	CCD I2 on	N	N
[deg] Pointing Dec	65.230697	65.22517779158539	CCD I3 on	O1	Y
[deg] Pointing Roll	160.265891	160.4808424355819	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	316637730.184000	316636905.05636	CCD S5 on	N	N
Observation start date	2008-01-13T18:54:25	2008-01-13T18:41:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	316640730.184000	316640955.34406	On-chip summing requested	N	N
Observation end date	2008-01-13T19:44:25	2008-01-13T19:49:15	Subarray requested	CUSTOM	1/4
Read mode	TIMED	TIMED	Subarray start row	385	385
			Subarray row count	256	256
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1

2.3 Aspect



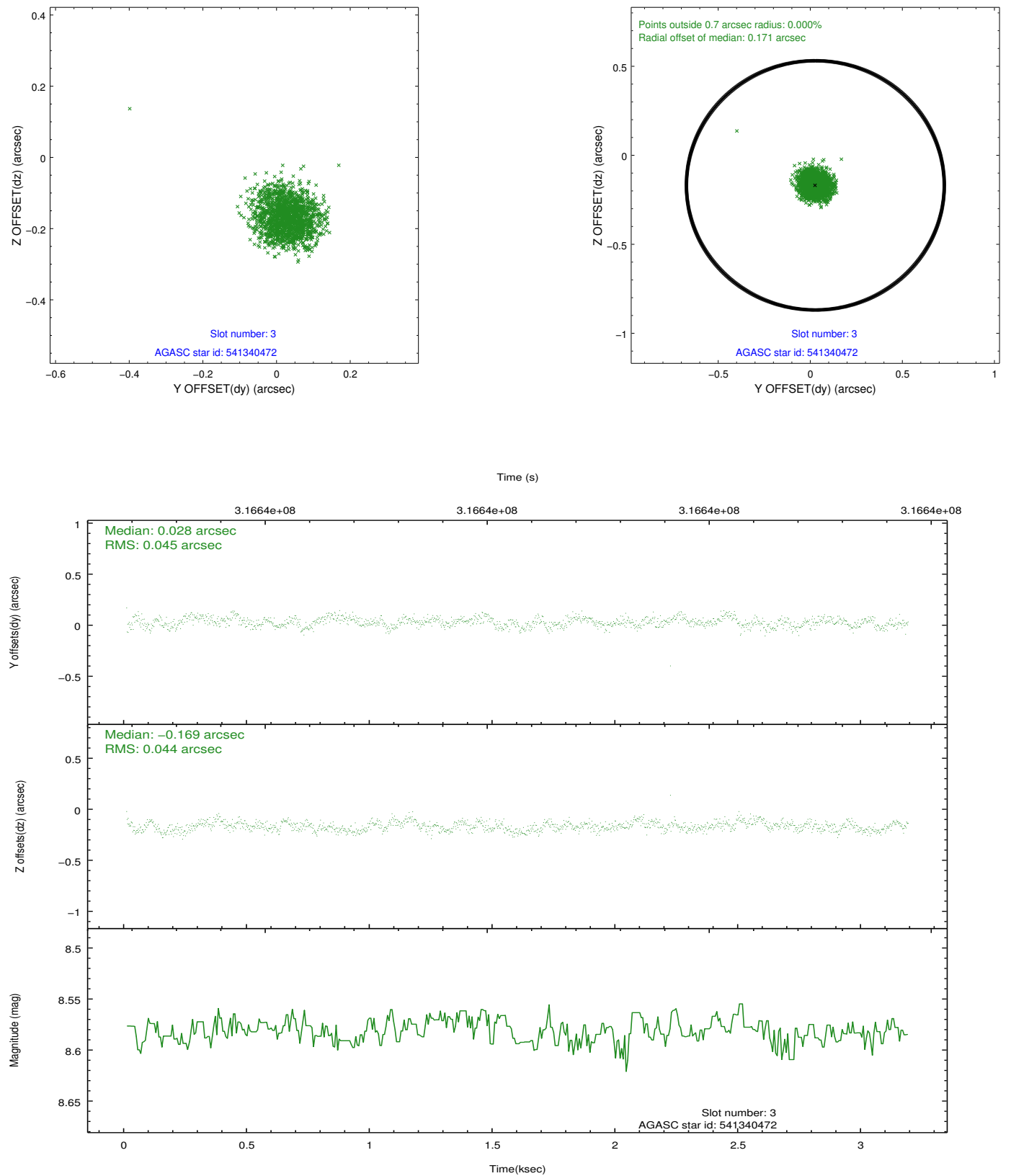


Slot Statistics

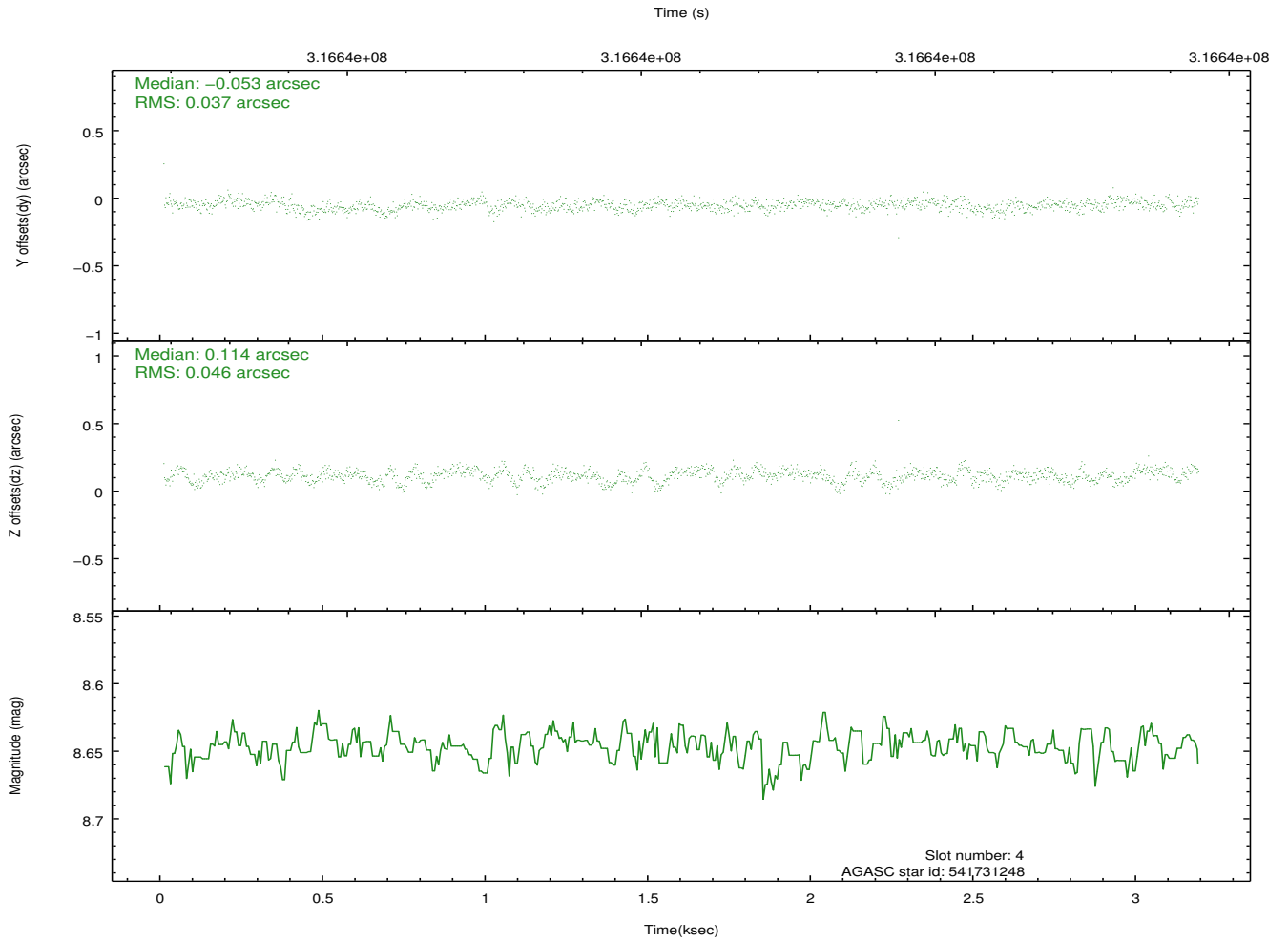
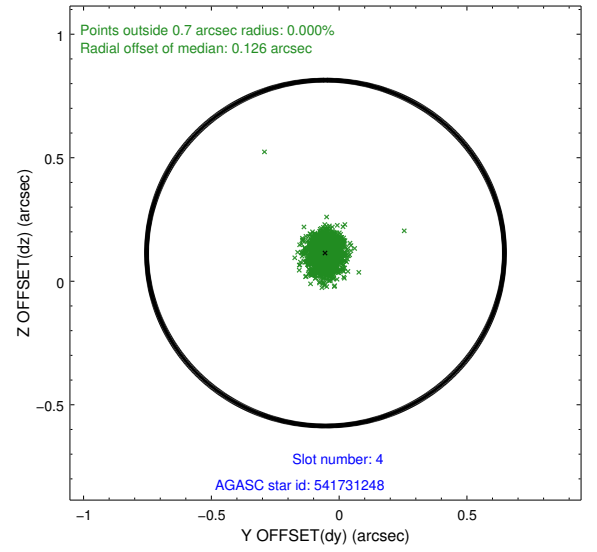
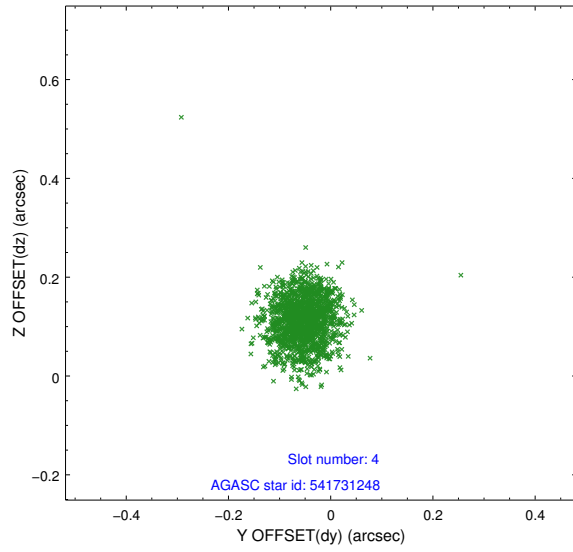
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	776	-0.063	-0.063	0.007	0.012	0.000000	0.000000	-767.00	-1735.31
1	FID	ACIS-S-4	7.19	776	0.197	0.047	0.005	0.009	0.000000	0.000000	2145.62	171.21
2	FID	ACIS-S-5	7.23	776	-0.165	0.025	0.007	0.011	0.000000	0.000000	-1817.38	167.14
3	GUIDE	541340472	8.58	1552	0.028	-0.169	0.067	0.104	130.047824	64.568398	-1616.27	1949.25
4	GUIDE	541731248	8.65	1552	-0.053	0.114	0.062	0.099	130.525791	65.290231	-1391.55	-739.41
5	GUIDE	541735808	9.14	1550	0.163	0.186	0.079	0.124	130.862286	65.215203	-1961.43	-668.89
6	GUIDE	541337704	7.36	1552	-0.038	-0.105	0.055	0.087	130.401676	64.705626	-1956.70	1295.74
7	GUIDE	541730424	9.19	1551	-0.100	-0.025	0.077	0.126	127.891536	65.345004	2406.79	395.00

2.4 Star Slots

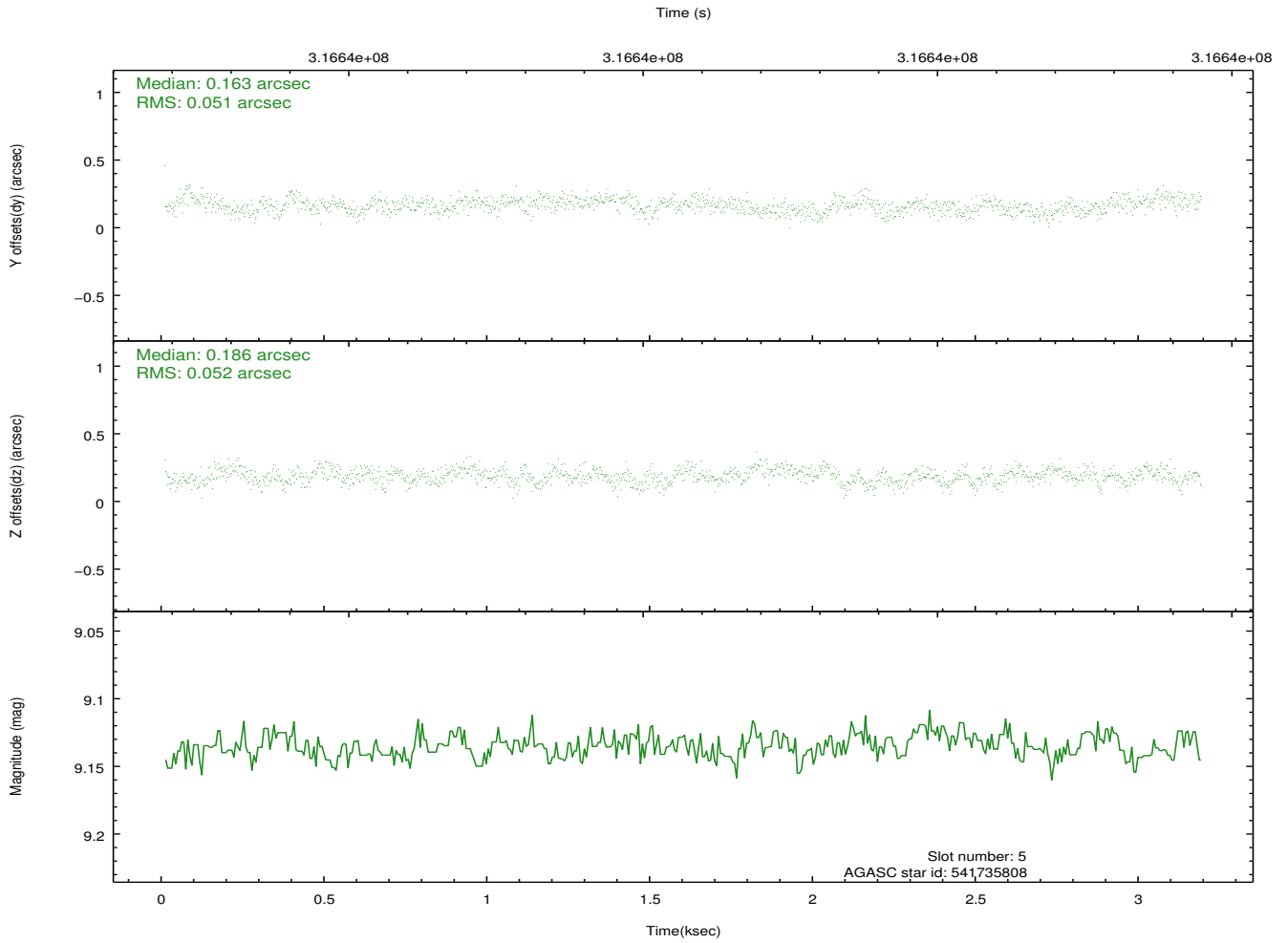
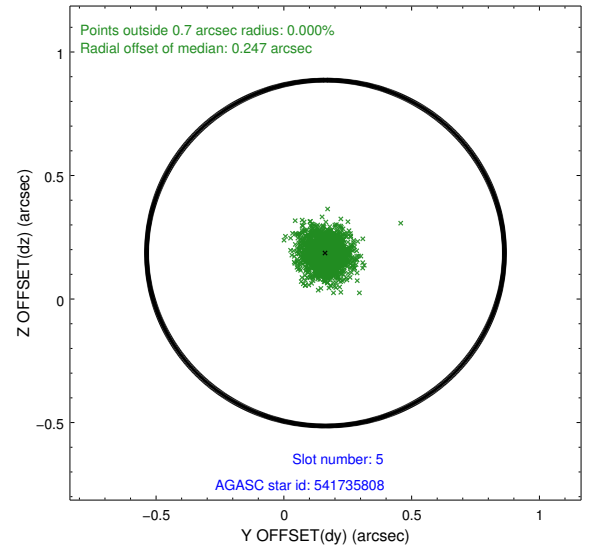
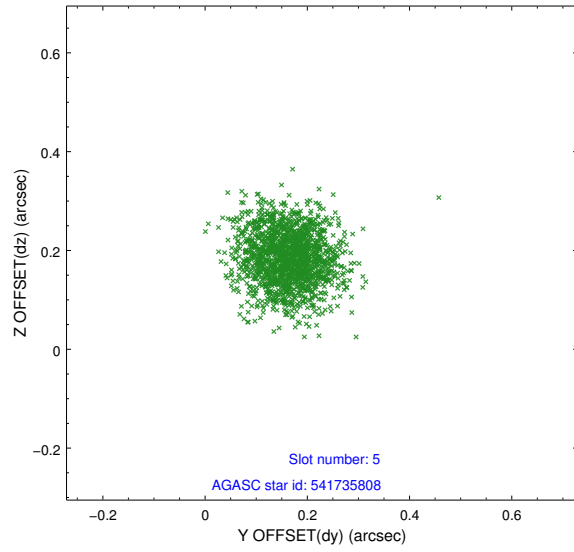
2.4.1 Slot 3



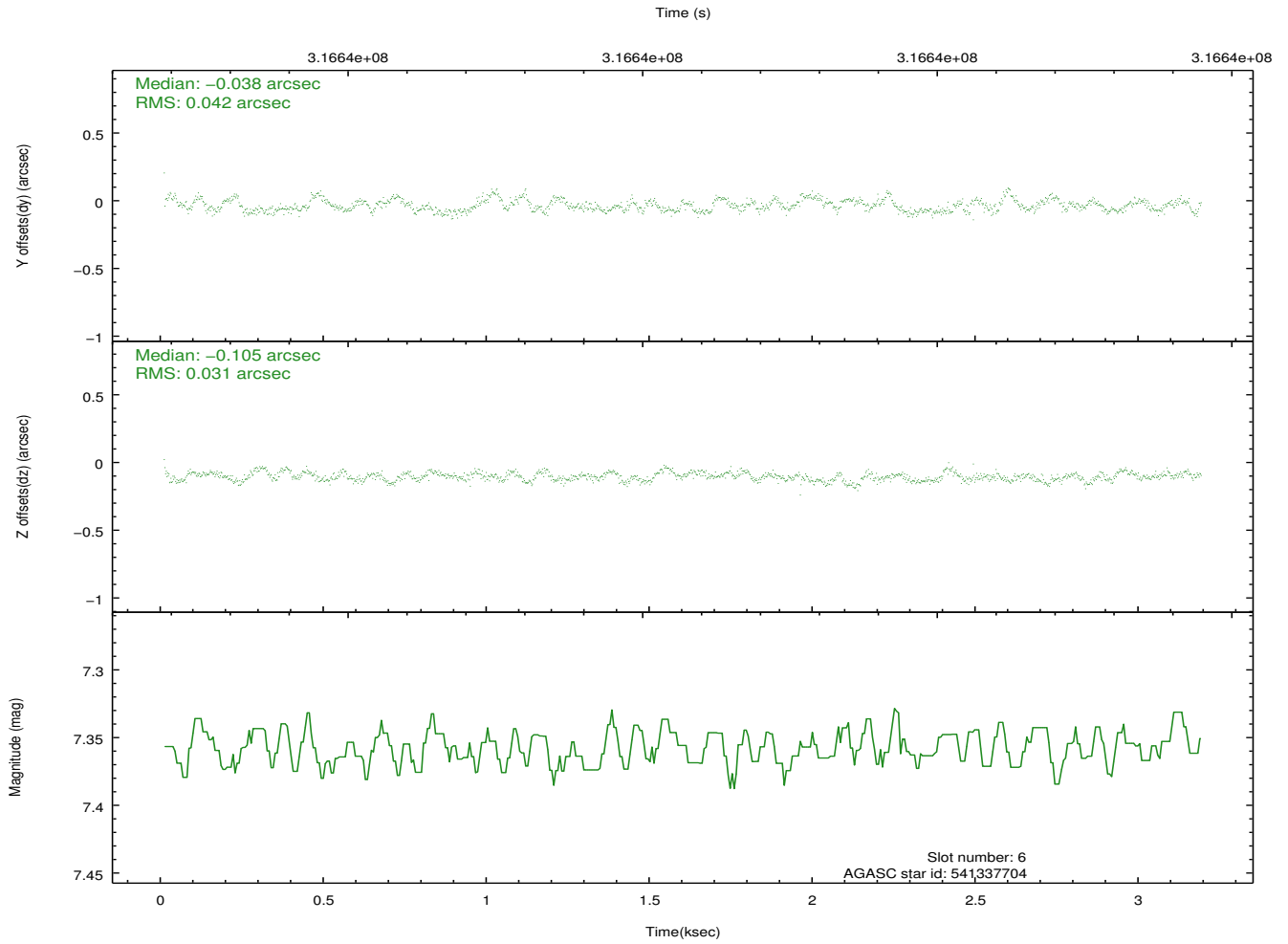
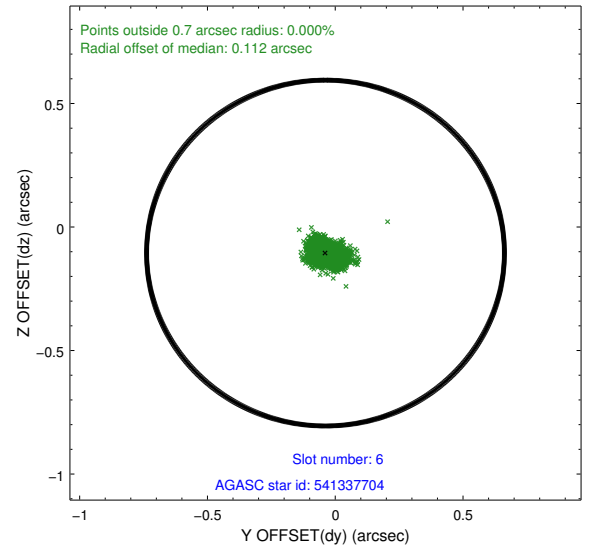
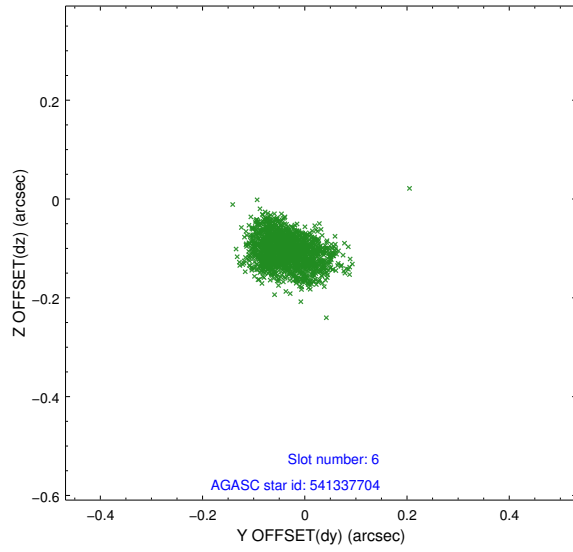
2.4.2 Slot 4



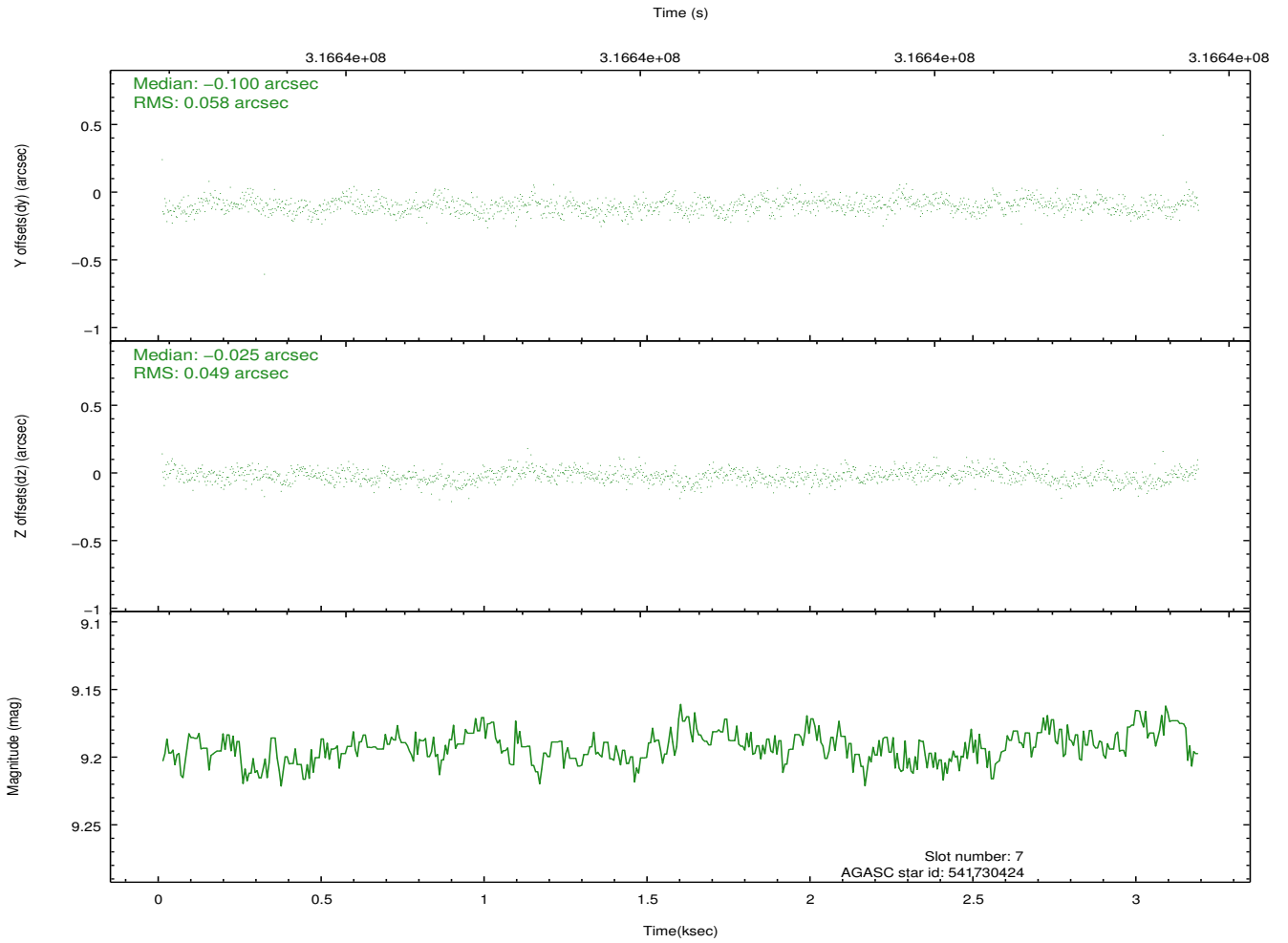
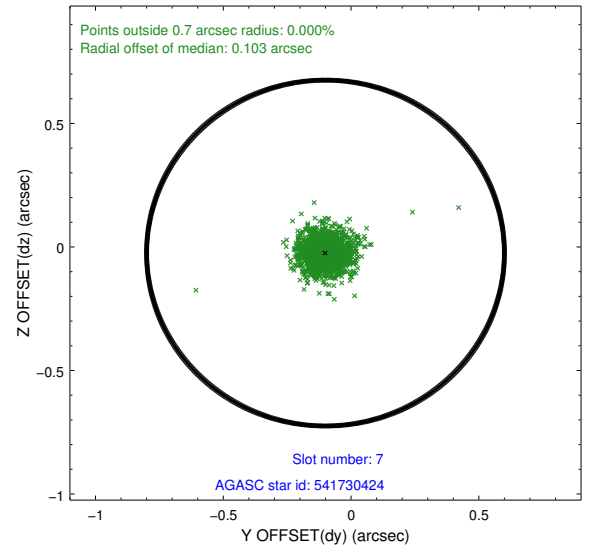
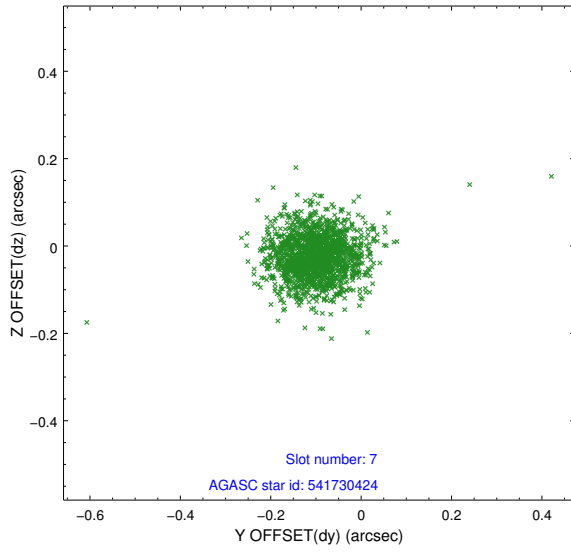
2.4.3 Slot 5



2.4.4 Slot 6

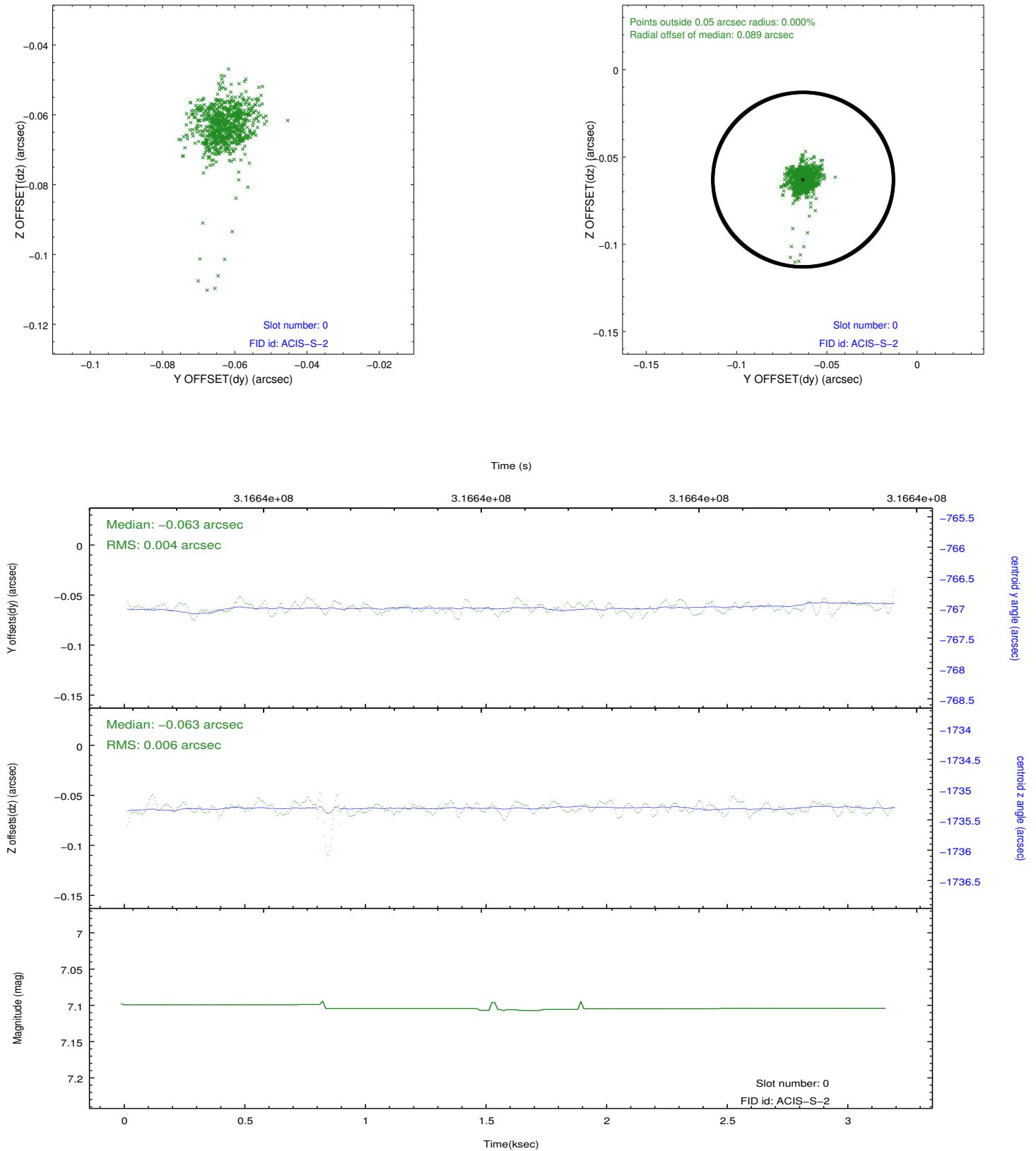


2.4.5 Slot 7

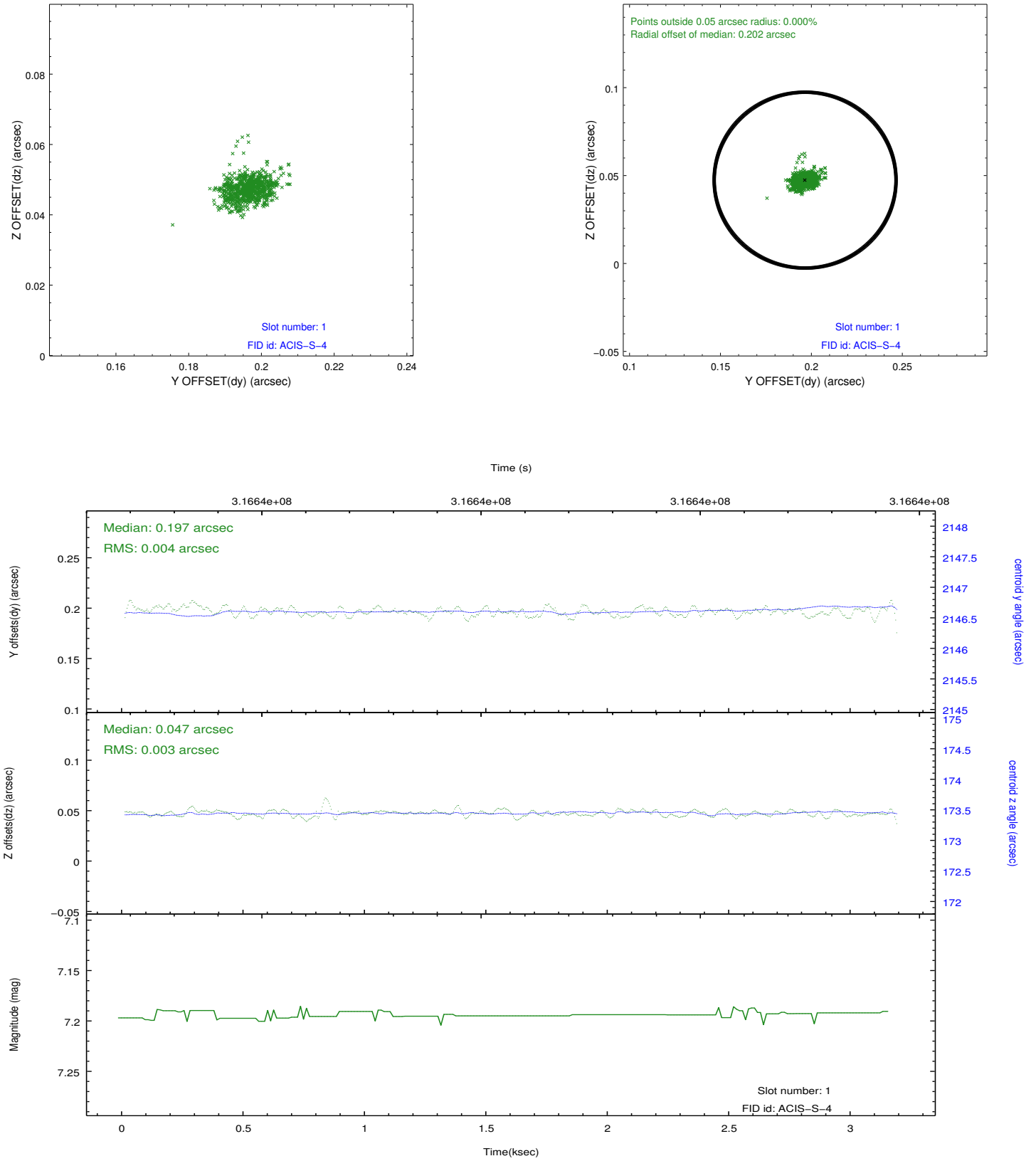


2.5 FID Slots

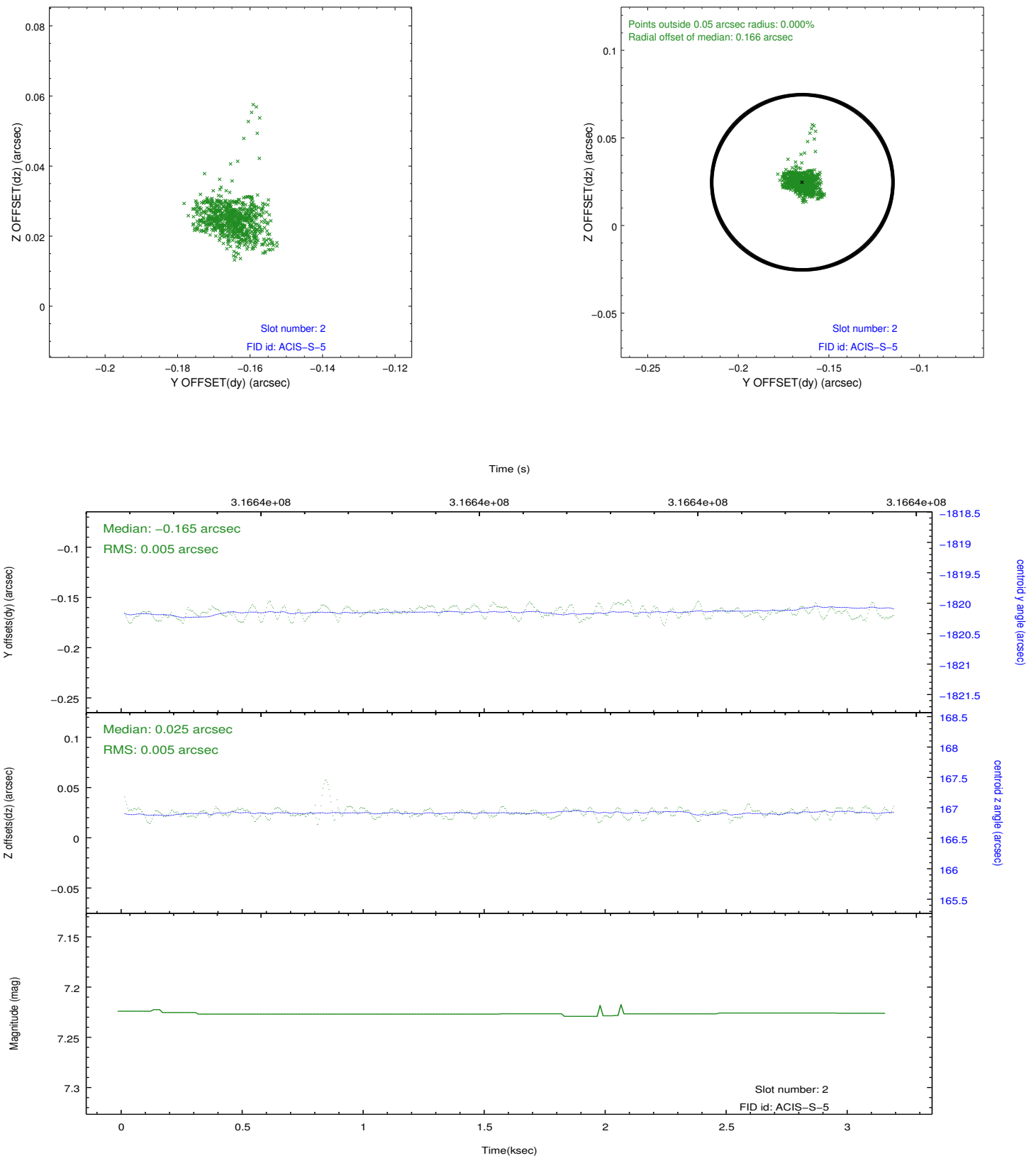
2.5.1 Slot 0



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)	2012.05.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18

A.2 Comments