

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2082 - L2 Version 3
Chandra X-Ray Center

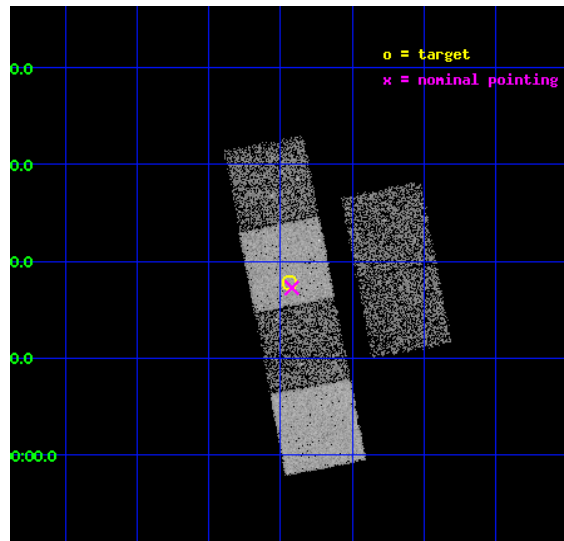
L2 Processing Date : Sep 14 2012

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1 Front

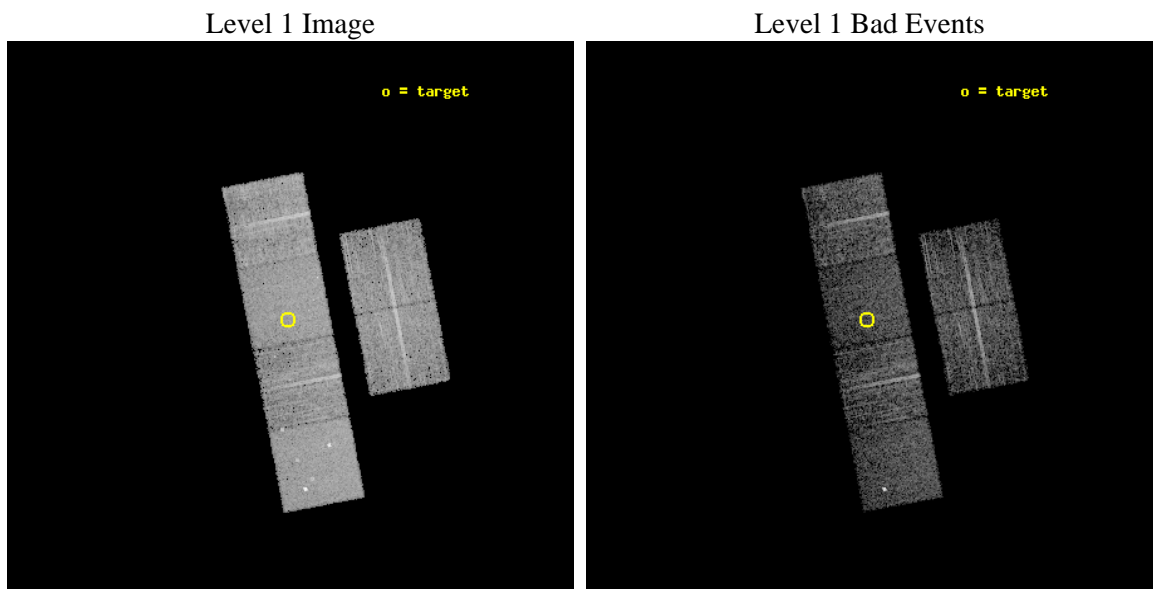
seq_num	700272	Sequence number
obs_id	2082	Observation id
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSSJ112956-014212	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	172.48375	Observer's specified target RA [deg]
dec_targ	-1.703444	Observer's specified target Dec [deg]
ra_nom	172.48011053875	Nominal RA [deg]
dec_nom	-1.7125566975672	Nominal Dec [deg]
roll_nom	258.98661996817	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4876.800004527	Sum of GTIs [s]
livetime	4815.0470264132	Livetime [s]
ontime2	4876.800004527	Sum of GTIs [s]
ontime3	4876.800004527	Sum of GTIs [s]
ontime5	4876.800004527	Sum of GTIs [s]
ontime6	4876.800004527	Sum of GTIs [s]
ontime7	4876.800004527	Sum of GTIs [s]
ontime8	4876.800004527	Sum of GTIs [s]
l2events	50972	Number of level 2 events



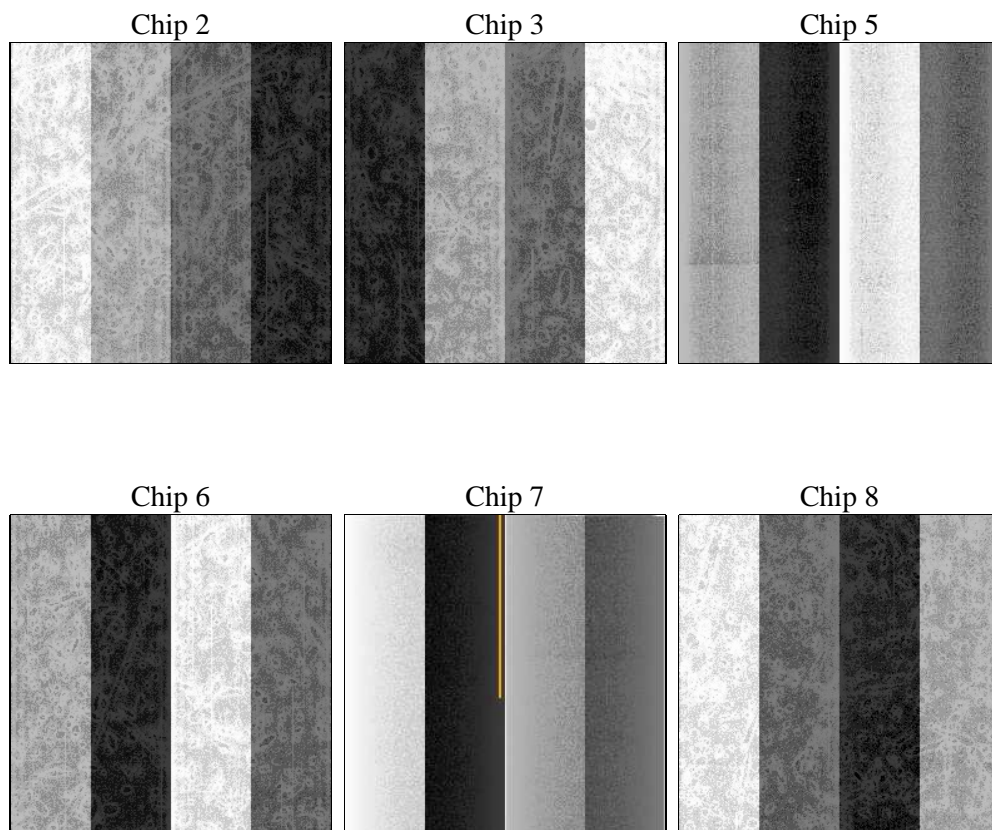
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4876.800004527	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4876.800004527	Sum of GTIs [s]
date	2012-09-14T06:35:38	Date and time of file creation	ontime3	4876.800004527	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4876.800004527	Sum of GTIs [s]
			ontime6	4876.800004527	Sum of GTIs [s]
			ontime7	4876.800004527	Sum of GTIs [s]
			ontime8	4876.800004527	Sum of GTIs [s]
			l1events	237035	Number of level 1 events

2.1.4 Events

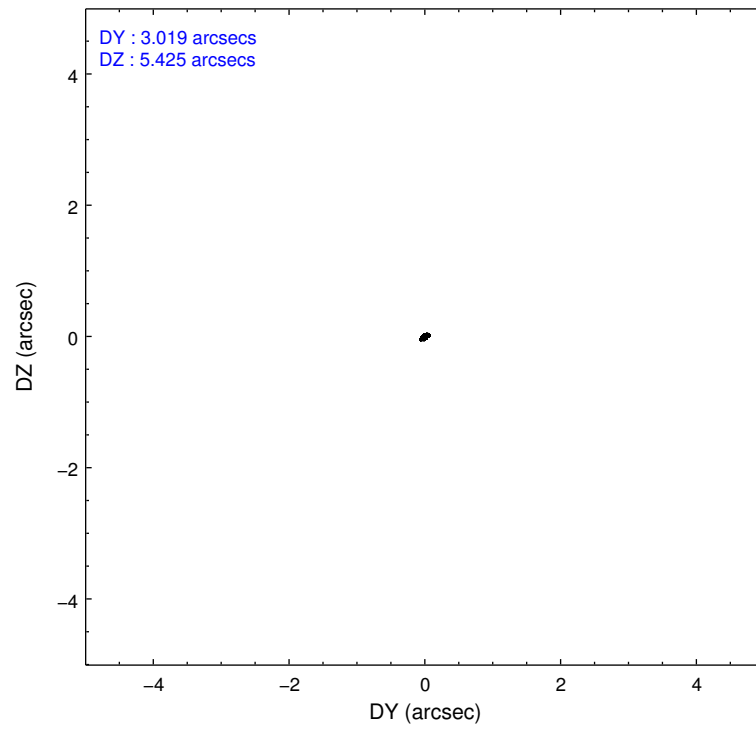
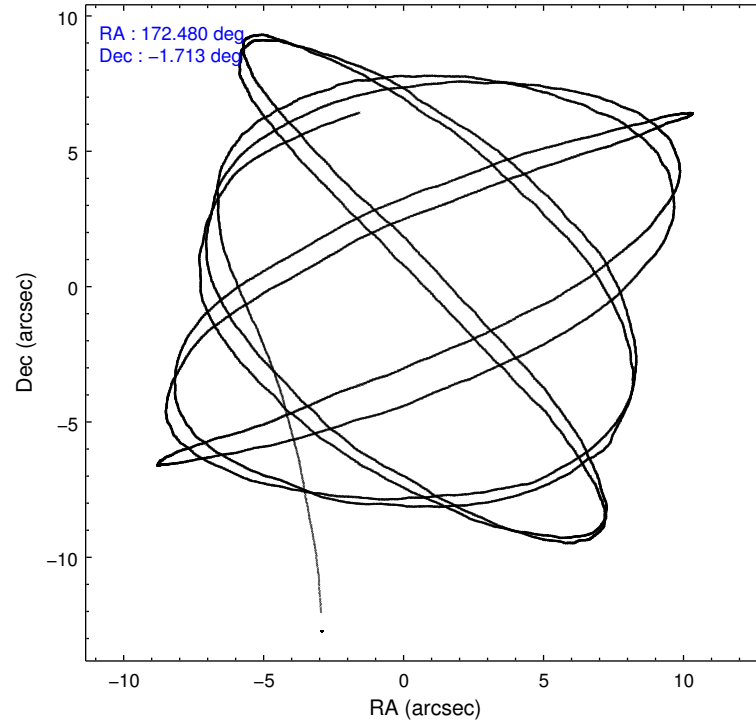
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34685	34131	47987	34306	41596	44330	grade 0 events	1672	1605	3018	1837	1727	3751
rejected events	30598	30266	26071	29989	24226	33199		4%	4%	6%	5%	4%	8%
rejected %	88%	88%	54%	87%	58%	74%	grade 1 events	14	10	69	18	38	34
								0%	0%	0%	0%	0%	0%
							grade 2 events	939	815	6349	906	3347	2089
								2%	2%	13%	2%	8%	4%
							grade 3 events	325	344	917	368	1577	1449
								0%	1%	1%	1%	3%	3%
							grade 4 events	381	363	856	425	1538	1335
								1%	1%	1%	1%	3%	3%
							grade 5 events	1185	1269	3565	1330	3992	1729
								3%	3%	7%	3%	9%	3%
							grade 6 events	775	742	10791	785	9190	2513
								2%	2%	22%	2%	22%	5%
							grade 7 events	29394	28983	22422	28637	20187	31430
								84%	84%	46%	83%	48%	70%

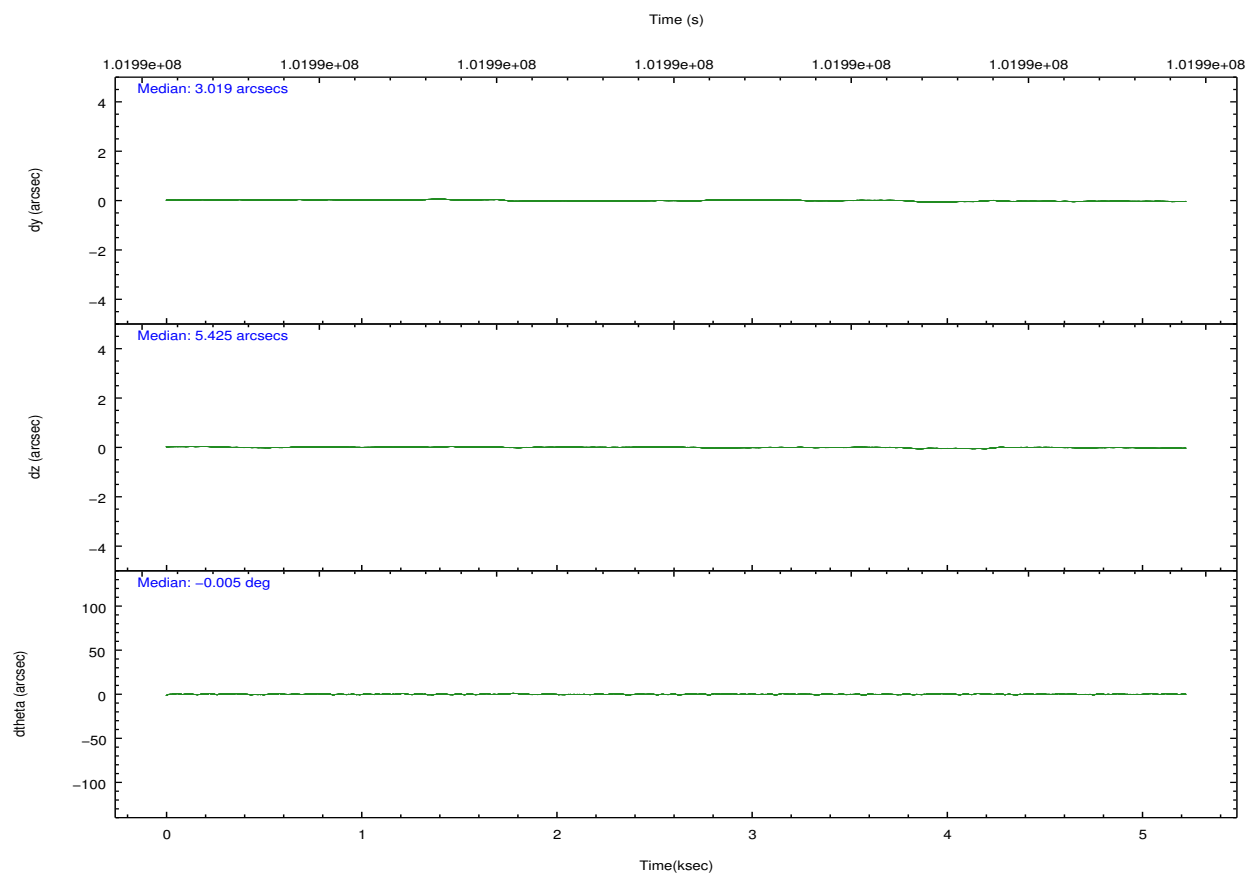
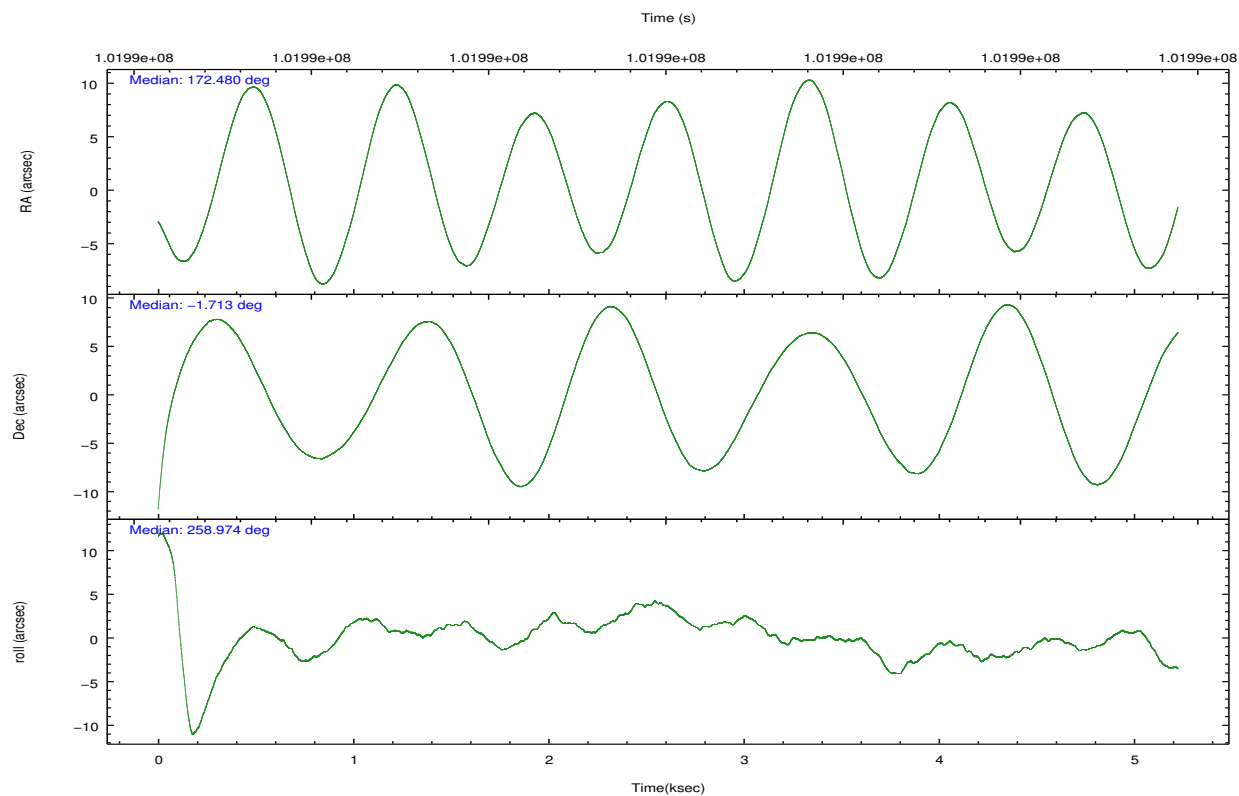
2.2 Compared Parameters

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	172.471055	172.480110538748
[deg] Pointing Dec	-1.686834	-1.712556697567163
[deg] Pointing Roll	258.829705	258.9866199681712
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	101986624.184000	101985628.31973
Observation start date	2001-03-26T09:36:00	2001-03-26T09:20:28
[s] Observation end time (MET)	101991624.184000	101992367.18249
Observation end date	2001-03-26T10:59:20	2001-03-26T11:12:47
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



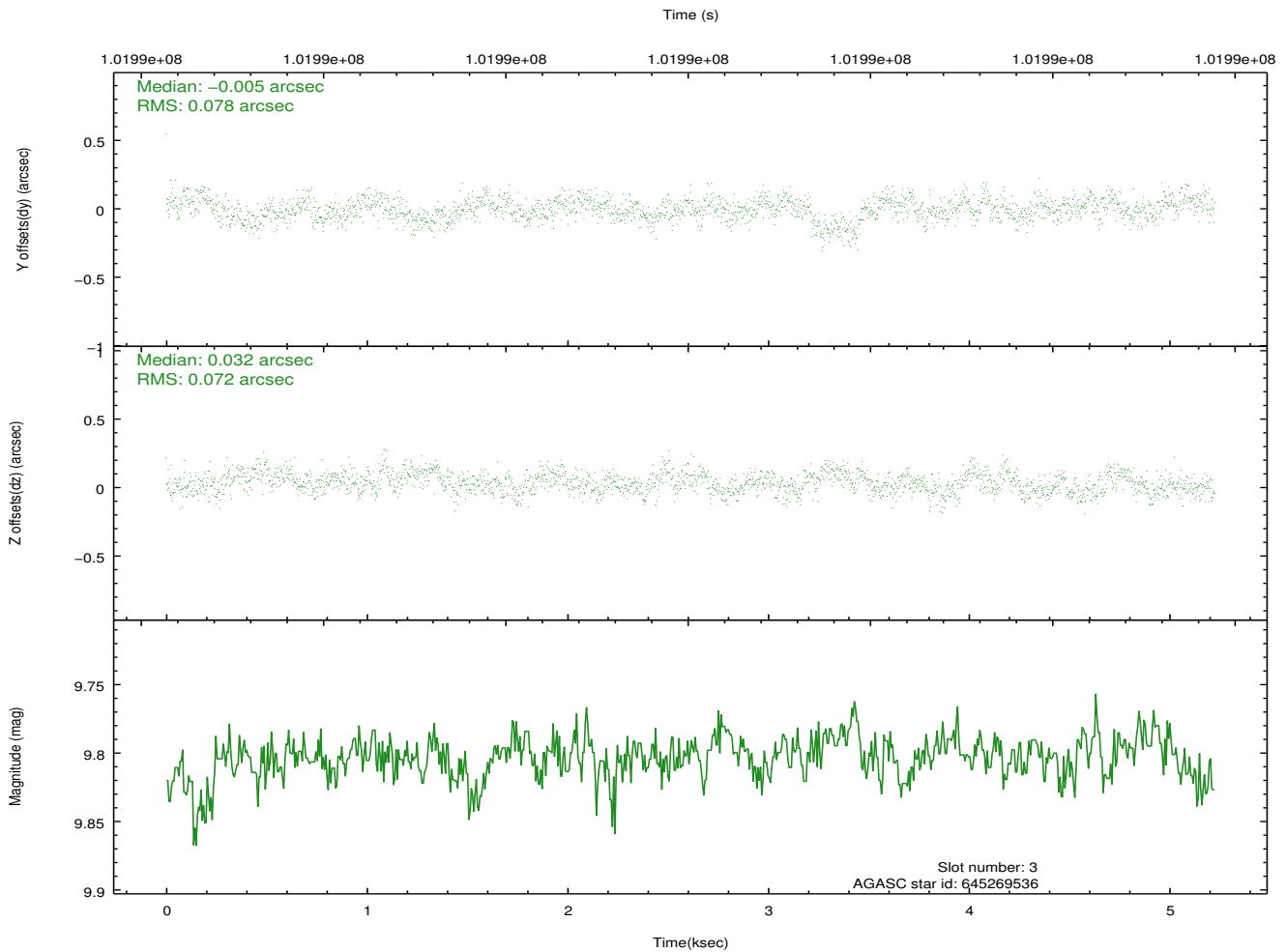
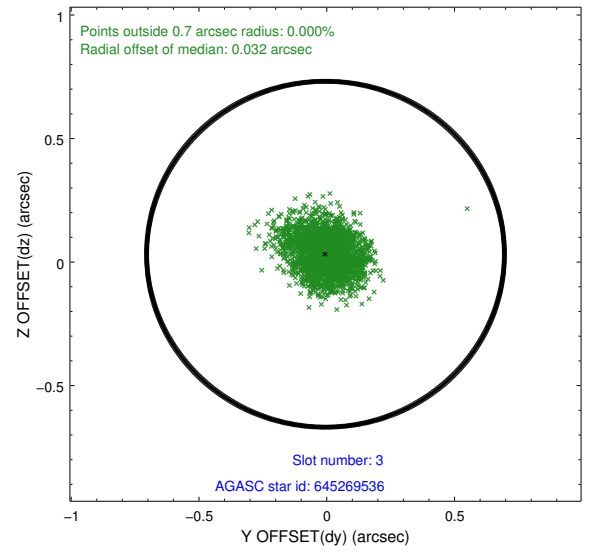
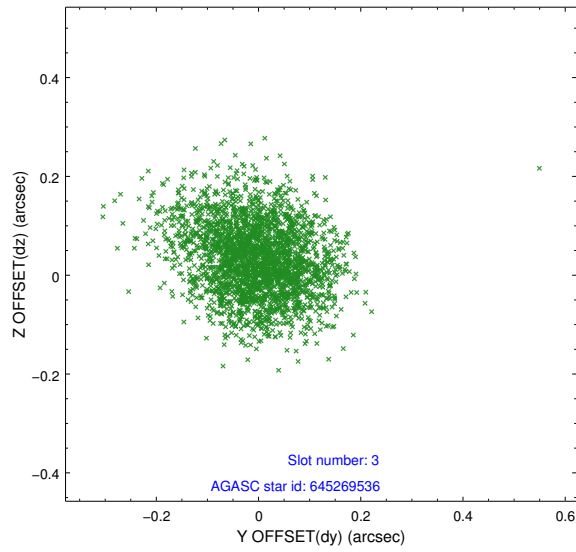


Slot Statistics

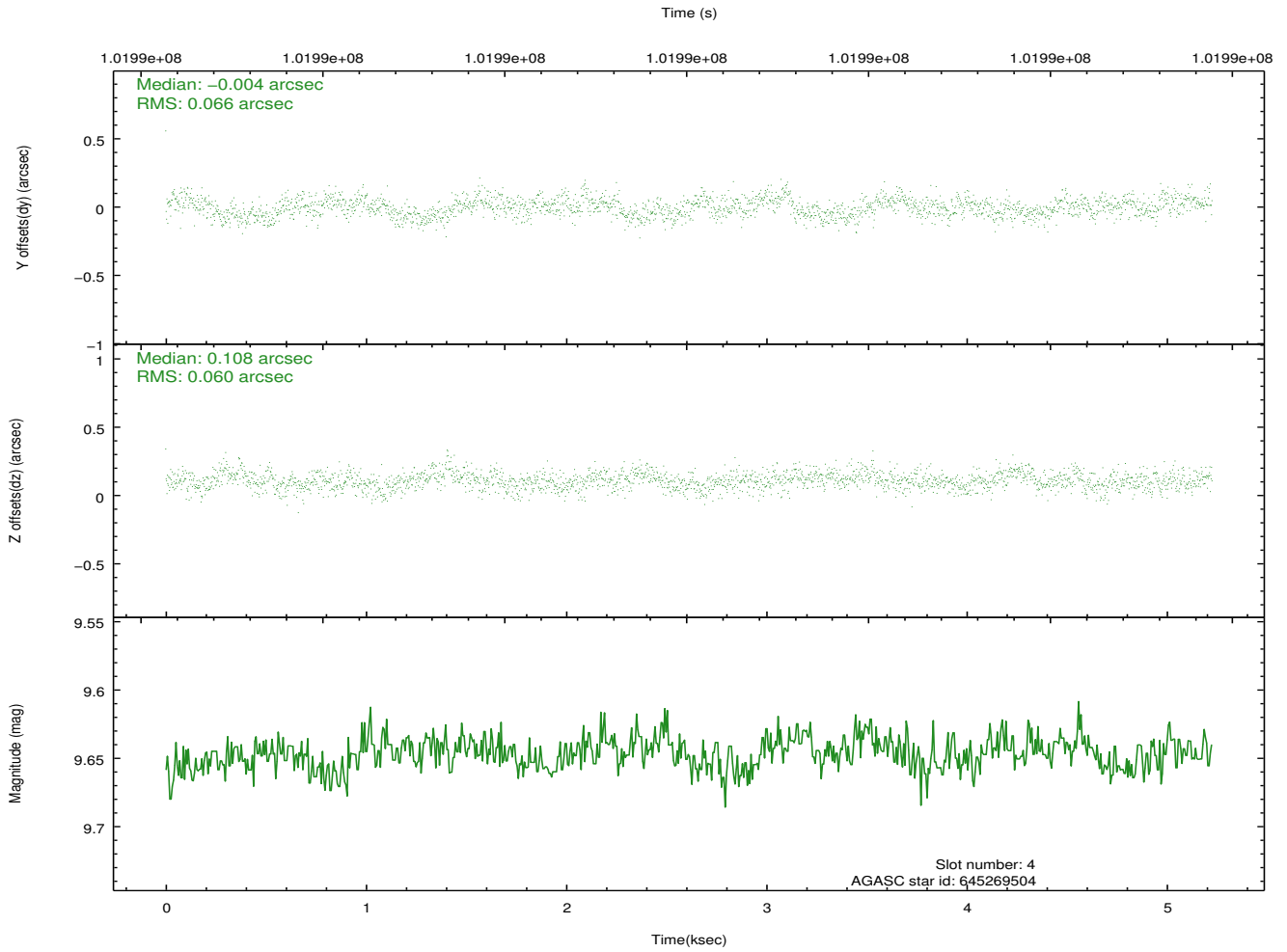
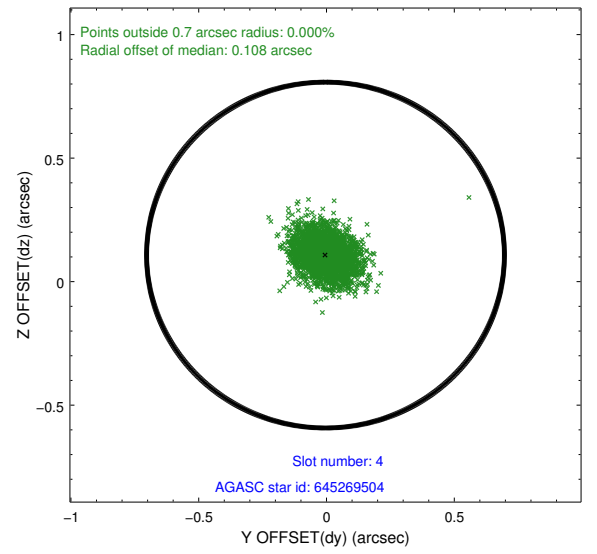
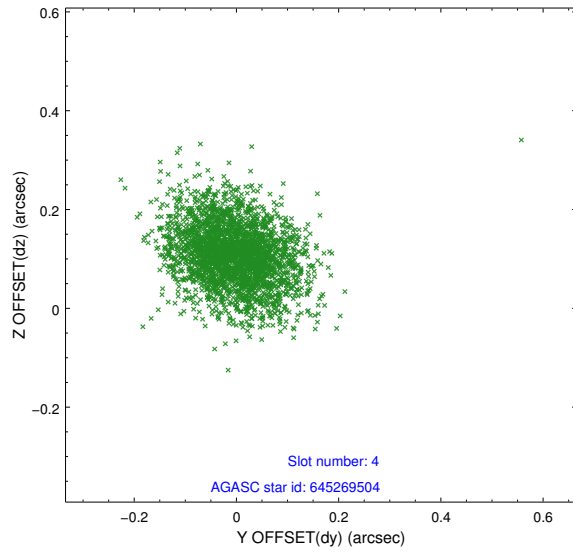
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1275	-0.026	0.005	0.007	0.011	0.000000	0.000000	-755.65	-1726.51
1	FID	ACIS-S-4	7.20	1275	-0.034	0.011	0.006	0.011	0.000000	0.000000	2157.06	180.86
2	FID	ACIS-S-5	7.24	1275	0.028	-0.007	0.006	0.011	0.000000	0.000000	-1806.99	175.74
3	GUIDE	645269536	9.80	2544	-0.005	0.032	0.112	0.182	172.133318	-2.052583	1527.38	-935.75
4	GUIDE	645269504	9.65	2547	-0.004	0.108	0.094	0.152	172.248737	-1.852553	740.97	-668.40
5	GUIDE	645268592	9.77	2548	0.112	-0.146	0.116	0.223	172.459455	-2.042920	1266.00	208.15
6	GUIDE	645269616	9.42	2548	-0.095	0.094	0.079	0.129	171.997004	-1.921440	1159.91	-1508.33
7	GUIDE	646185808	9.87	2543	0.001	-0.082	0.136	0.214	173.185662	-1.446512	-1346.71	2355.44

2.4 Star Slots

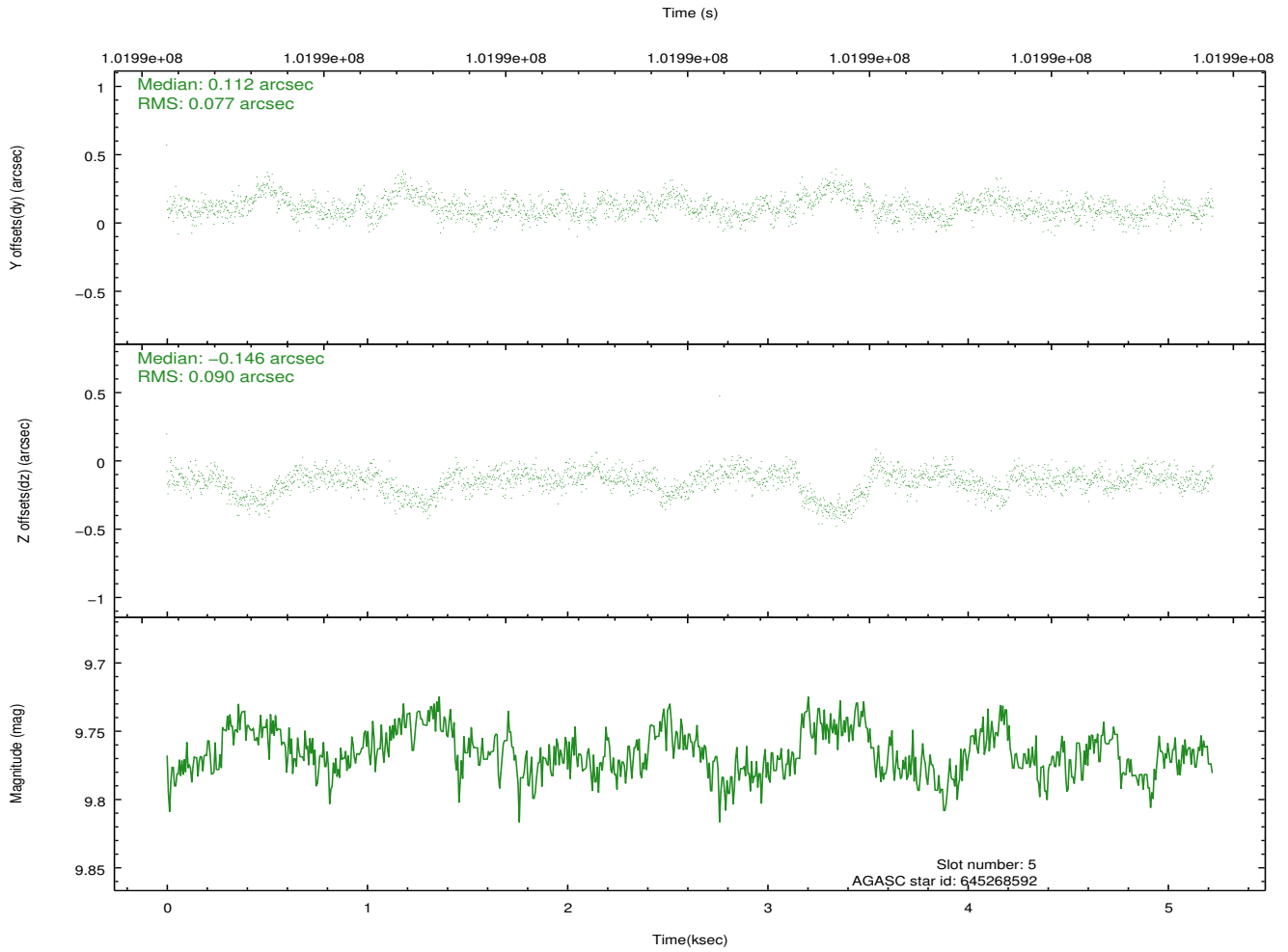
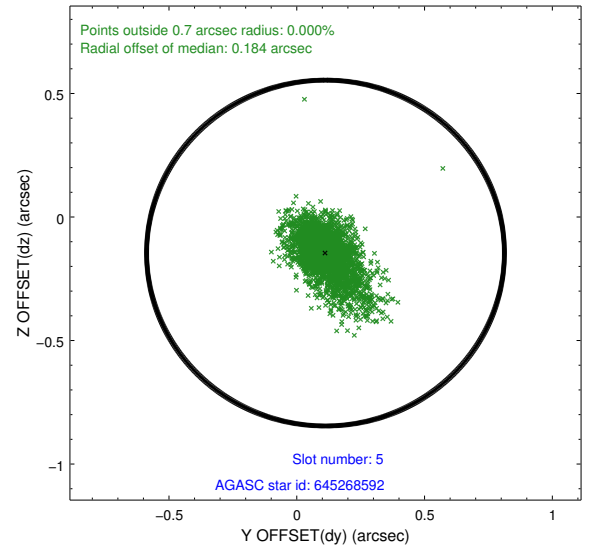
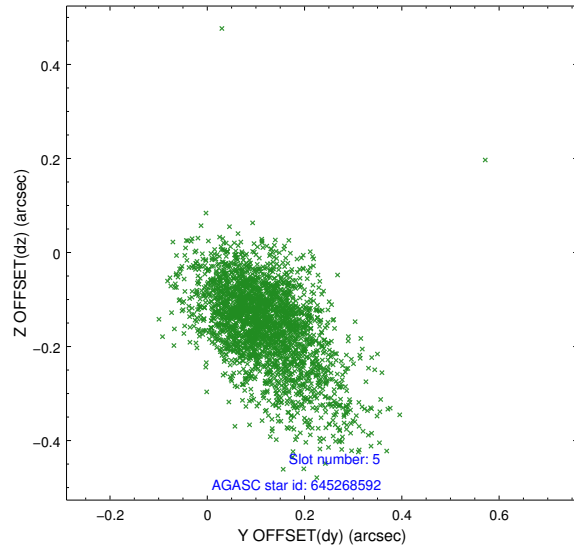
2.4.1 Slot 3



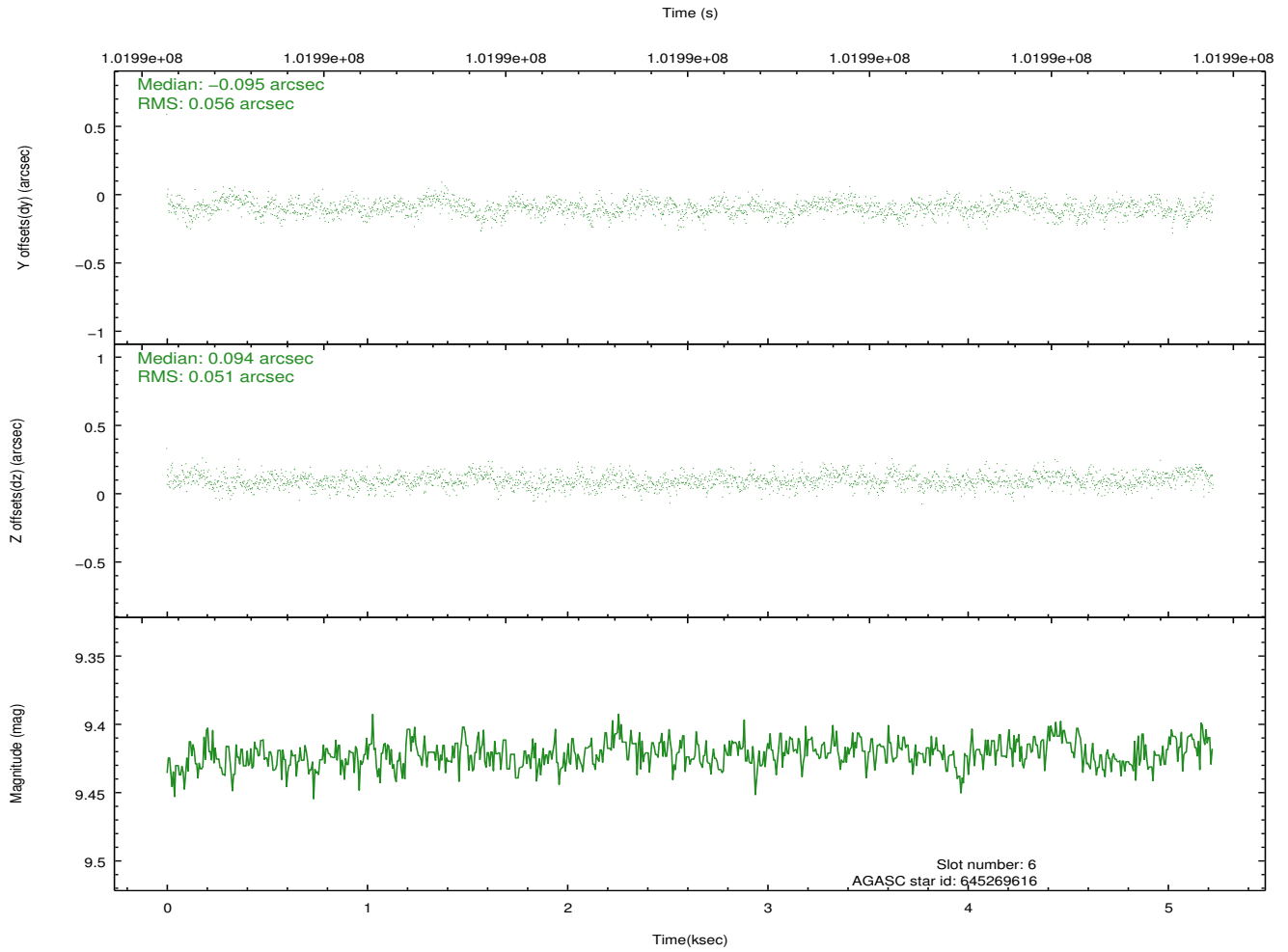
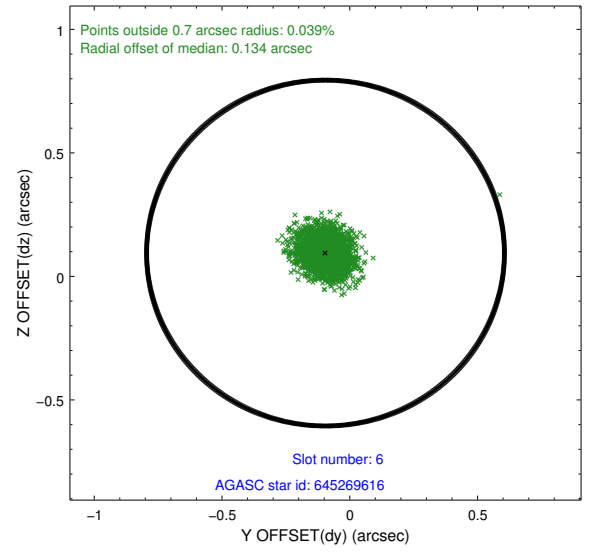
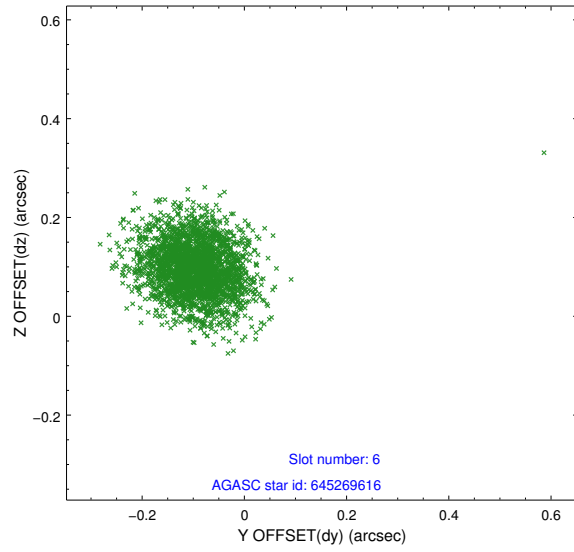
2.4.2 Slot 4



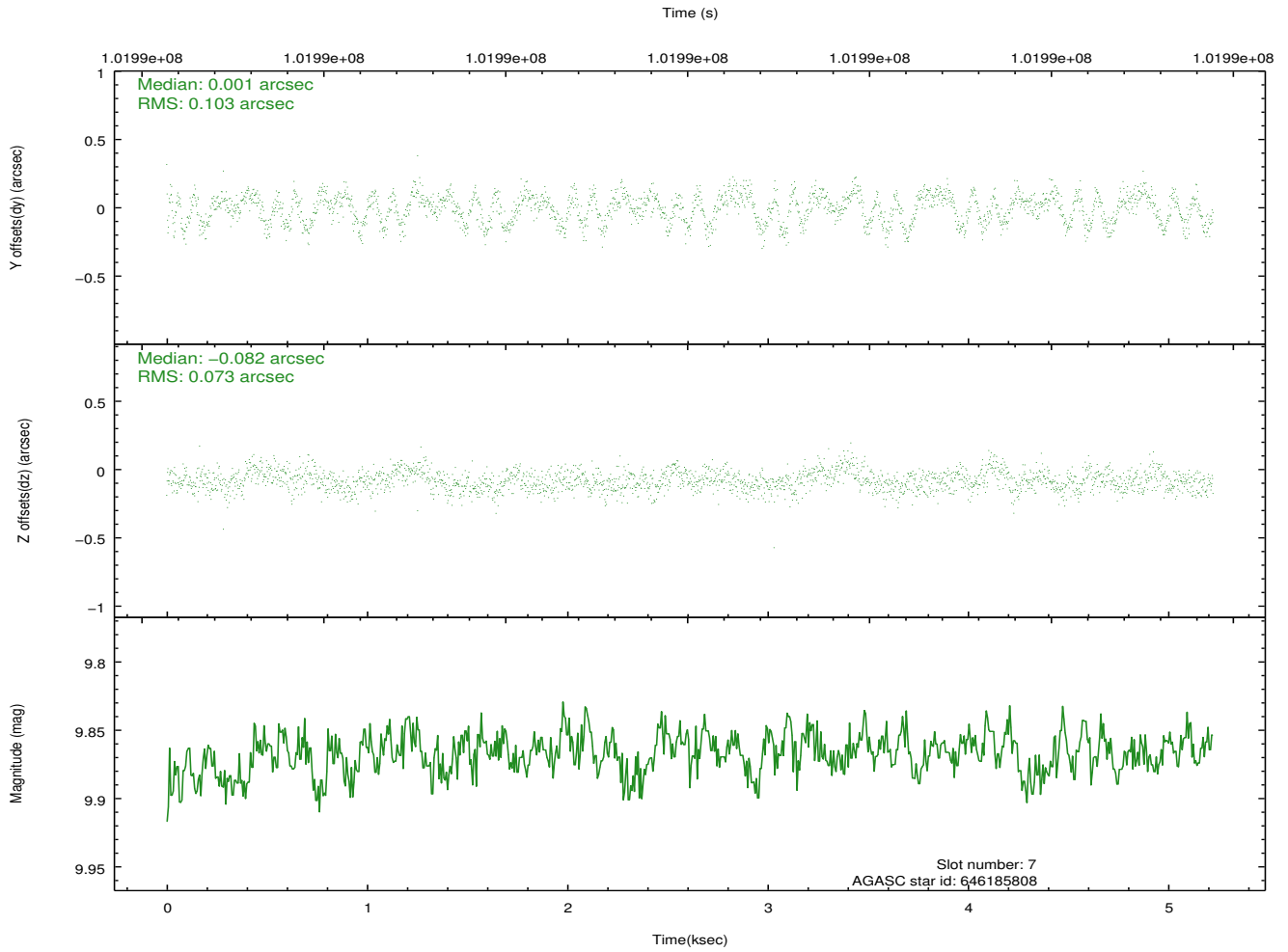
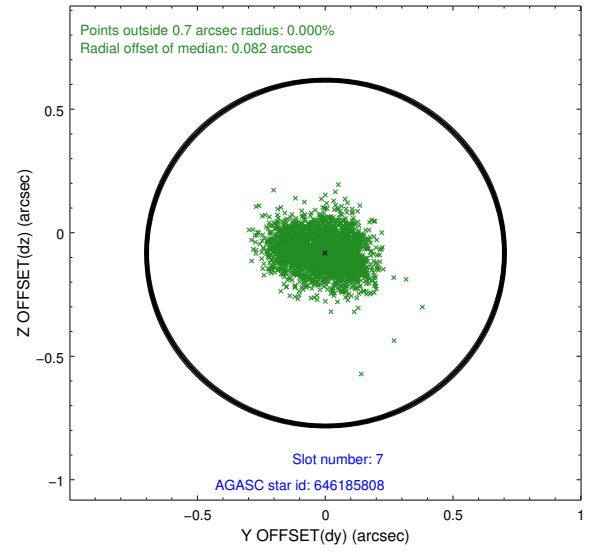
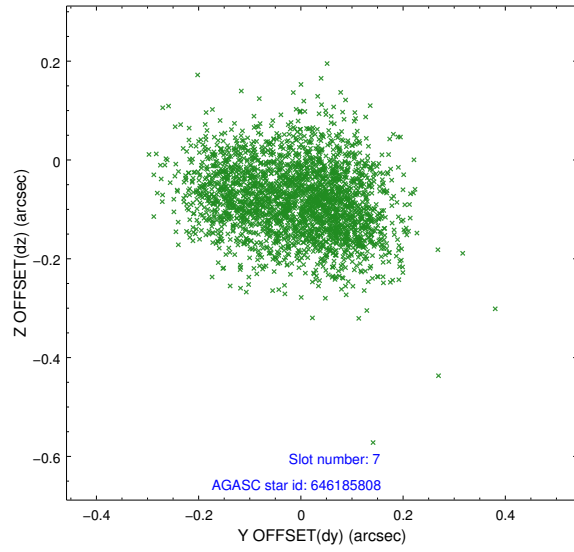
2.4.3 Slot 5



2.4.4 Slot 6

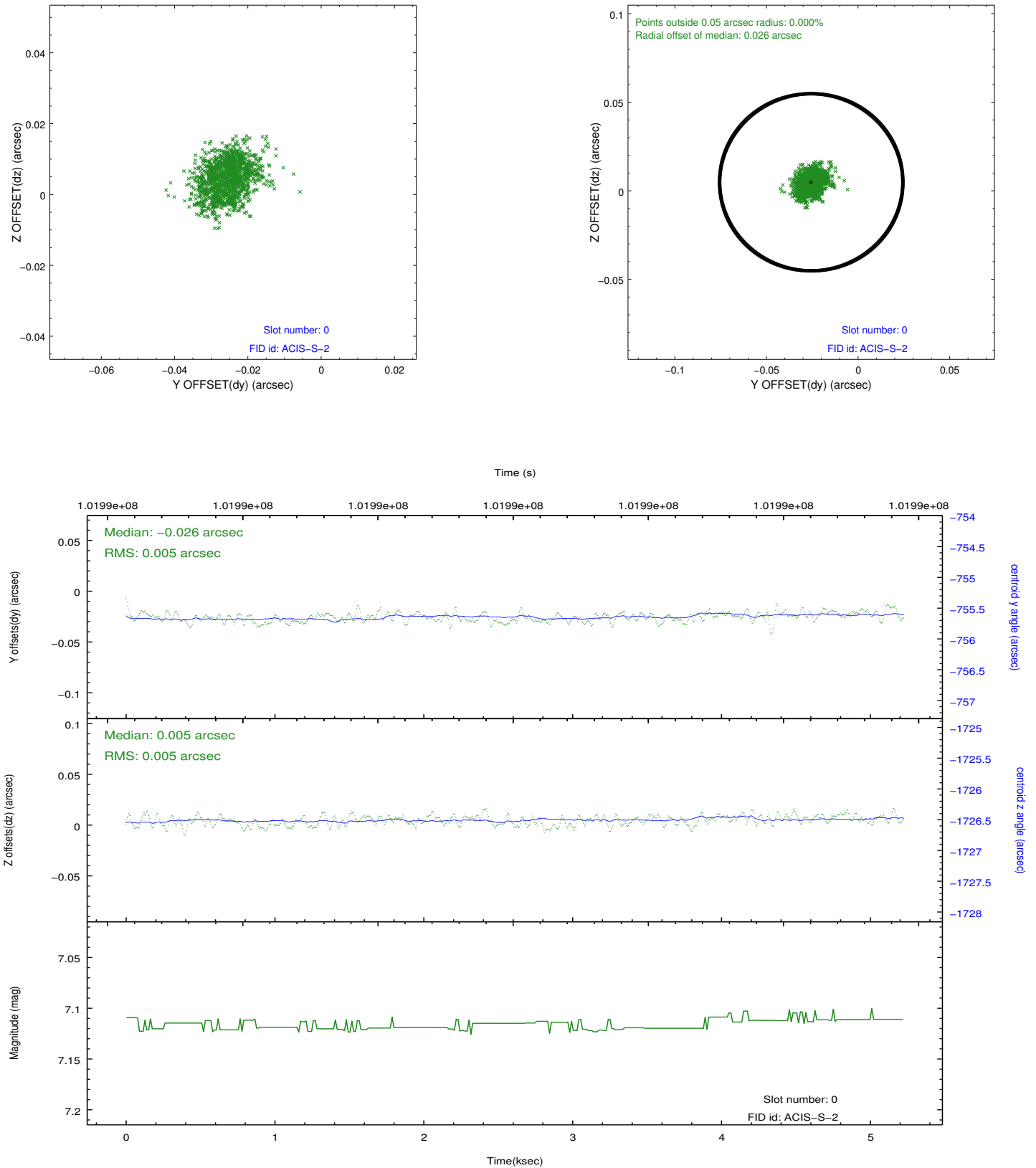


2.4.5 Slot 7

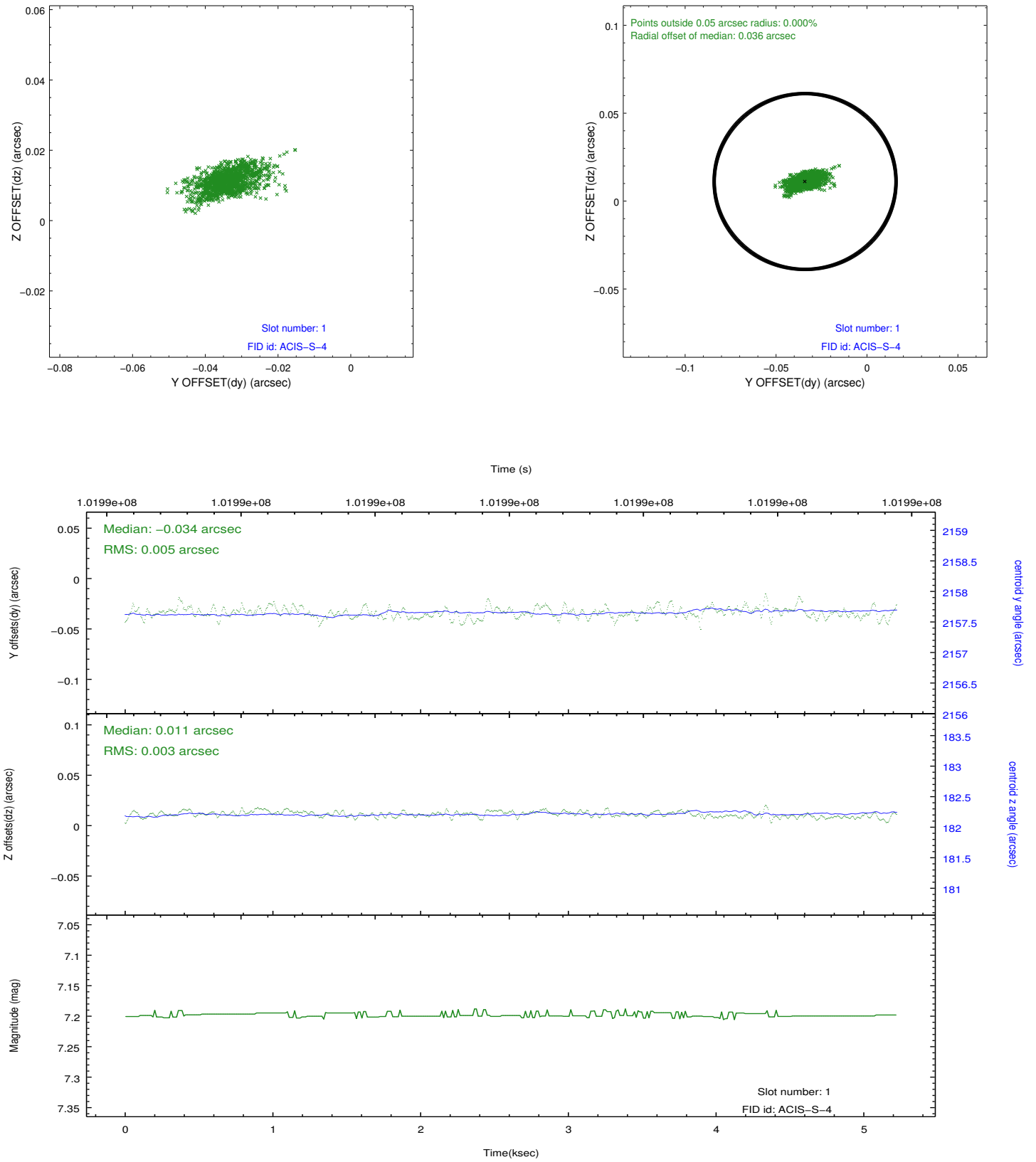


2.5 FID Slots

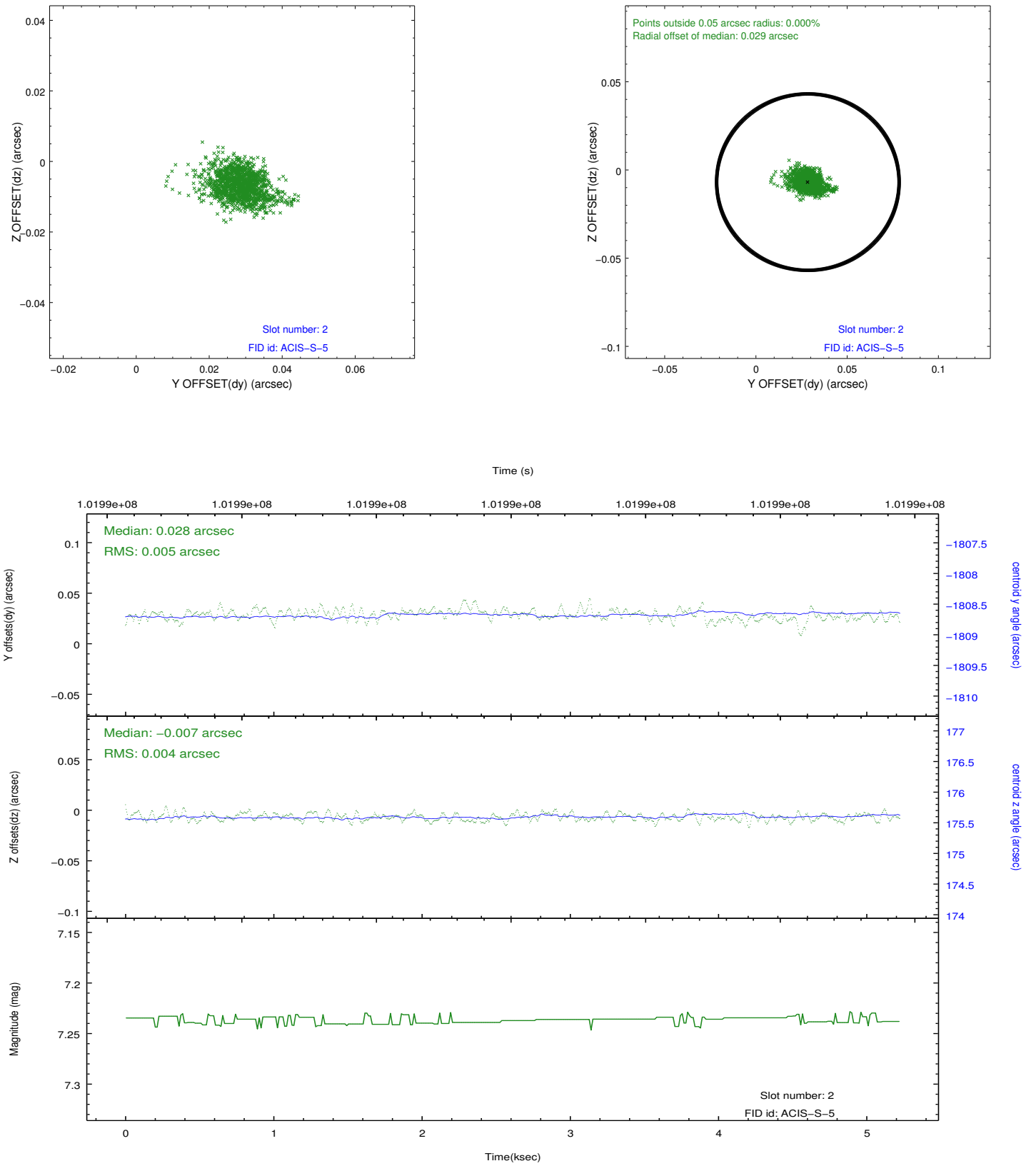
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9

A.2 Comments

Charge time for this observation remains at previous value of 4.9 ksec.