

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1007 - L2 Version 3
Chandra X-Ray Center

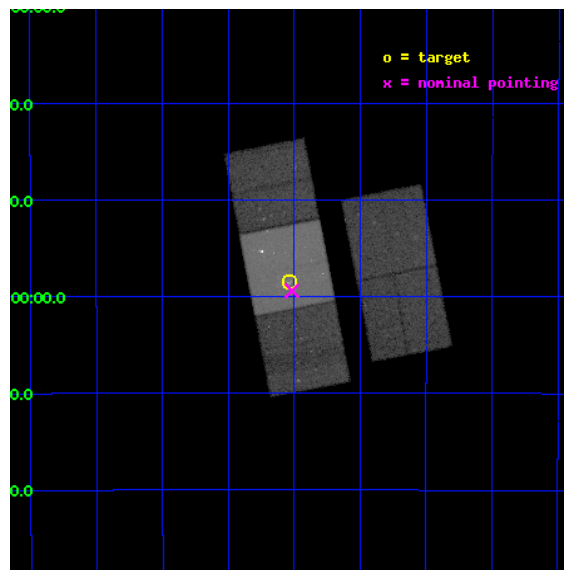
L2 Processing Date : Sep 25 2012

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

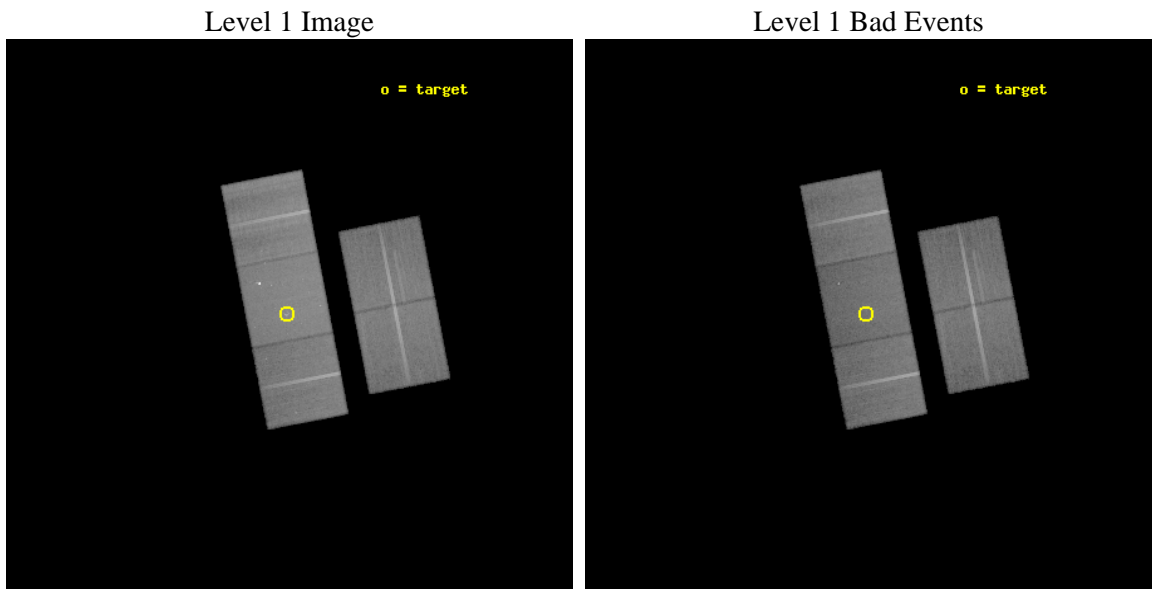
seq_num	300040	Sequence number
obs_id	1007	Observation id
title	CV AND QLMXB LUMINOSITY FUNCTION IN THE EXTREME GLOBULAR M80	Propo
observer	Dr. Stephen Murray	Principal investigator
object	NGC6093	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.259583	Observer's specified target RA [deg]
dec_targ	-22.975722	Observer's specified target Dec [deg]
ra_nom	244.25458203233	Nominal RA [deg]
dec_nom	-22.990355888743	Nominal Dec [deg]
roll_nom	259.05180742852	Nominal Roll [deg]
revision	3	Processing version of data
ontime	49227.595607698	Sum of GTIs [s]
livetime	48584.400830255	Livetime [s]
ontime2	49227.4314477	Sum of GTIs [s]
ontime3	49224.372537538	Sum of GTIs [s]
ontime6	49227.554567695	Sum of GTIs [s]
ontime7	49227.595607698	Sum of GTIs [s]
ontime8	49224.331527457	Sum of GTIs [s]
l2events	336806	Number of level 2 events



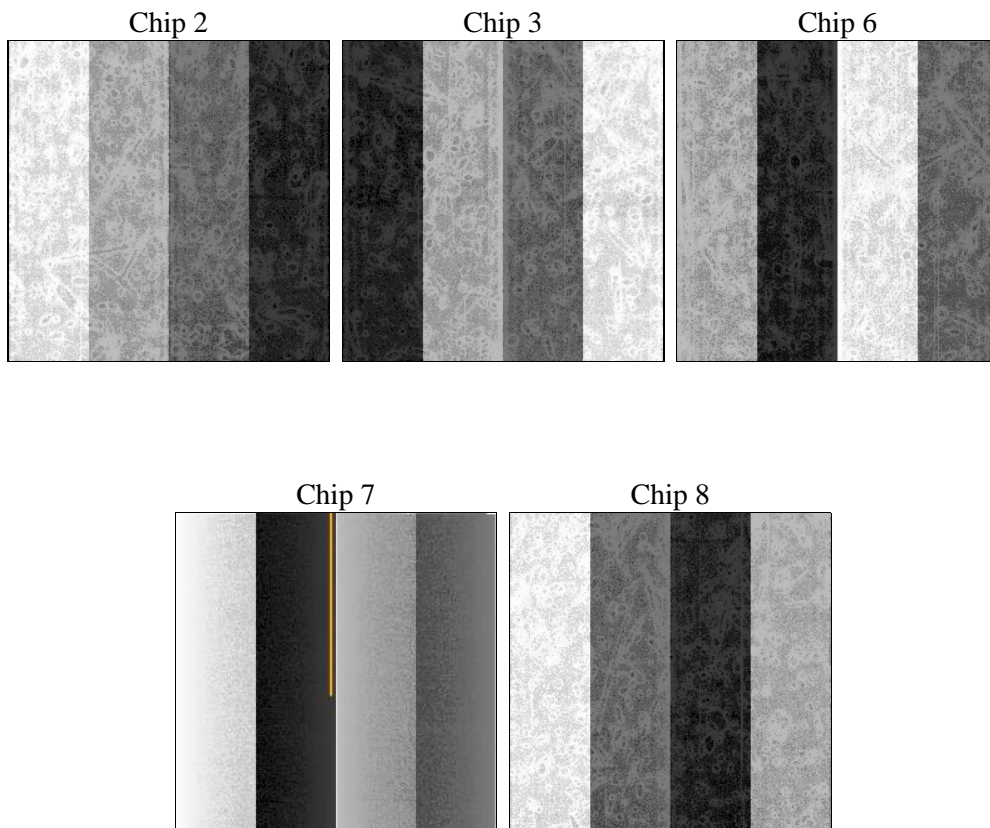
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	49168.736000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49227.595607698	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	49227.4314477	Sum of GTIs [s]
date	2012-09-25T05:36:46	Date and time of file creation	ontime3	49224.372537538	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	49227.554567695	Sum of GTIs [s]
			ontime7	49227.595607698	Sum of GTIs [s]
			ontime8	49224.331527457	Sum of GTIs [s]
			l1events	1776293	Number of level 1 events

2.1.4 Events

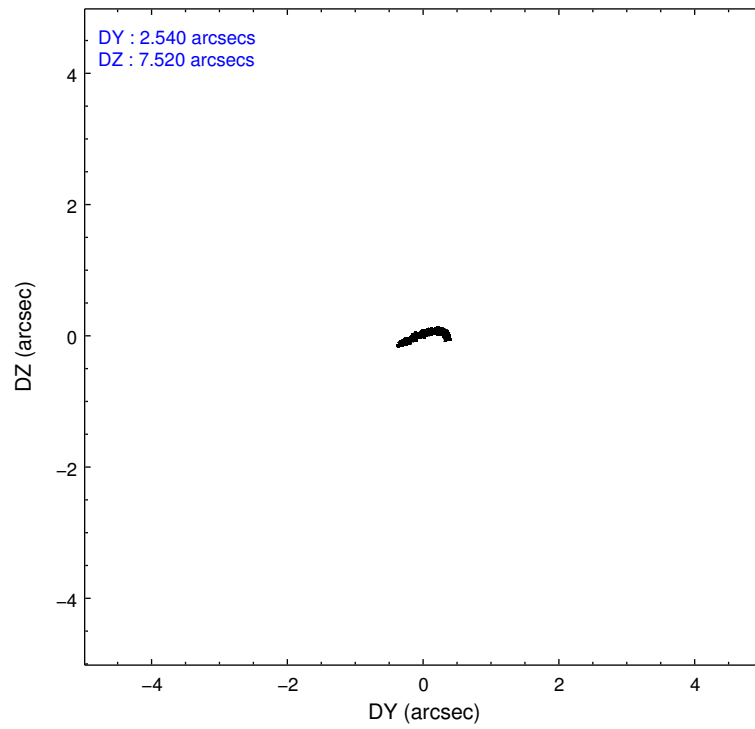
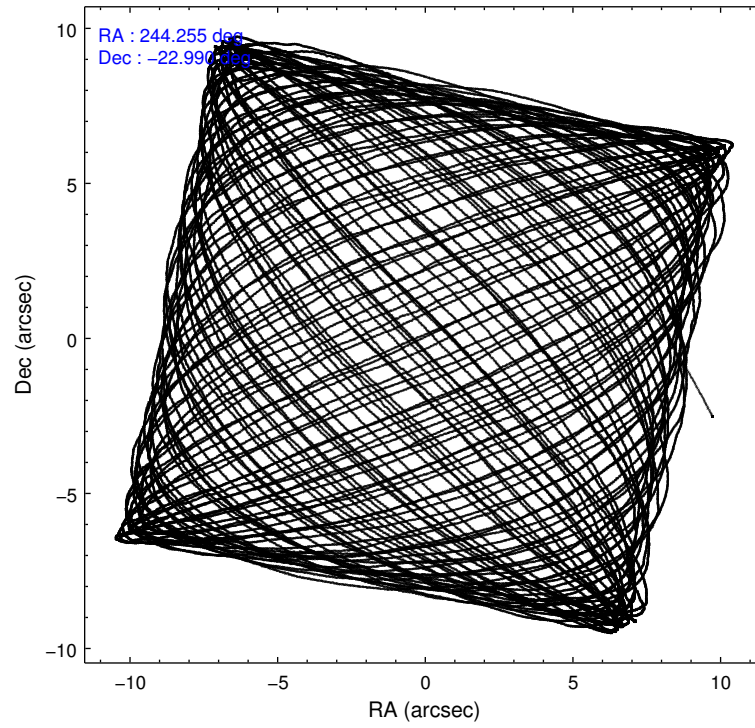
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	306379	303198	320143	425835	420738
rejected events	266412	264507	278596	226146	310329
rejected %	86%	87%	87%	53%	73%

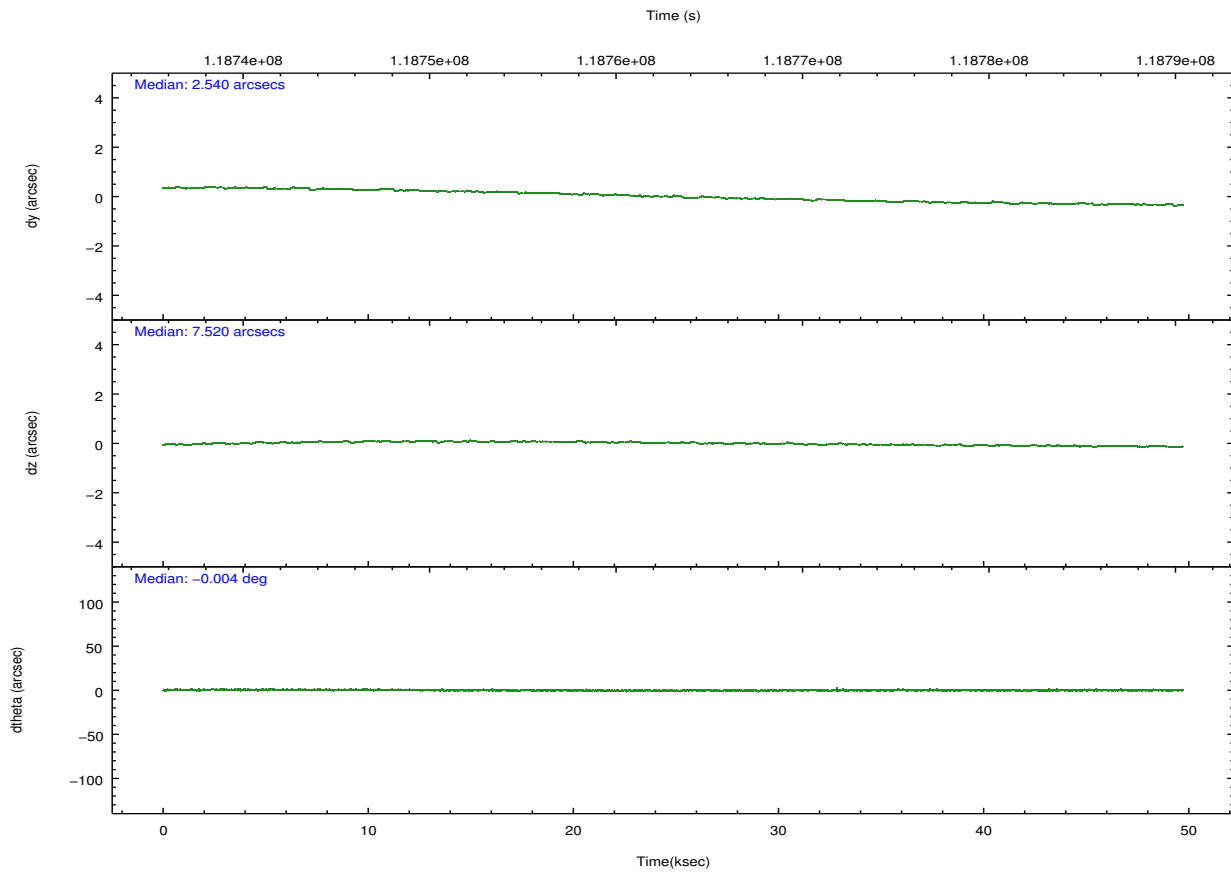
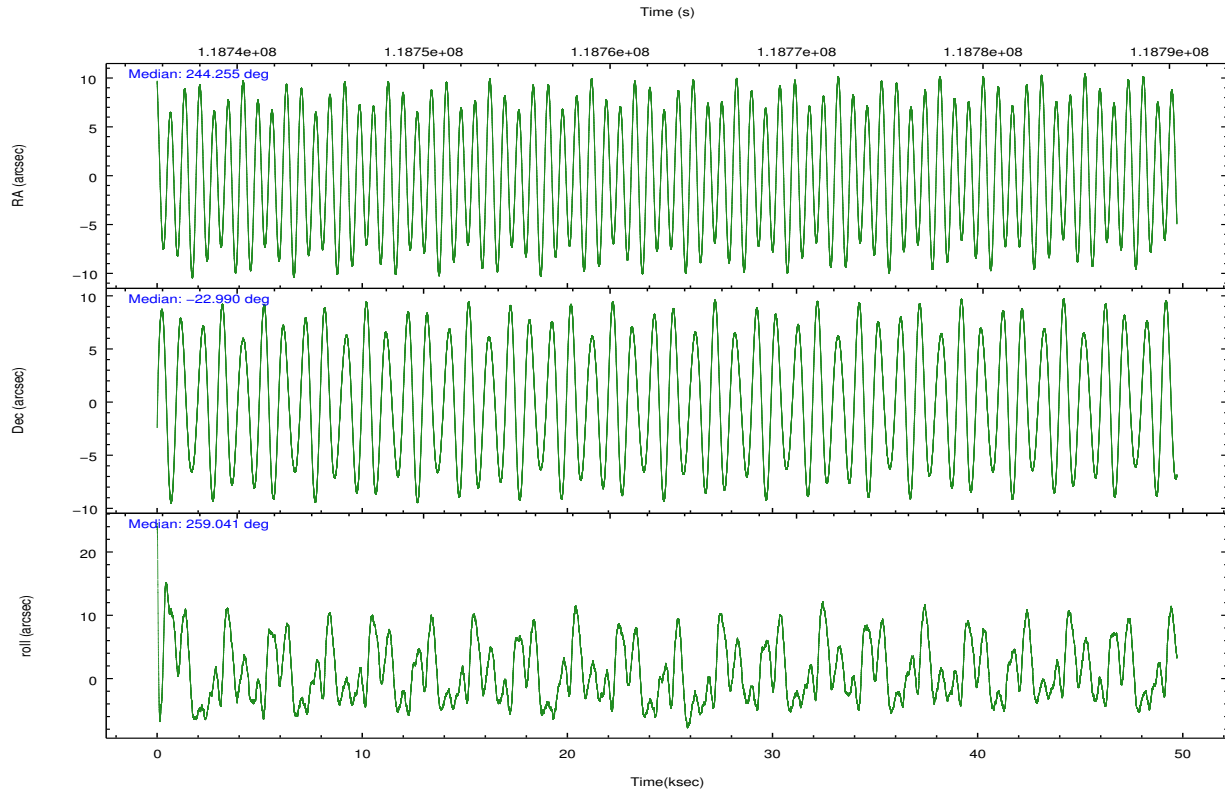
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	18312	17243	18449	25236	35374
	5%	5%	5%	5%	8%
grade 1 events	142	120	173	532	274
	0%	0%	0%	0%	0%
grade 2 events	8526	7910	8470	40769	21481
	2%	2%	2%	9%	5%
grade 3 events	3296	3444	3552	18848	13331
	1%	1%	1%	4%	3%
grade 4 events	3381	3351	3622	18679	12303
	1%	1%	1%	4%	2%
grade 5 events	9814	11447	12938	36958	16743
	3%	3%	4%	8%	3%
grade 6 events	6454	6743	7459	96169	27940
	2%	2%	2%	22%	6%
grade 7 events	256454	252940	265480	188644	293292
	83%	83%	82%	44%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	244.244594	244.2545820323315	Subarray requested	NONE	NONE
[deg] Pointing Dec	-22.964698	-22.99035588874324	Alternating exposures requested	N	N
[deg] Pointing Roll	258.891276	259.0518074285244	[s] Primary exposure time	0.000000	3.1
[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)	118738746.184000	118737608.8503			
Observation start date	2001-10-06T06:58:02	2001-10-06T06:40:08			
[s] Observation end time (MET)	118787915.184000	118788229.50231			
Observation end date	2001-10-06T20:37:31	2001-10-06T20:43:49			
Read mode	TIMED	TIMED			

2.3 Aspect



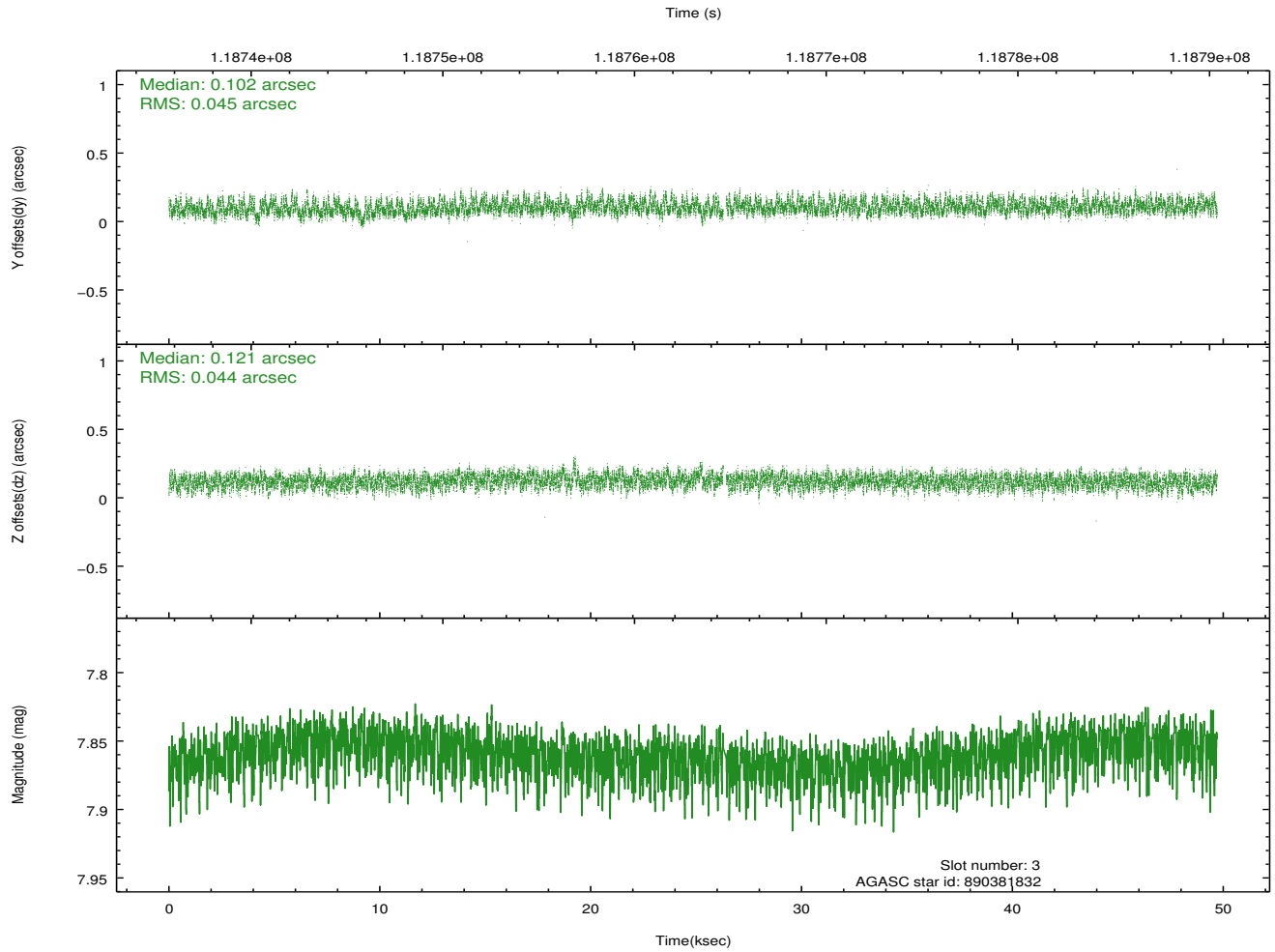
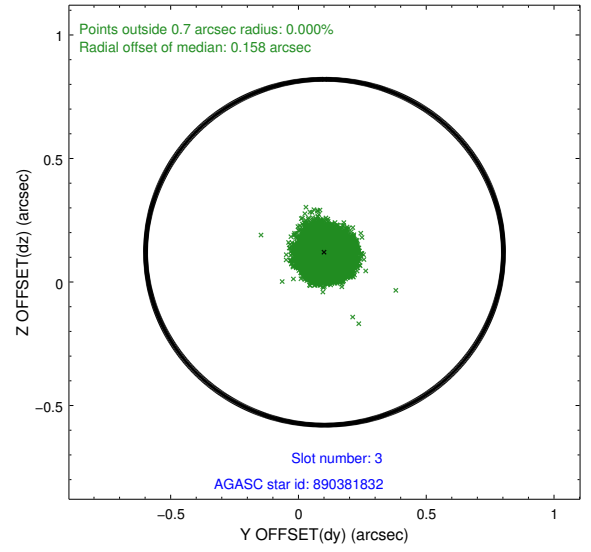
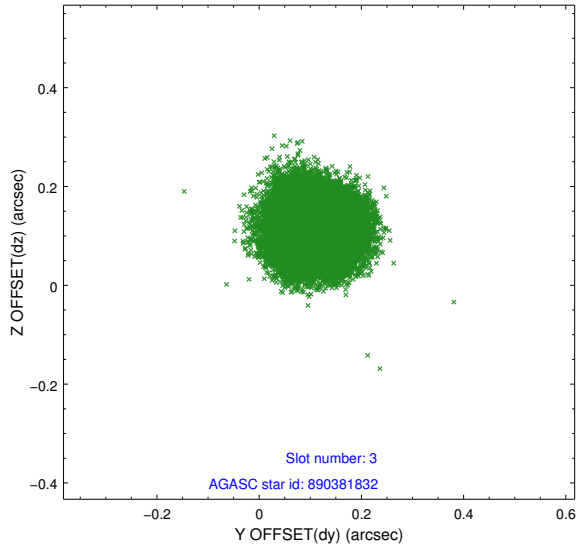


Slot Statistics

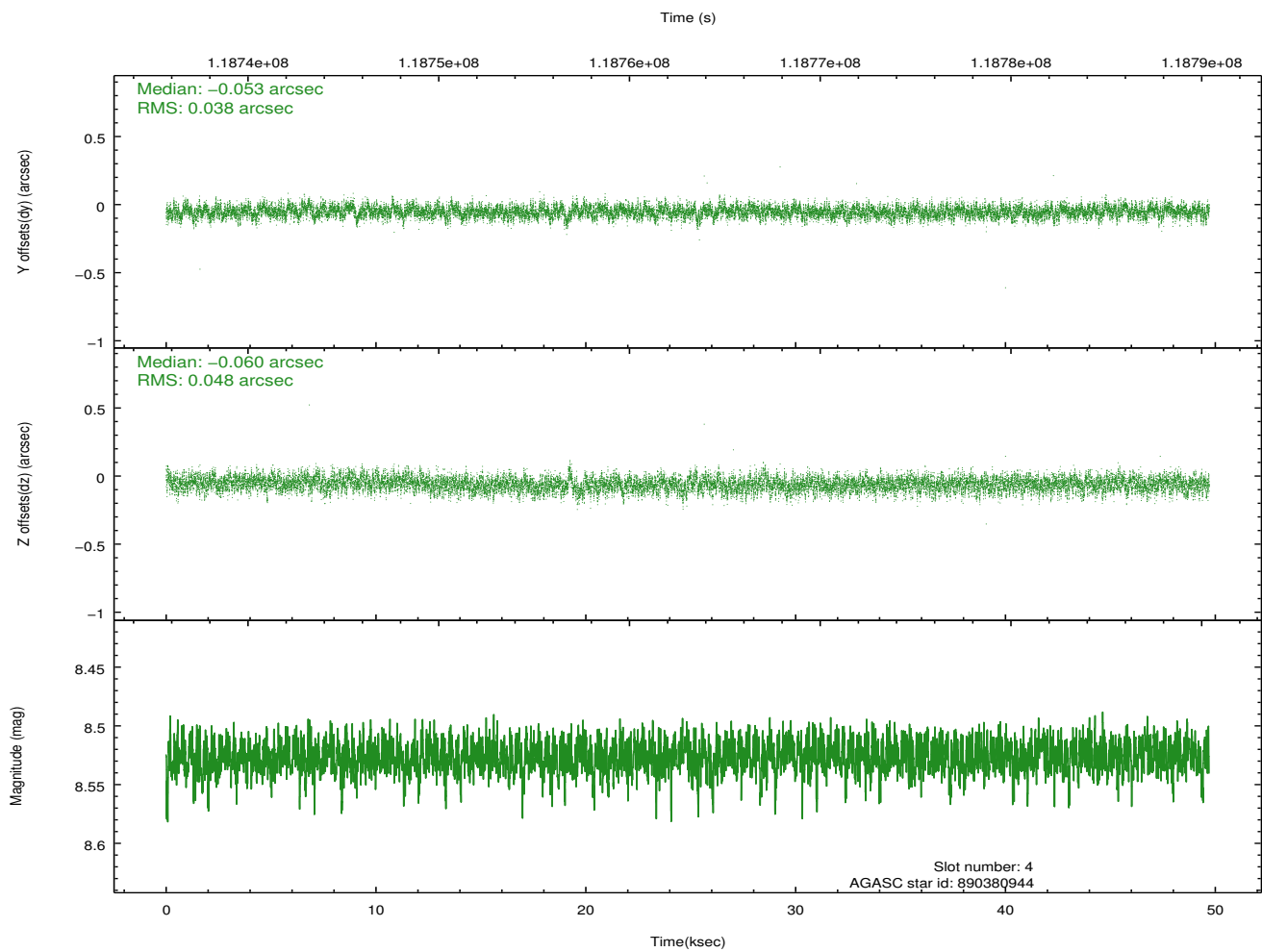
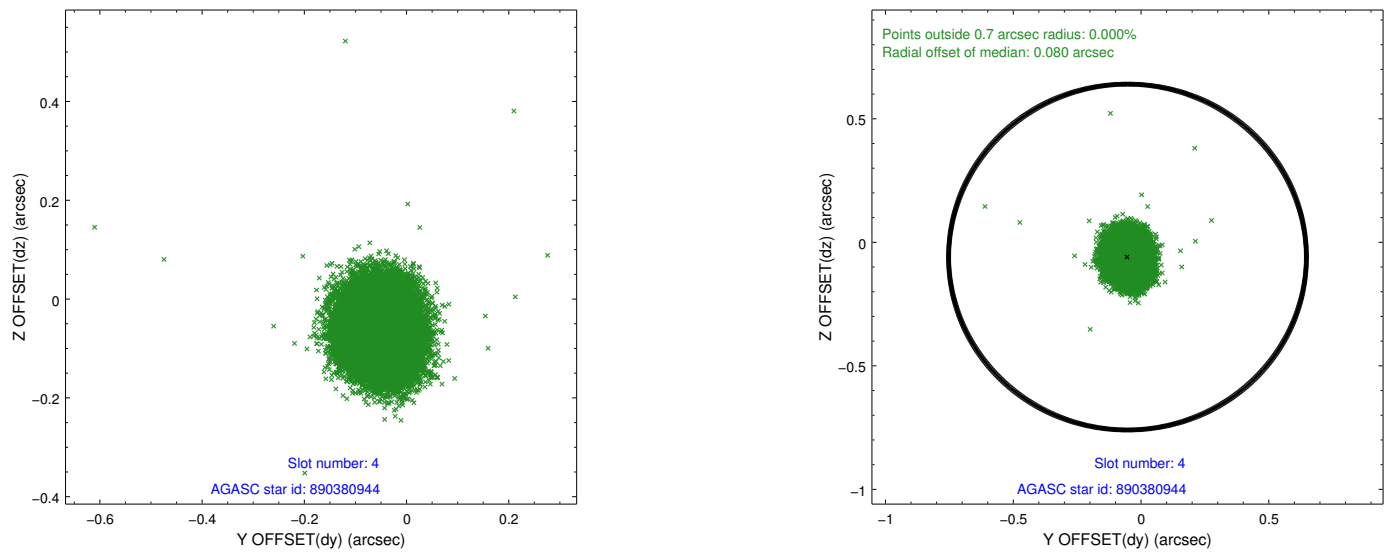
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12124	0.004	0.006	0.011	0.024	0.000000	0.000000	-755.17	-1728.63
1	FID	ACIS-S-4	7.20	12124	-0.020	-0.008	0.010	0.018	0.000000	0.000000	2158.08	179.86
2	FID	ACIS-S-6	7.35	12124	-0.013	0.007	0.009	0.015	0.000000	0.000000	406.76	817.24
3	GUIDE	890381832	7.86	24177	0.102	0.121	0.068	0.105	244.617736	-23.274302	858.50	1426.44
4	GUIDE	890380944	8.53	24242	-0.053	-0.060	0.065	0.105	243.587117	-22.682885	-568.47	-2337.32
5	GUIDE	814500752	8.68	24245	-0.135	-0.120	0.079	0.126	244.420772	-22.494682	-1771.99	248.79
6	GUIDE	890376768	9.41	24229	0.083	-0.039	0.090	0.152	243.651467	-23.215068	1267.92	-1750.74
7	GUIDE	890505176	10.24	24157	0.002	0.101	0.156	0.259	245.032648	-22.518938	-2072.05	2263.72

2.4 Star Slots

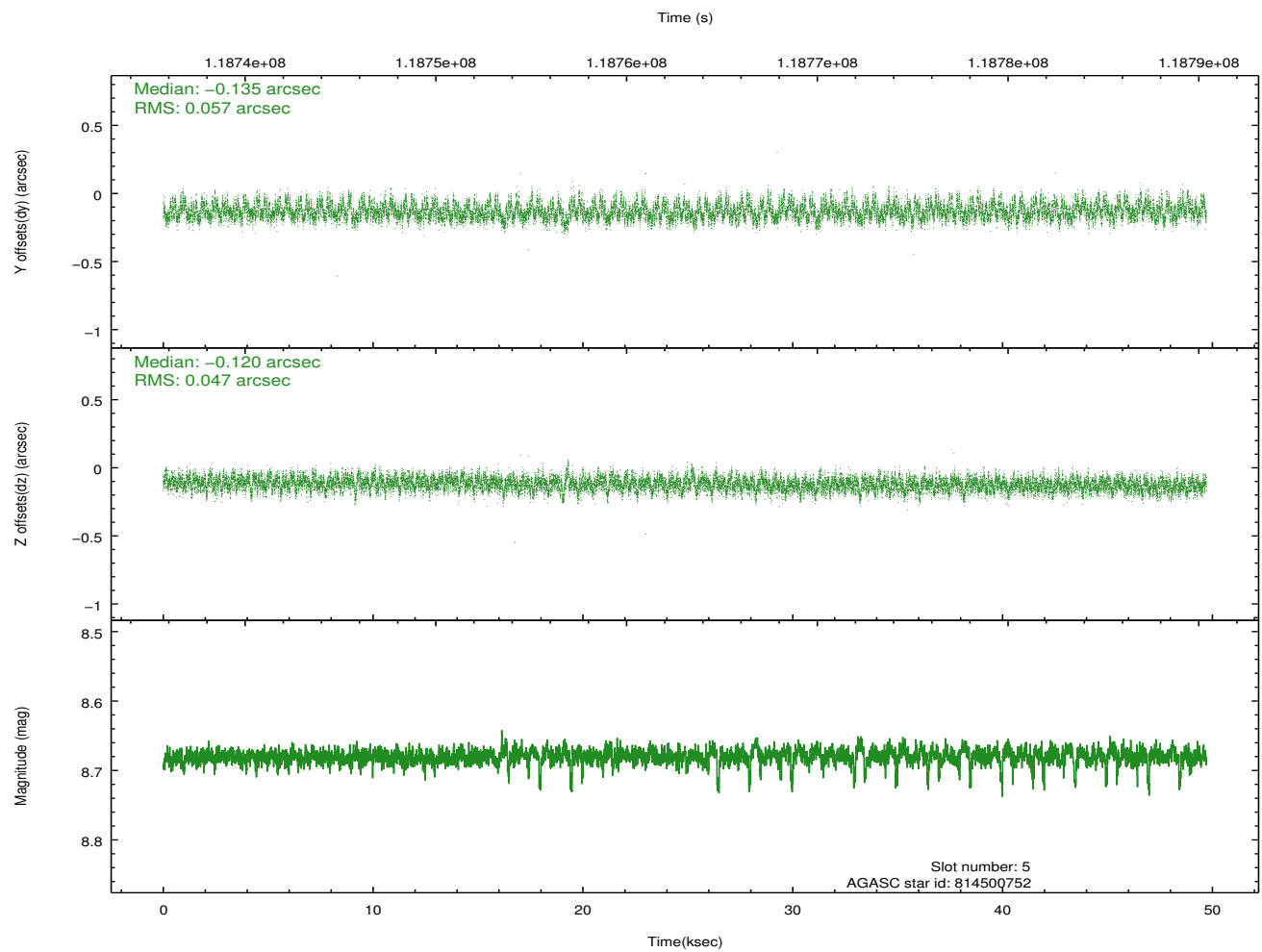
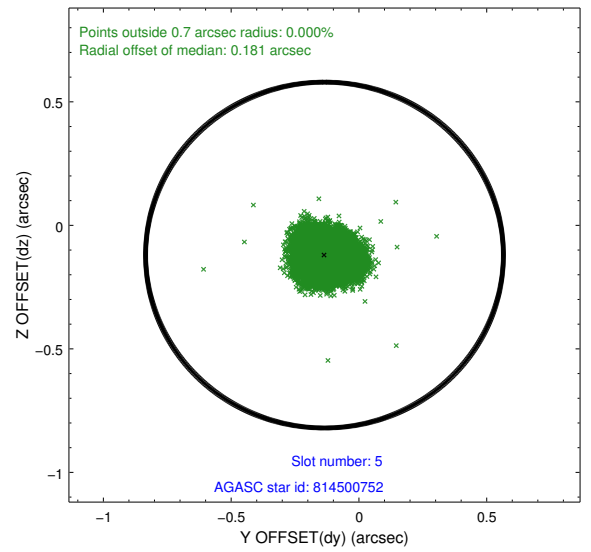
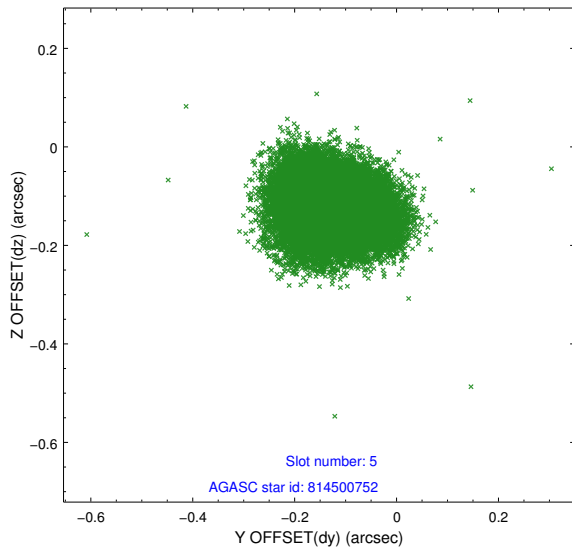
2.4.1 Slot 3



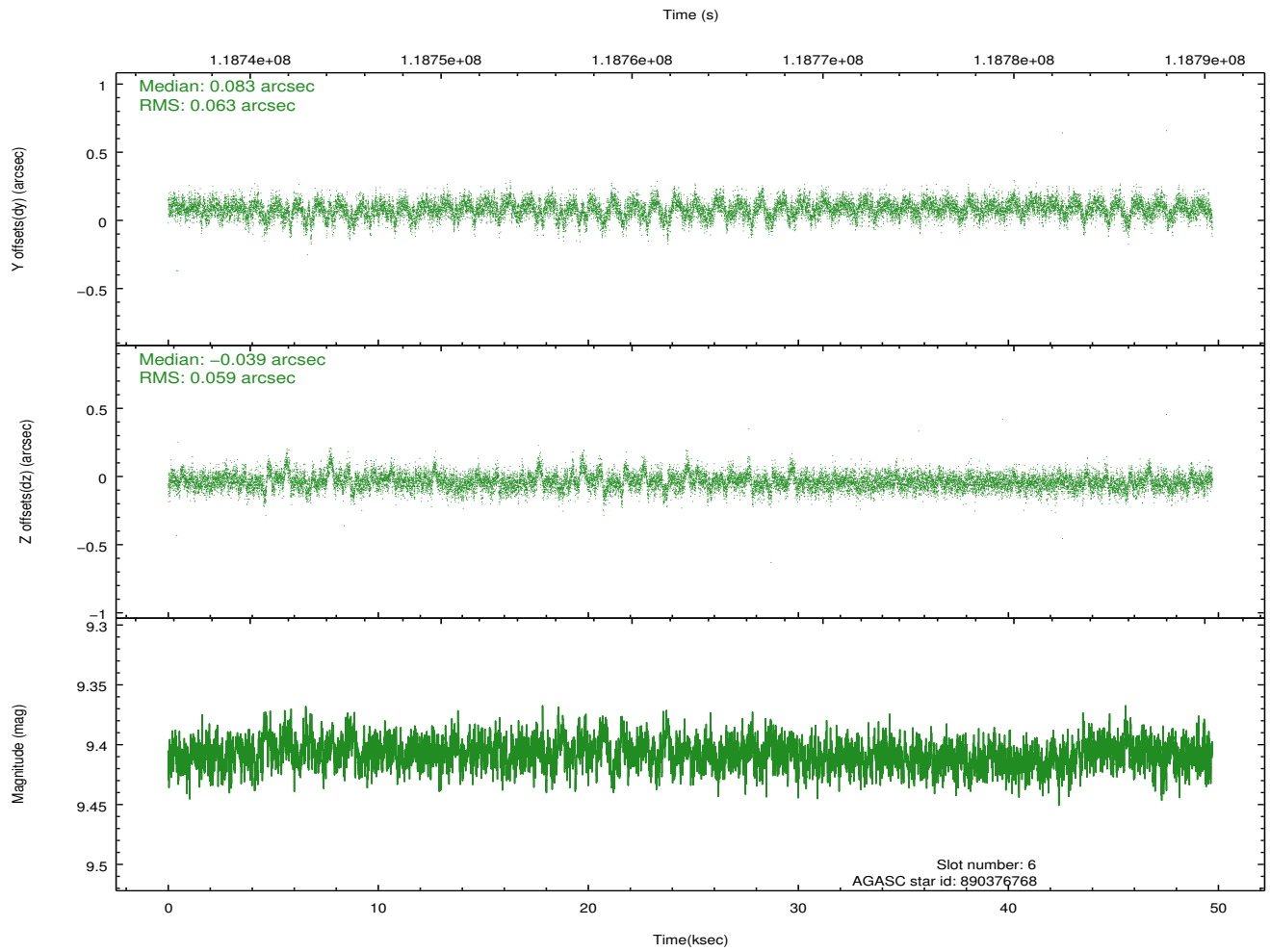
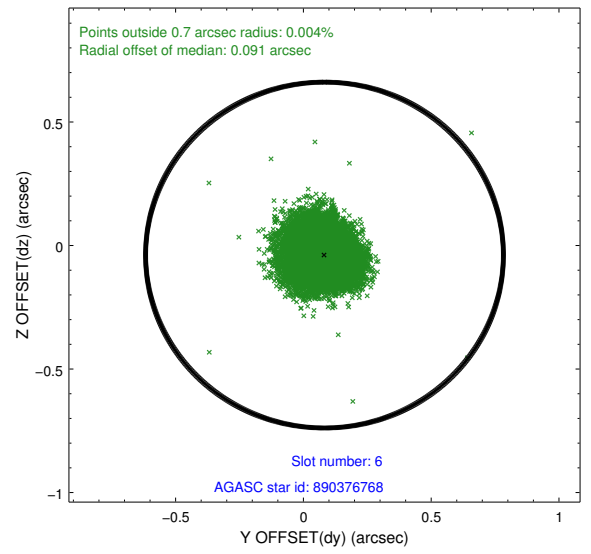
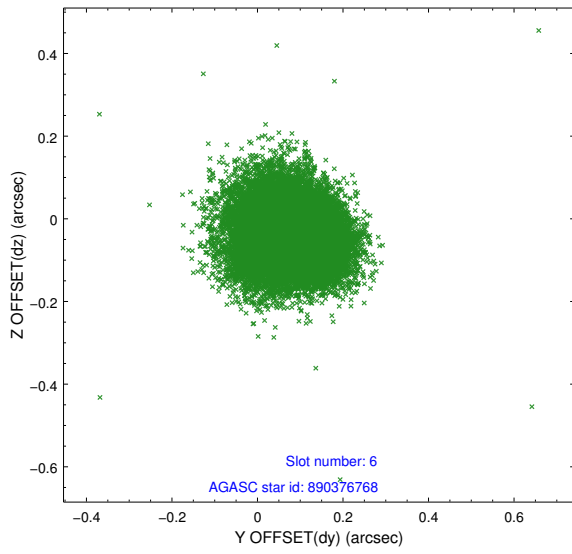
2.4.2 Slot 4



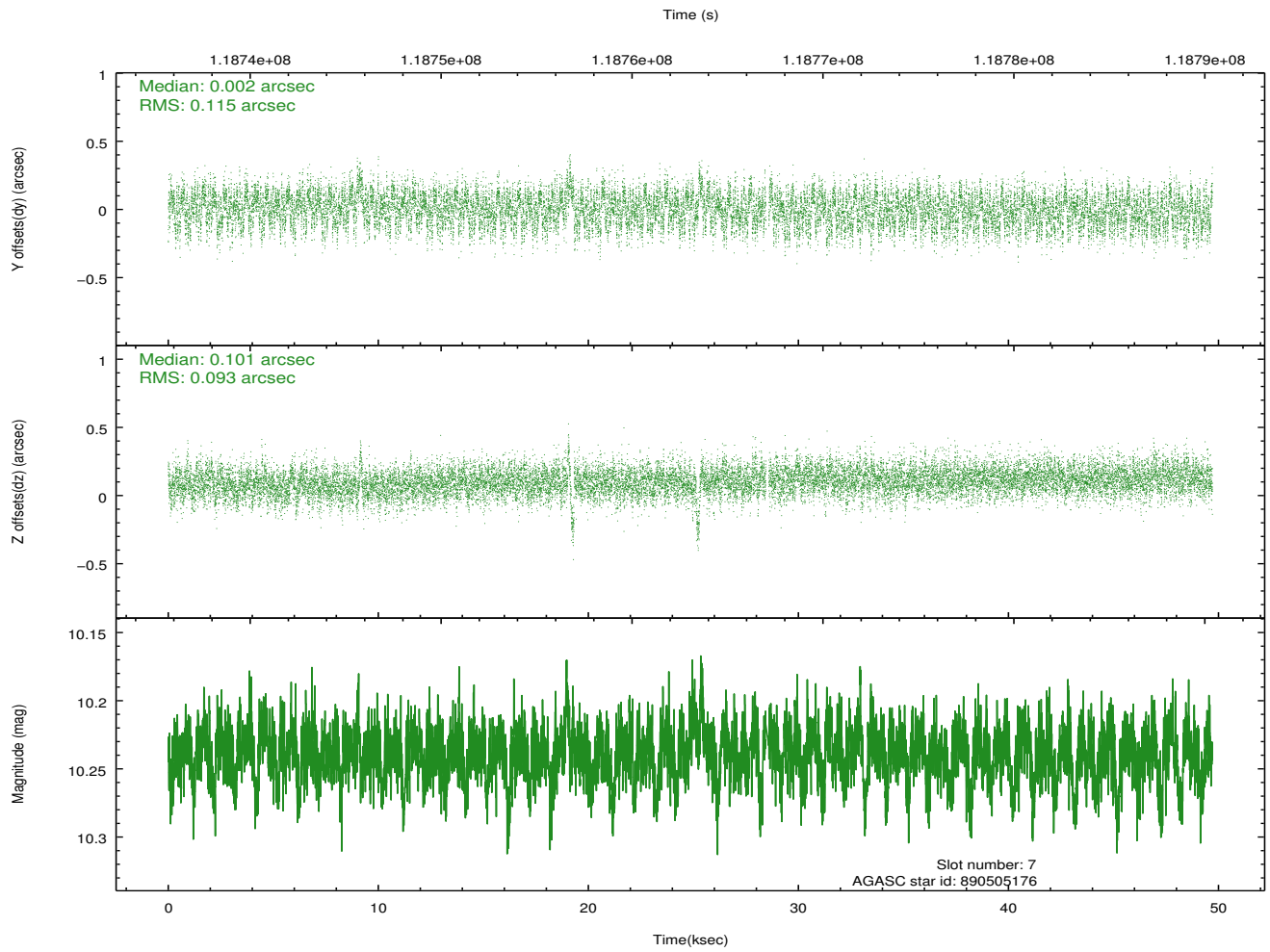
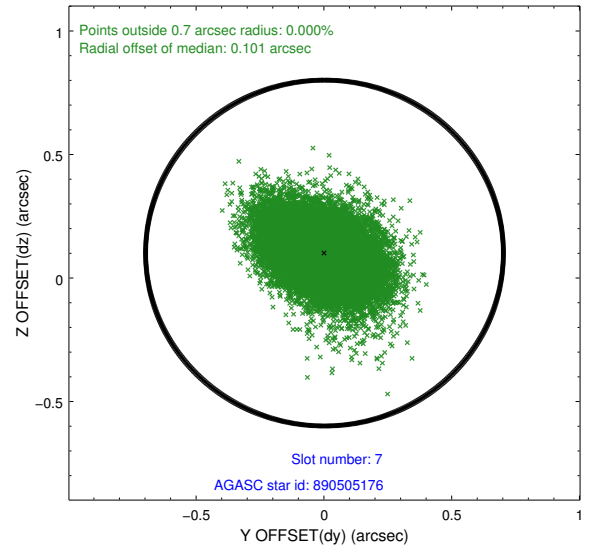
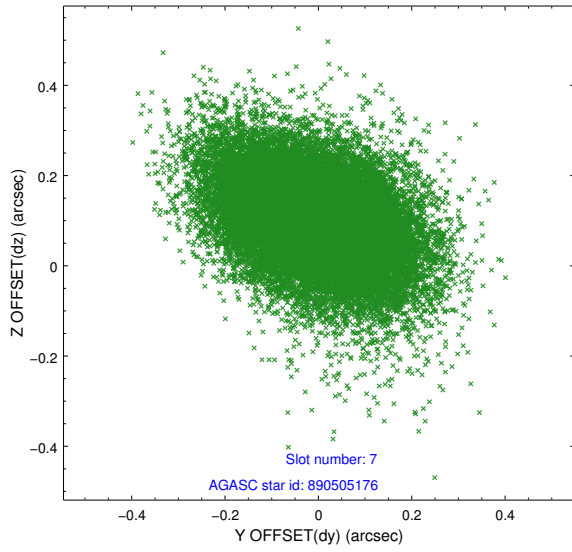
2.4.3 Slot 5



2.4.4 Slot 6

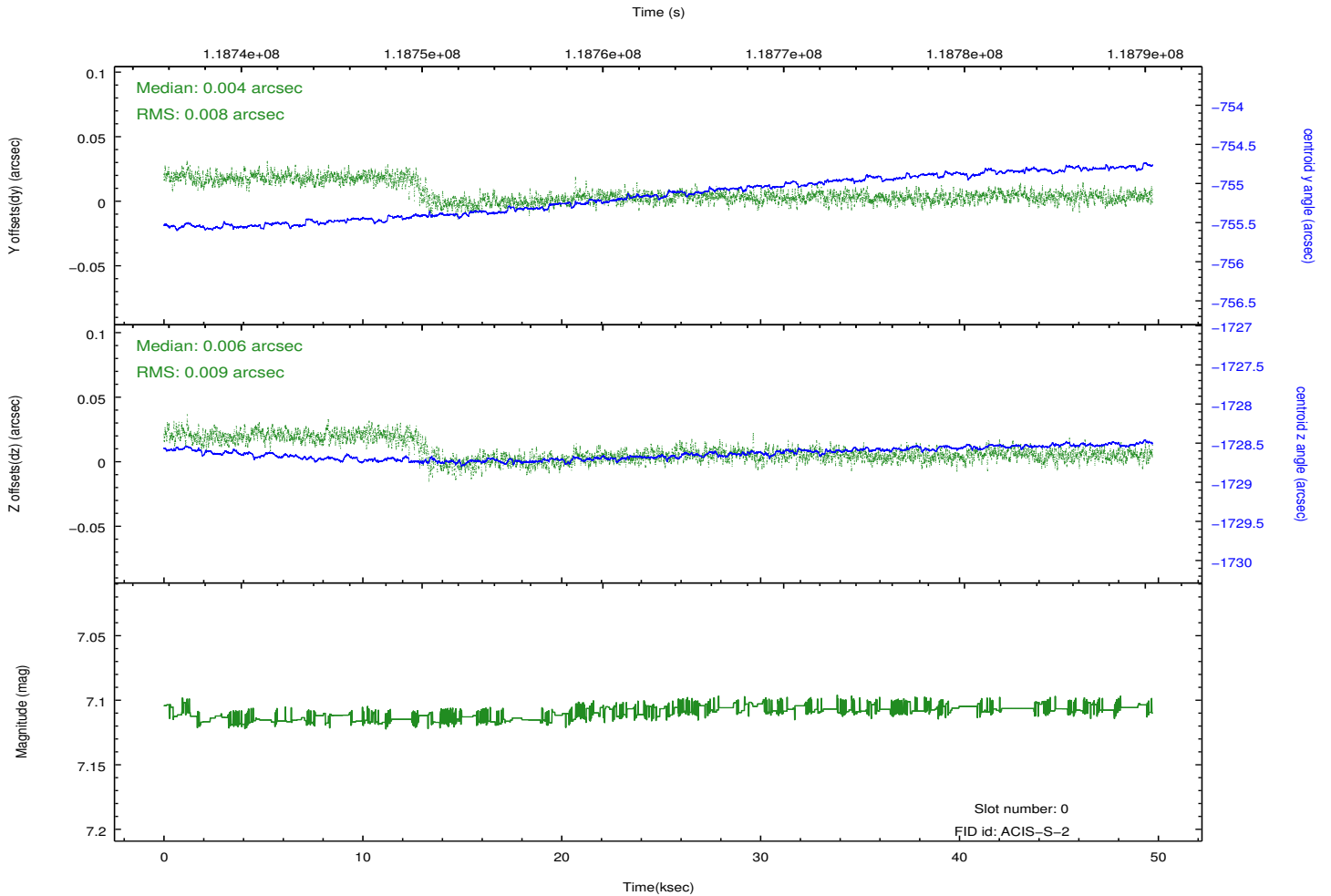
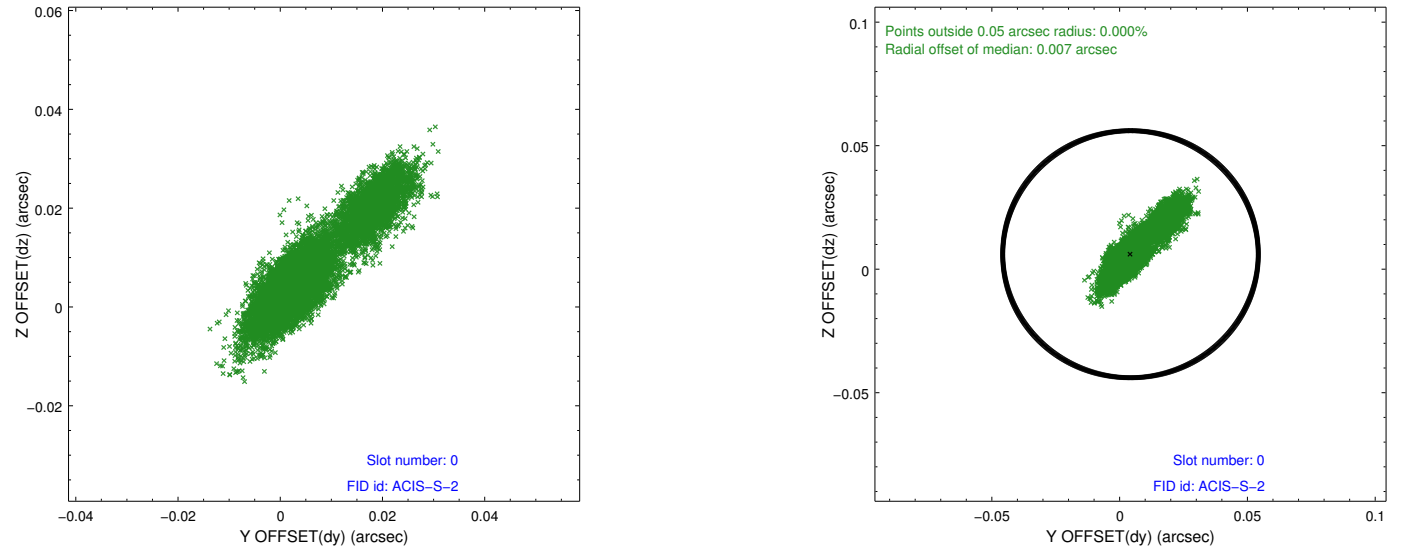


2.4.5 Slot 7

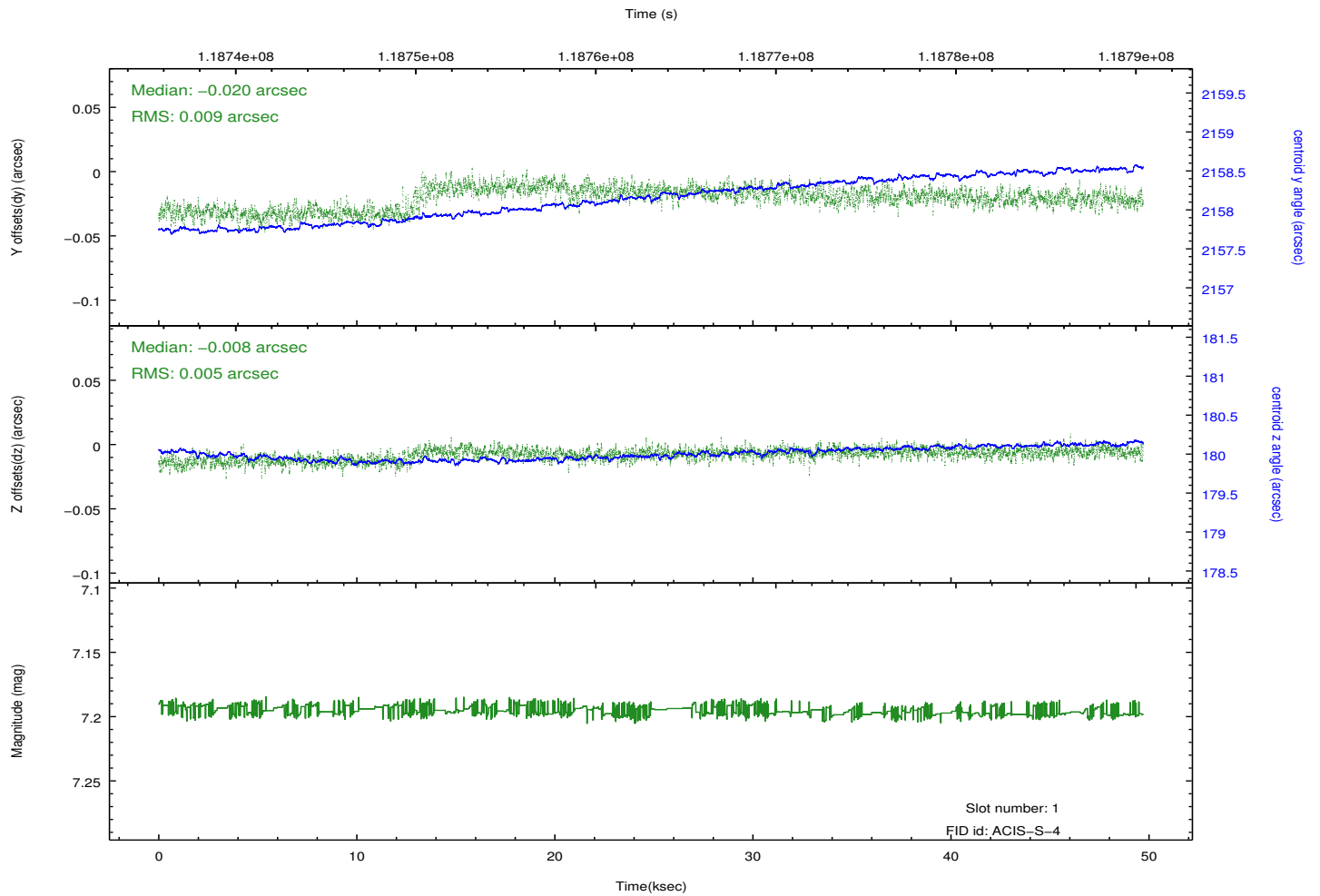
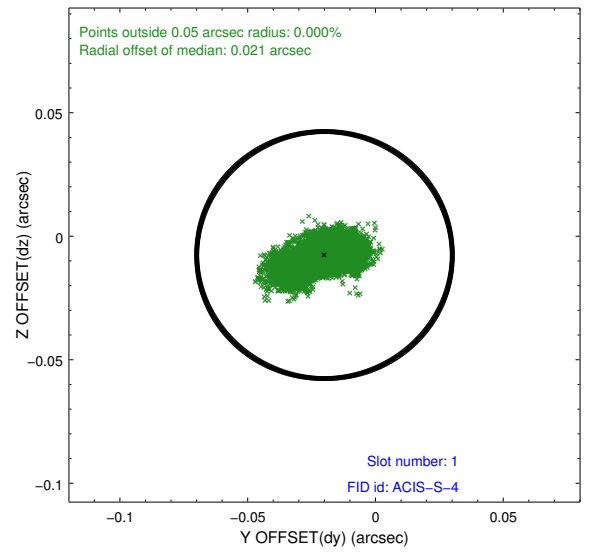
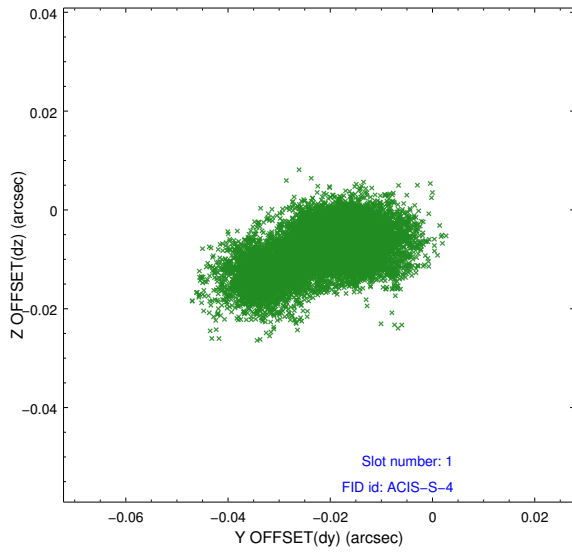


2.5 FID Slots

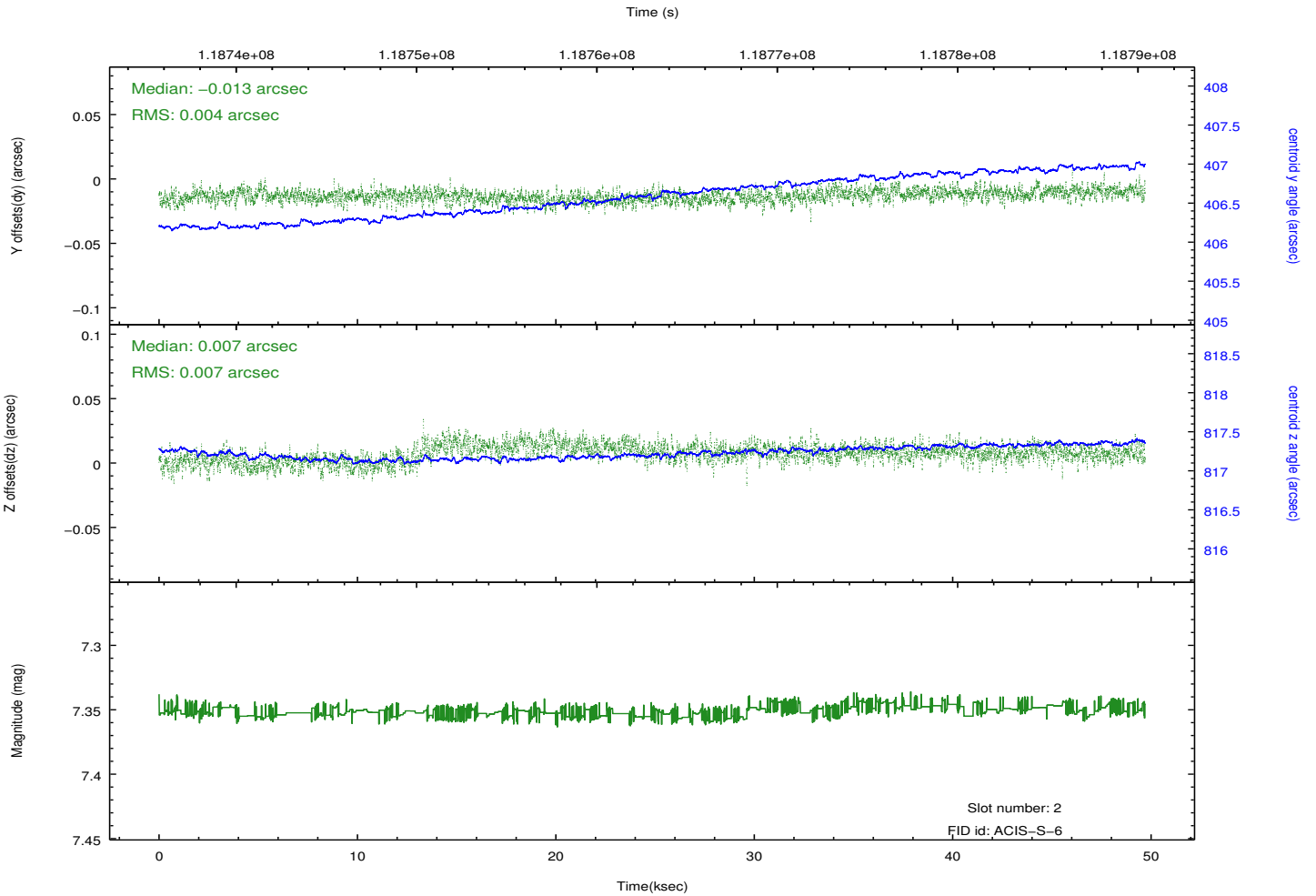
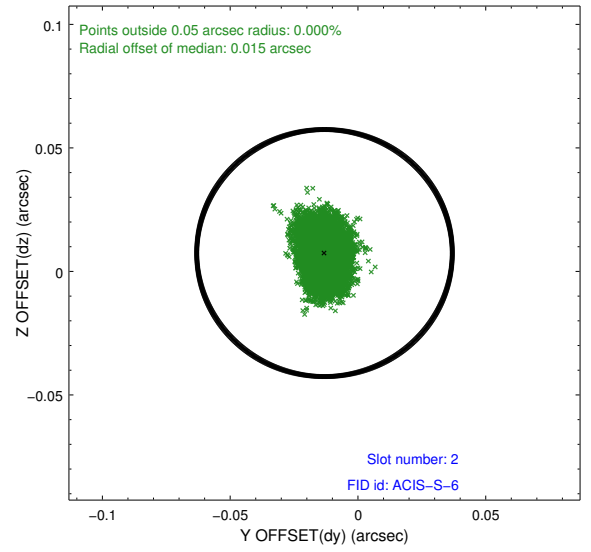
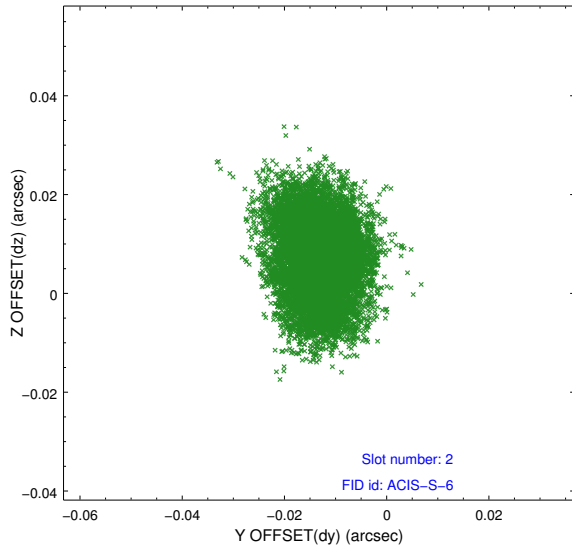
2.5.1 Slot 0



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)	2012.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.228

A.2 Comments