

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11265 - L2 Version 2
Chandra X-Ray Center

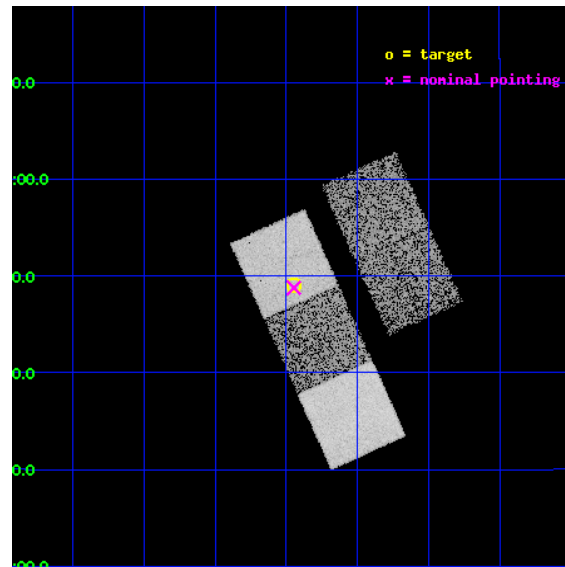
L2 Processing Date : Jun 13 2012

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

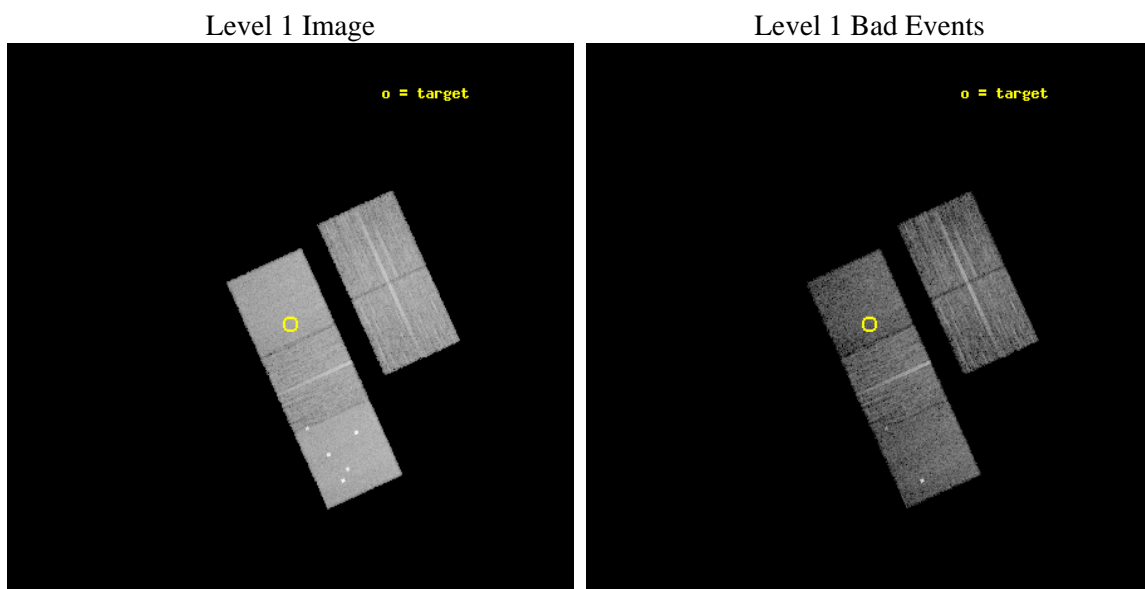
seq_num	600784	Sequence number
obs_id	11265	Observation id
title	Snapshots of Isolated Elliptical Galaxies	Proposal title
observer	Dr. DAVID BUOTE	Principal investigator
object	PGC 65766	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	314.235833	Observer's specified target RA [deg]
dec_targ	6.817694	Observer's specified target Dec [deg]
ra_nom	314.23651314967	Nominal RA [deg]
dec_nom	6.8128421315735	Nominal Dec [deg]
roll_nom	245.6035706935	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7533.0000579357	Sum of GTIs [s]
livetime	7434.5758664648	Livetime [s]
ontime2	7533.0000579357	Sum of GTIs [s]
ontime3	7533.0000579357	Sum of GTIs [s]
ontime5	7533.0000579357	Sum of GTIs [s]
ontime6	7533.0000579357	Sum of GTIs [s]
ontime7	7533.0000579357	Sum of GTIs [s]
l2events	92627	Number of level 2 events



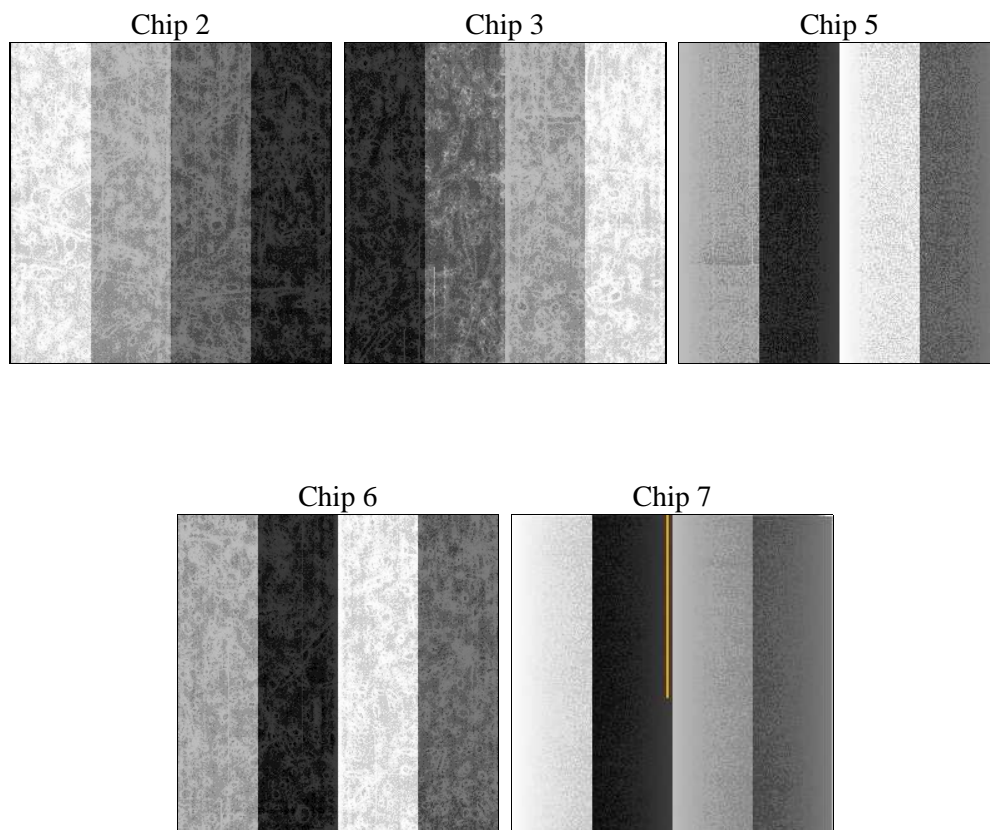
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7533.0000579357	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	7533.0000579357	Sum of GTIs [s]
date	2012-06-13T02:31:12	Date and time of file creation	ontime3	7533.0000579357	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	7533.0000579357	Sum of GTIs [s]
			ontime6	7533.0000579357	Sum of GTIs [s]
			ontime7	7533.0000579357	Sum of GTIs [s]
			l1events	370089	Number of level 1 events

2.1.4 Events

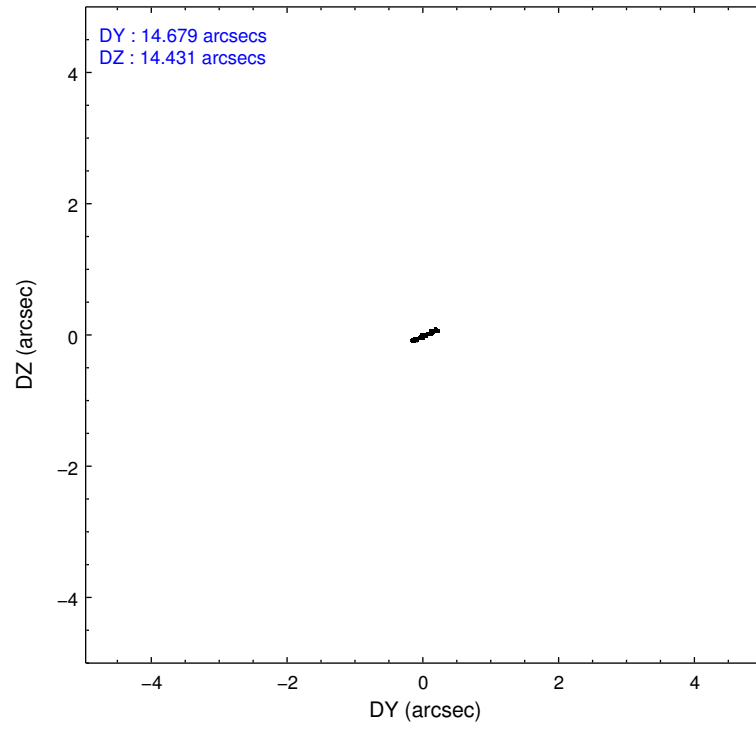
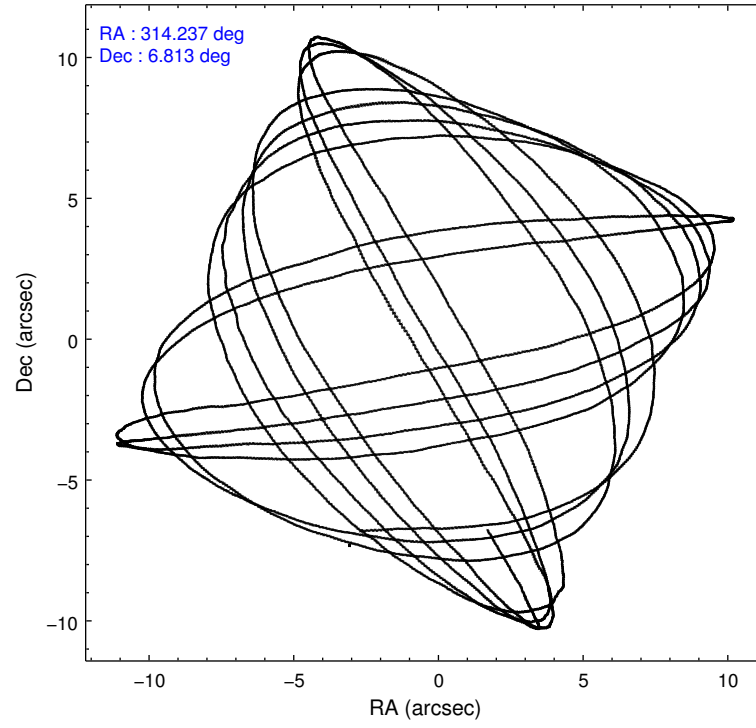
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	67588	62759	99803	64808	75131
rejected events	61194	56659	48583	58071	41371
rejected %	90%	90%	48%	89%	55%

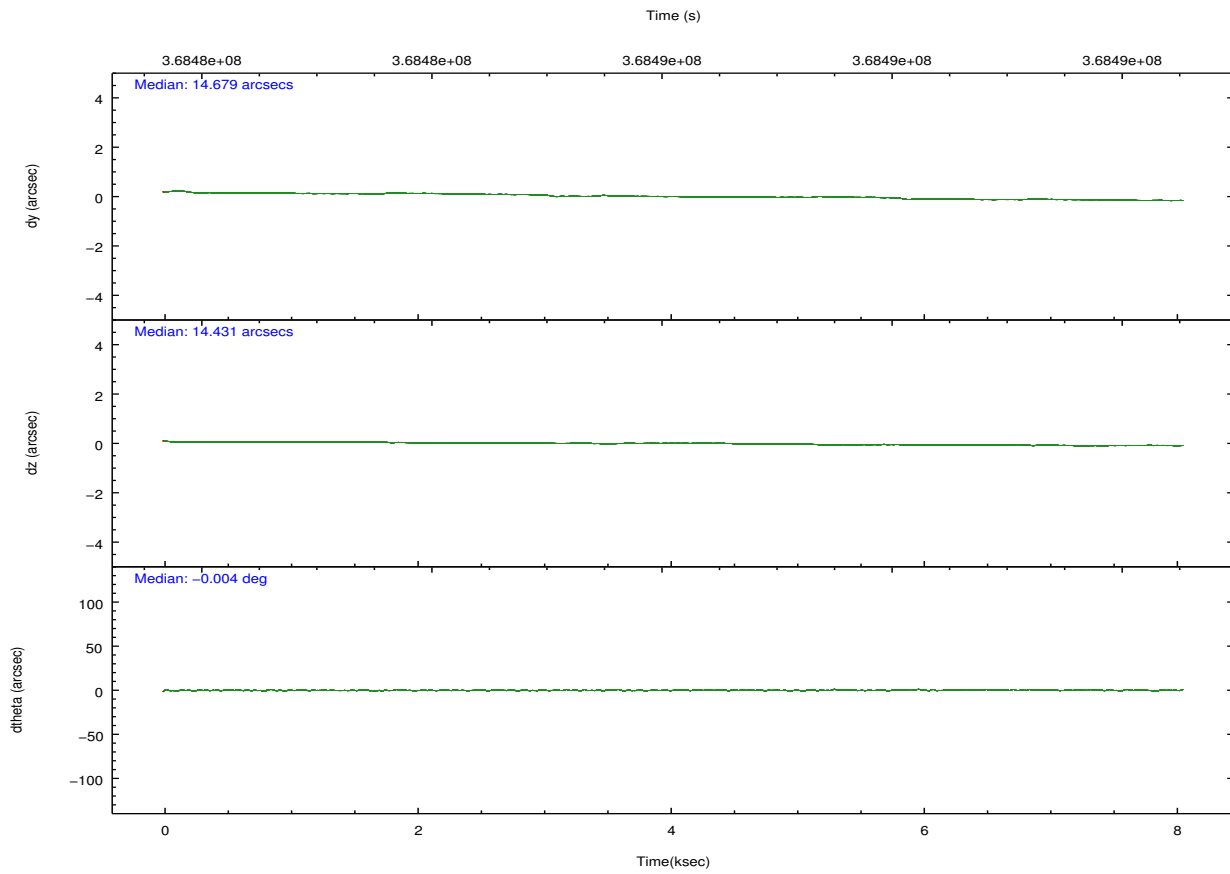
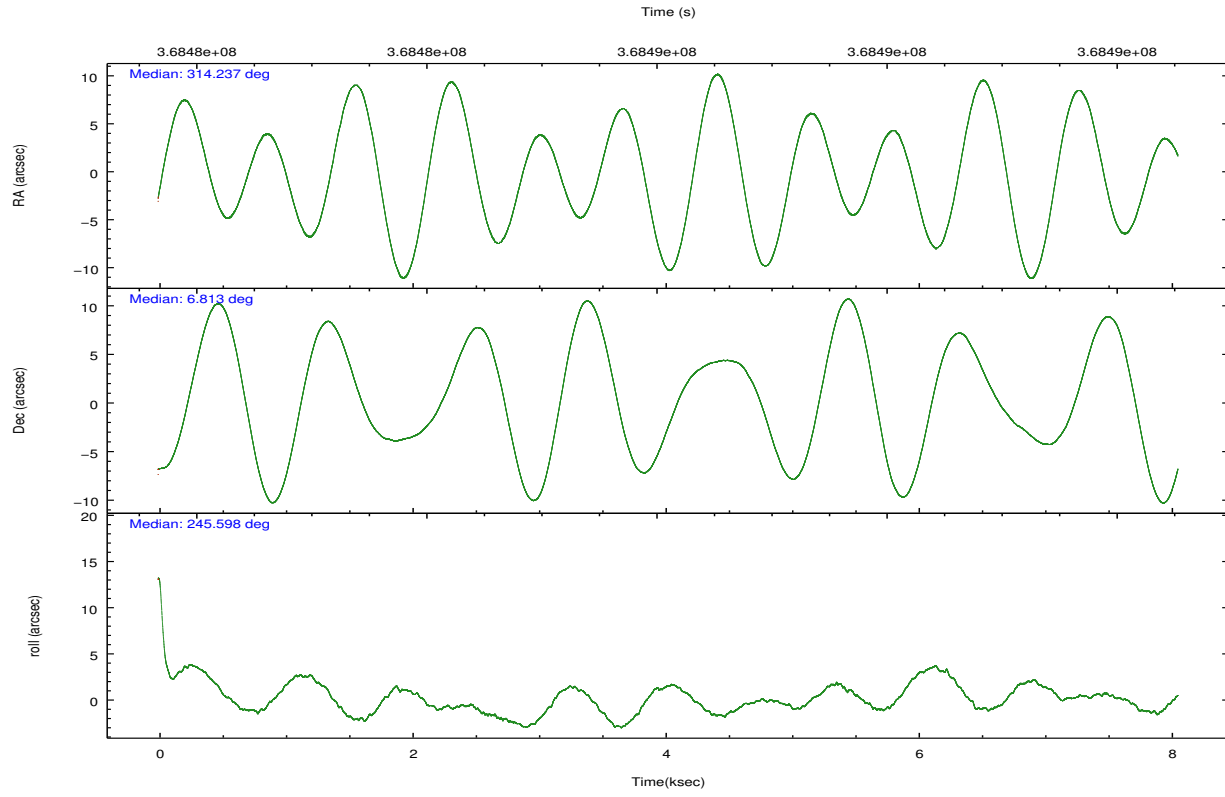
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2296	2044	8215	2207	3049
	3%	3%	8%	3%	4%
grade 1 events	45	38	333	30	87
	0%	0%	0%	0%	0%
grade 2 events	1591	1369	15131	1518	6850
	2%	2%	15%	2%	9%
grade 3 events	689	746	1830	779	3117
	1%	1%	1%	1%	4%
grade 4 events	718	693	1713	713	2926
	1%	1%	1%	1%	3%
grade 5 events	2077	2575	7697	2641	8011
	3%	4%	7%	4%	10%
grade 6 events	1103	1250	24358	1522	17832
	1%	1%	24%	2%	23%
grade 7 events	59069	54044	40526	55398	33259
	87%	86%	40%	85%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	314.233384	314.2365131496715	CCD I2 on	O1	Y
[deg] Pointing Dec	6.840055	6.812842131573501	CCD I3 on	Y	Y
[deg] Pointing Roll	245.447300	245.6035706935041	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.145094680475	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01257209746719923	CCD S4 on	N	N
[s] Observation start time (MET)	368482624.184000	368481511.93494	CCD S5 on	N	N
Observation start date	2009-09-04T20:15:58	2009-09-04T19:58:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	368490124.184000	368490449.93539	On-chip summing requested	N	N
Observation end date	2009-09-04T22:20:58	2009-09-04T22:27:29	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



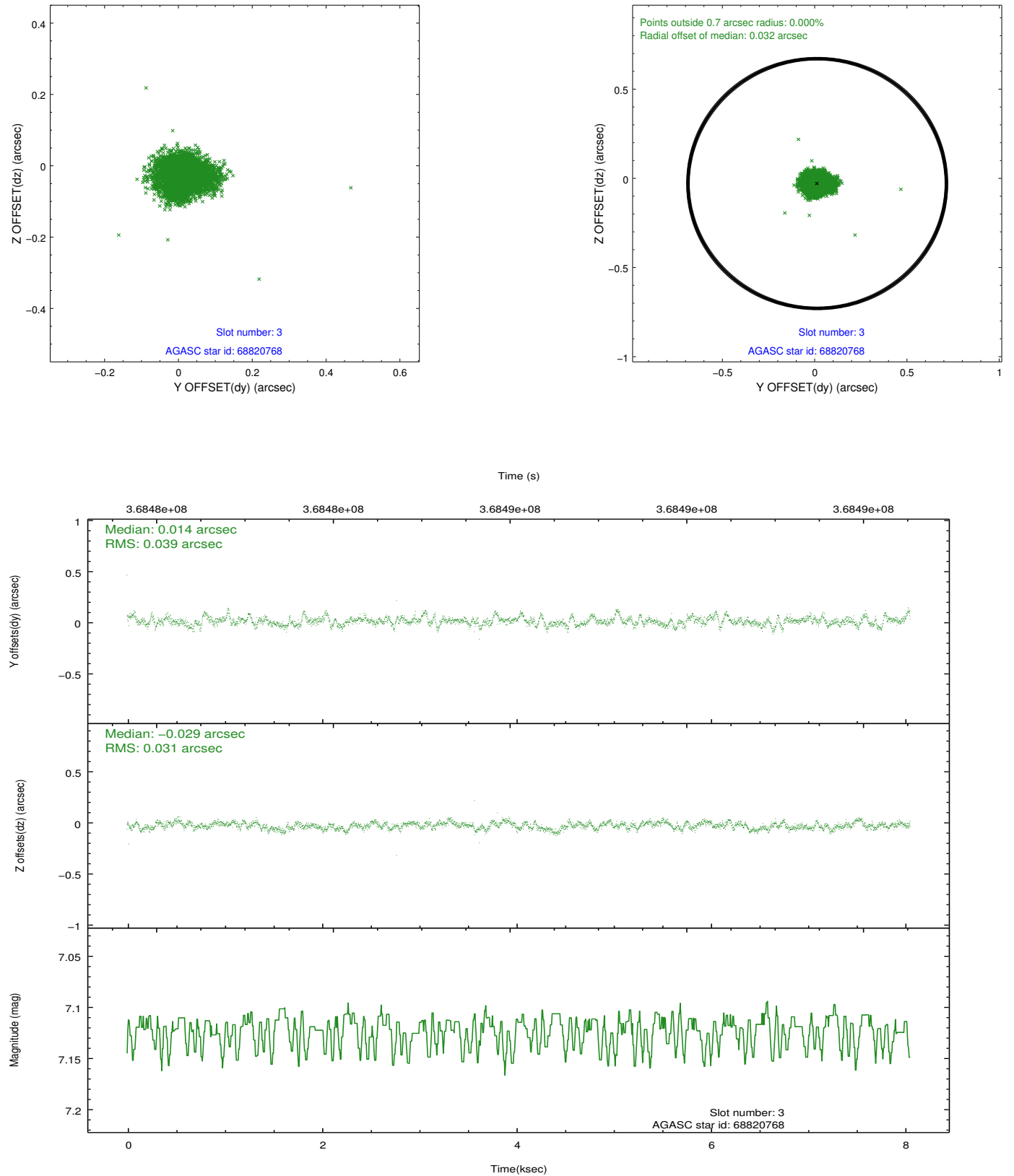


Slot Statistics

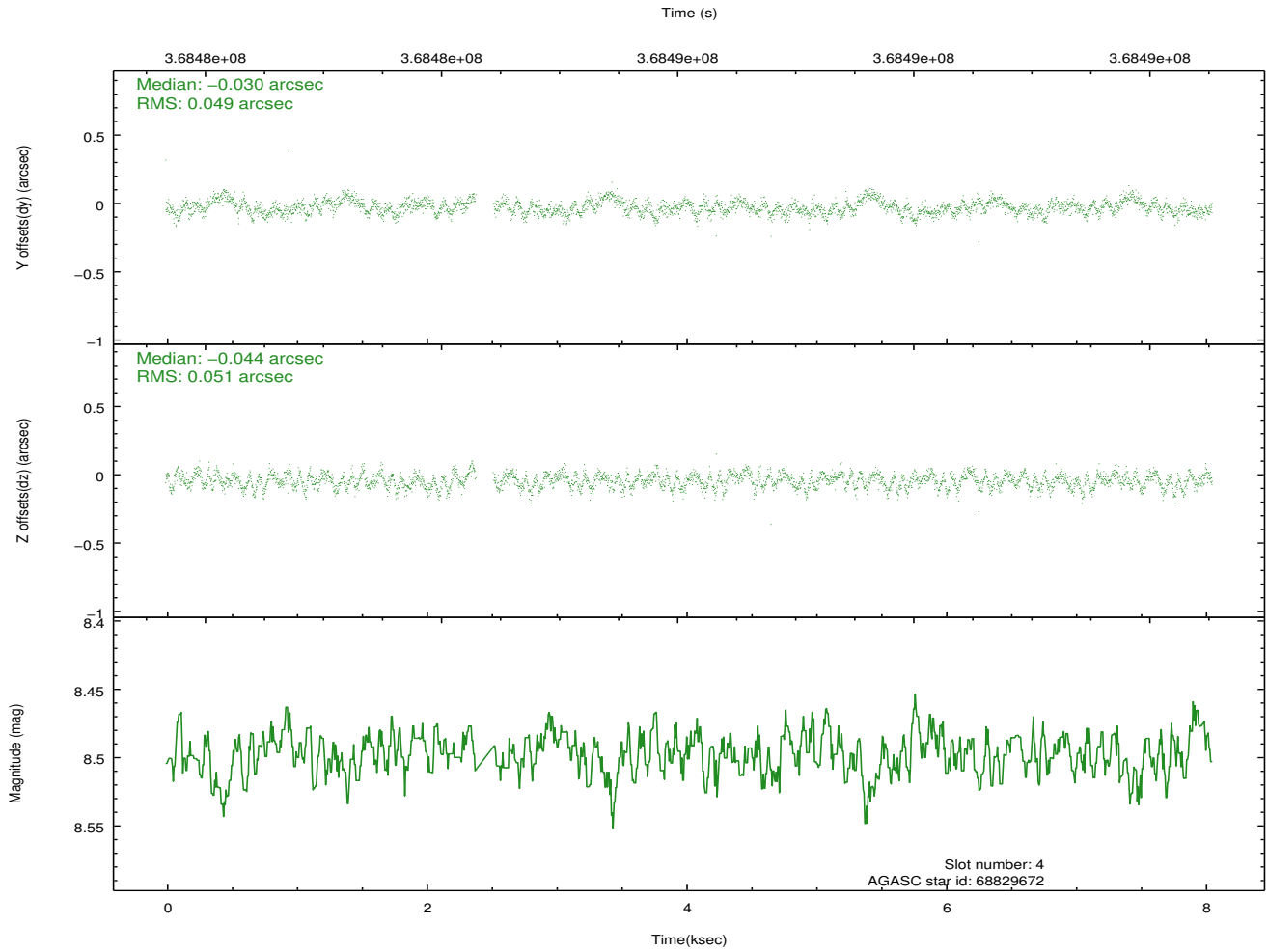
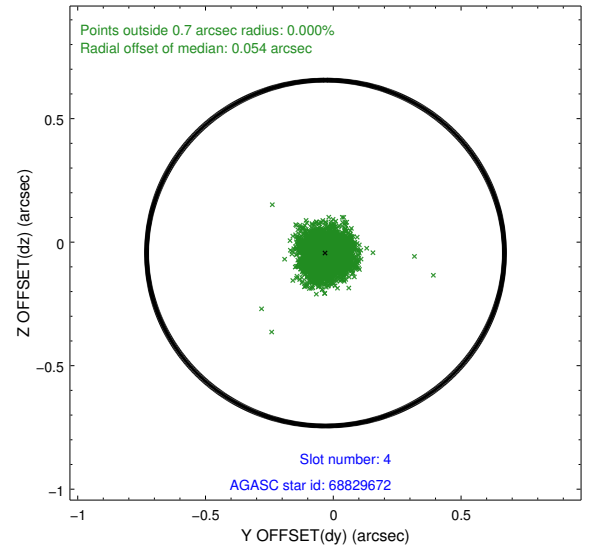
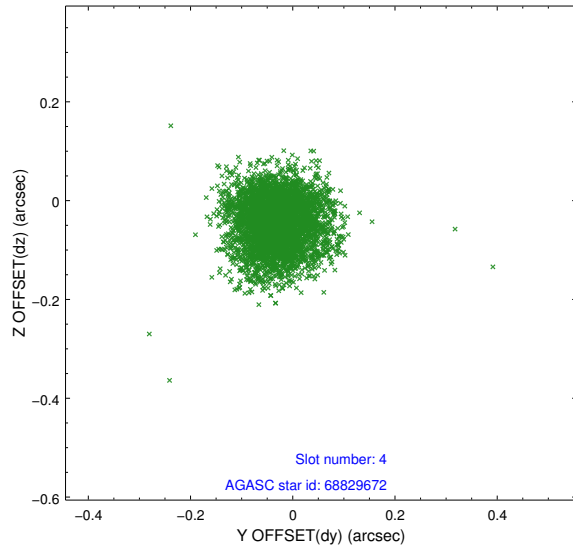
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	1966	-0.091	-0.058	0.007	0.012	0.000000	0.000000	-767.73	-1735.74
1	FID	ACIS-S-4	7.05	1966	0.233	0.059	0.006	0.010	0.000000	0.000000	2145.54	172.15
2	FID	ACIS-S-5	7.07	1966	-0.173	0.008	0.007	0.012	0.000000	0.000000	-1819.77	166.55
3	GUIDE	68820768	7.12	3928	0.014	-0.029	0.052	0.085	314.512471	6.896884	-600.64	821.96
4	GUIDE	68829672	8.50	3863	-0.030	-0.044	0.074	0.119	314.731156	6.333630	917.08	2377.71
5	GUIDE	70529280	8.40	3925	-0.046	-0.045	0.075	0.119	315.066612	7.095882	-2076.55	2324.08
6	GUIDE	142890304	7.32	3932	-0.104	0.007	0.065	0.103	313.946058	7.666247	-2279.30	-2168.43
7	GUIDE	144596936	9.24	3867	0.169	0.117	0.108	0.176	314.094690	7.596834	-2272.47	-1582.99

2.4 Star Slots

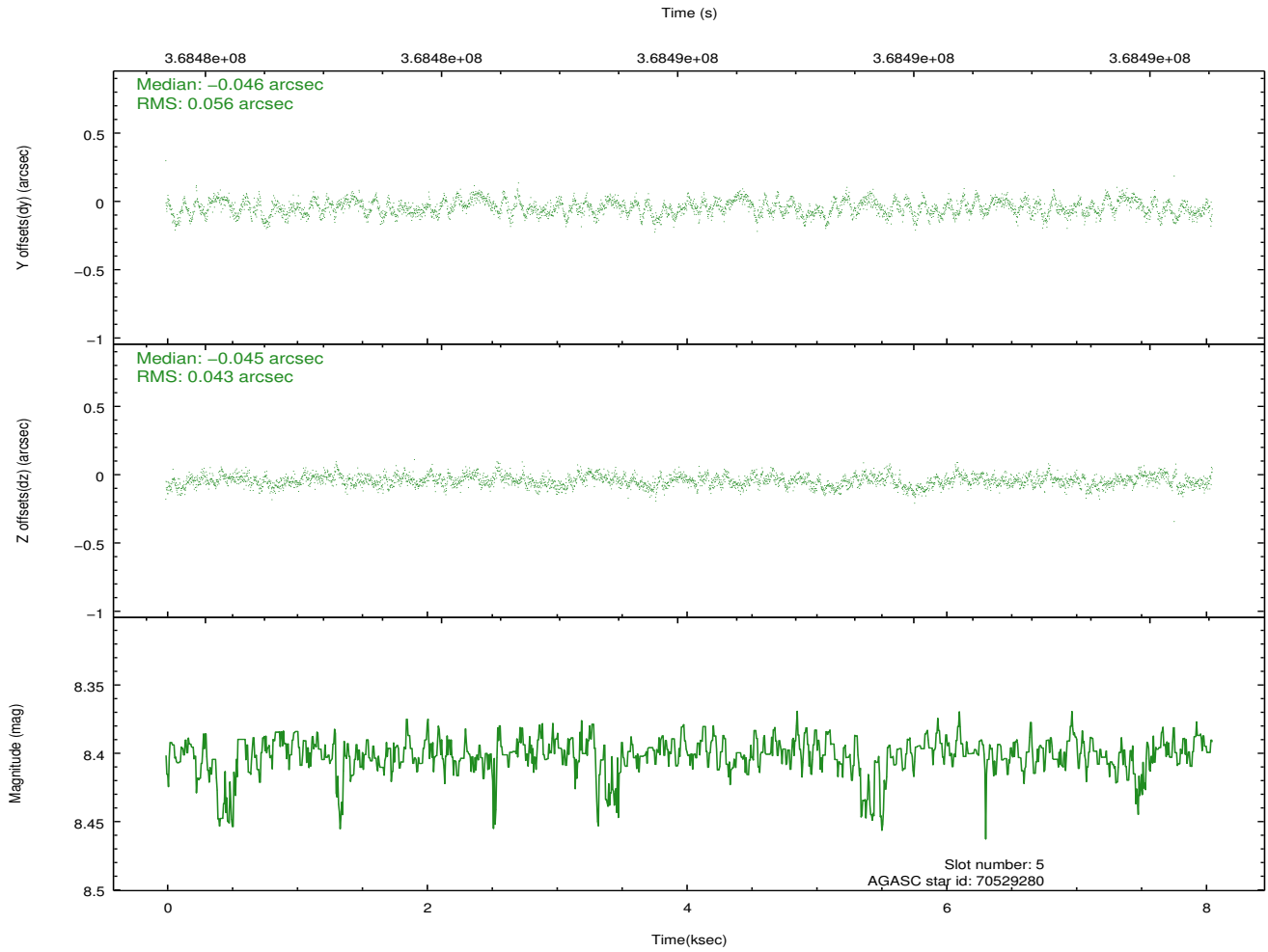
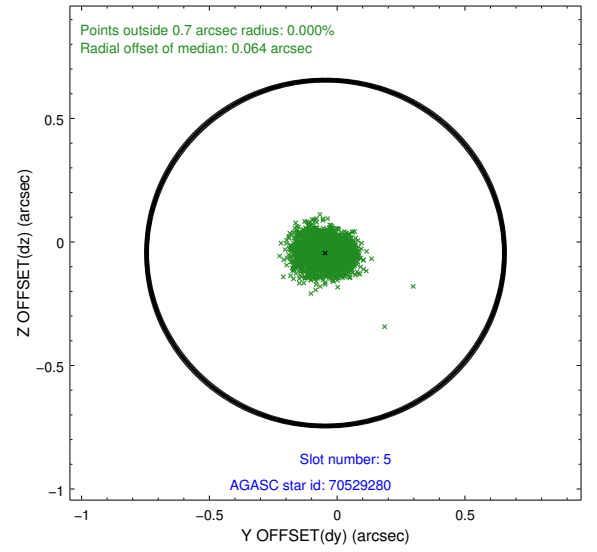
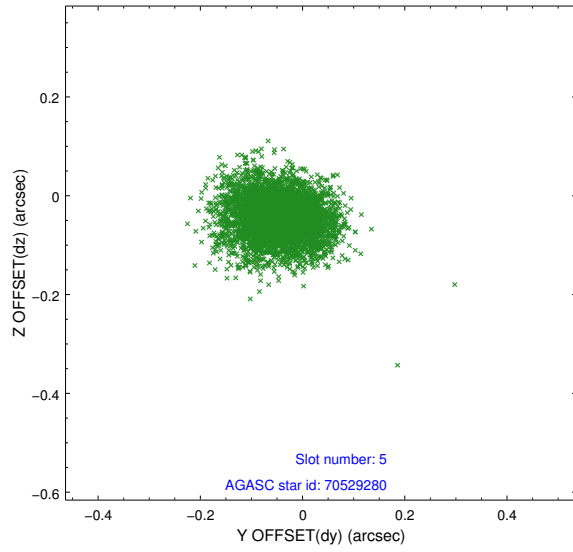
2.4.1 Slot 3



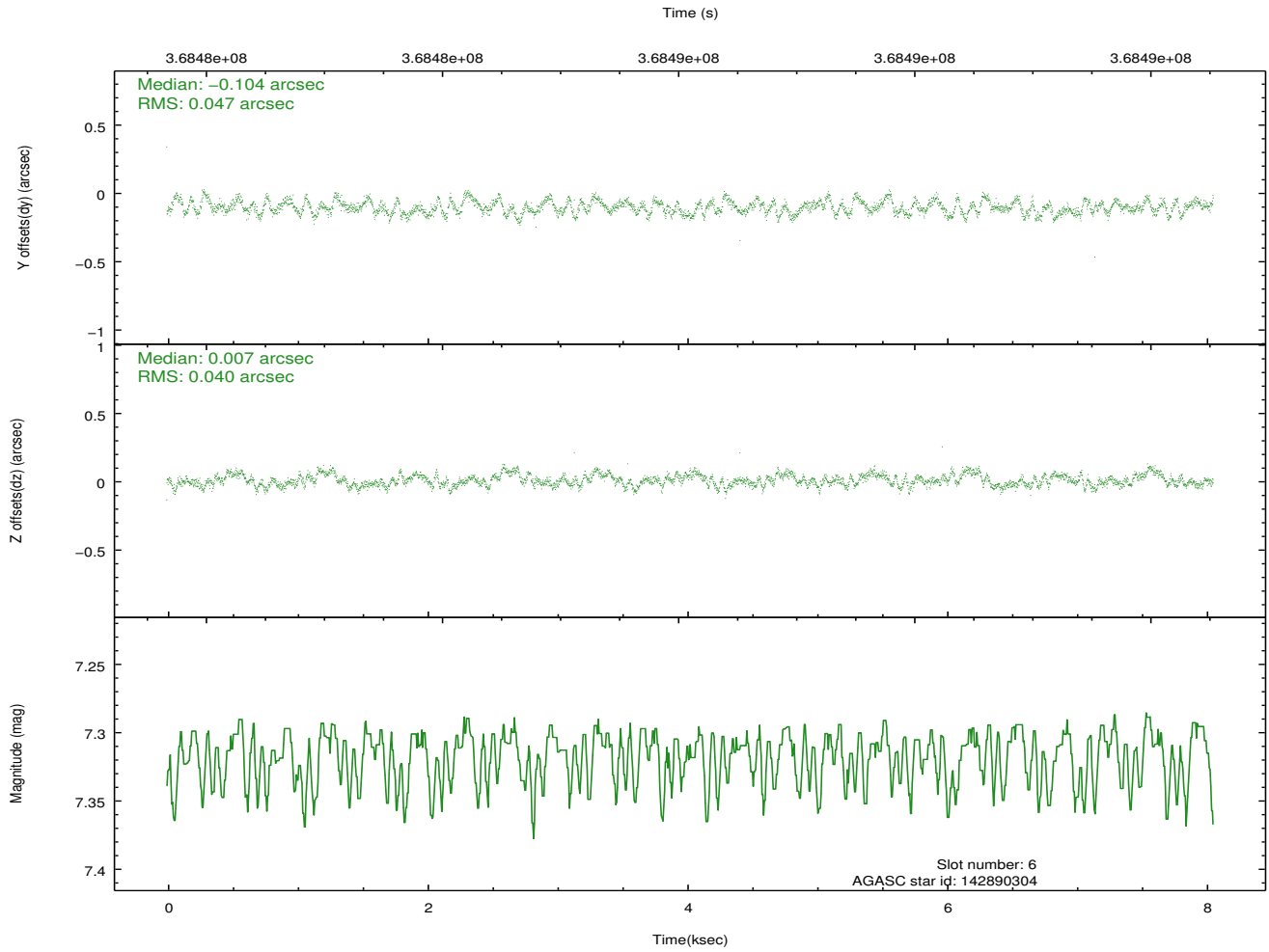
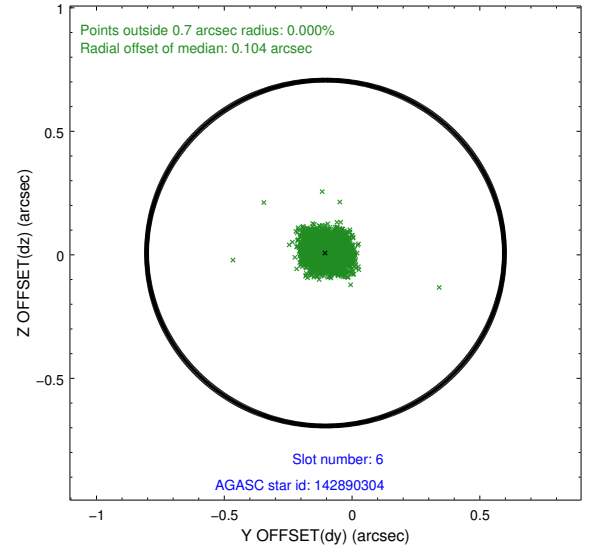
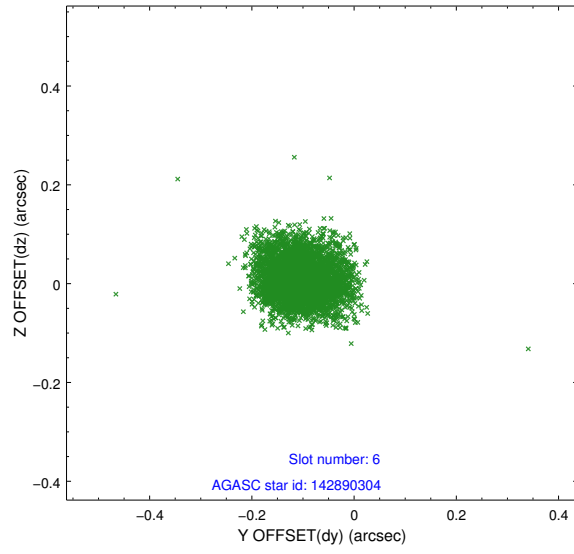
2.4.2 Slot 4



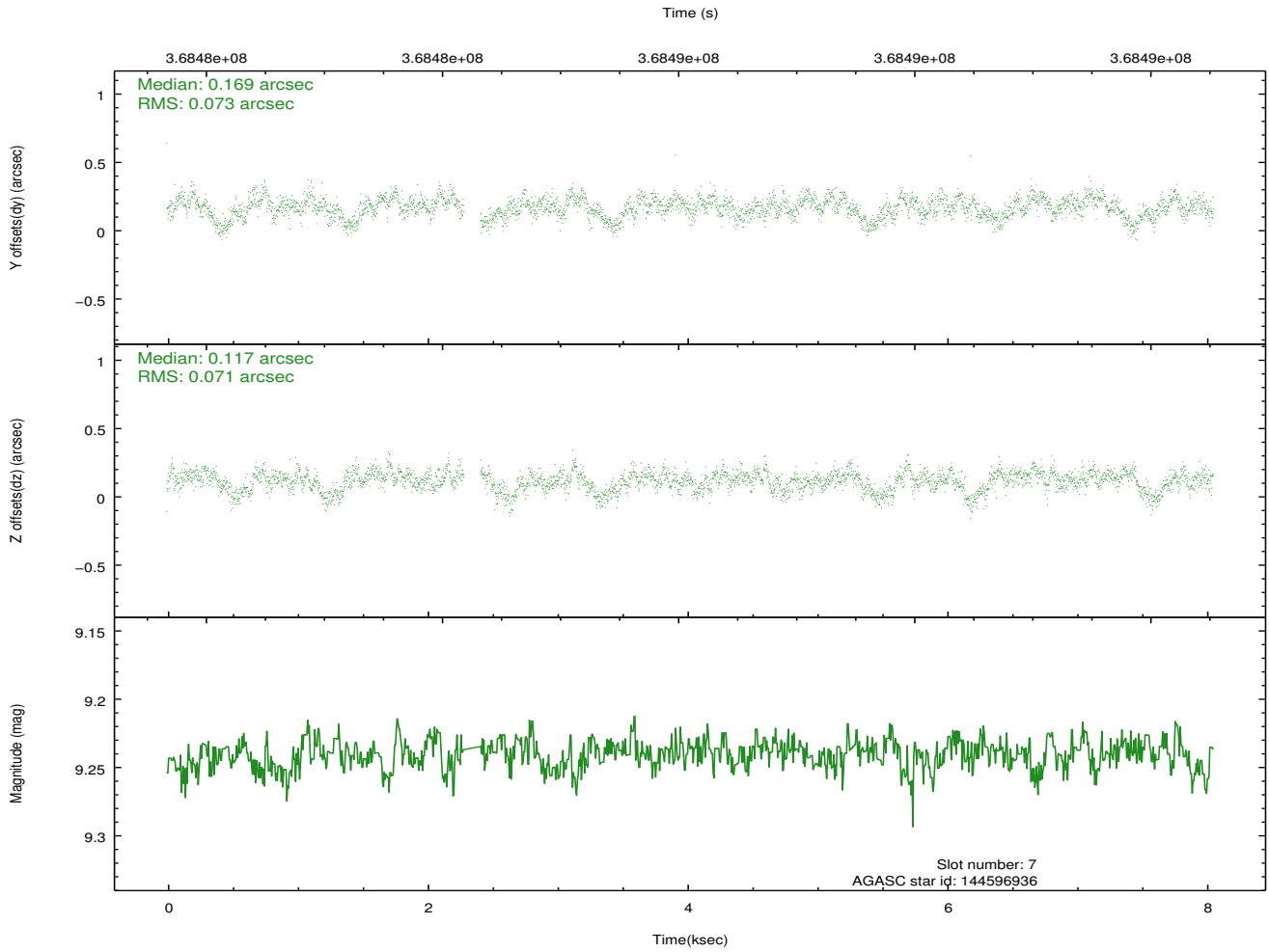
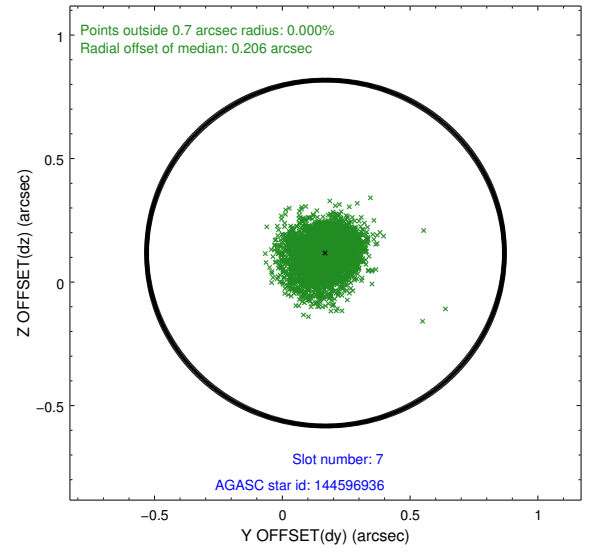
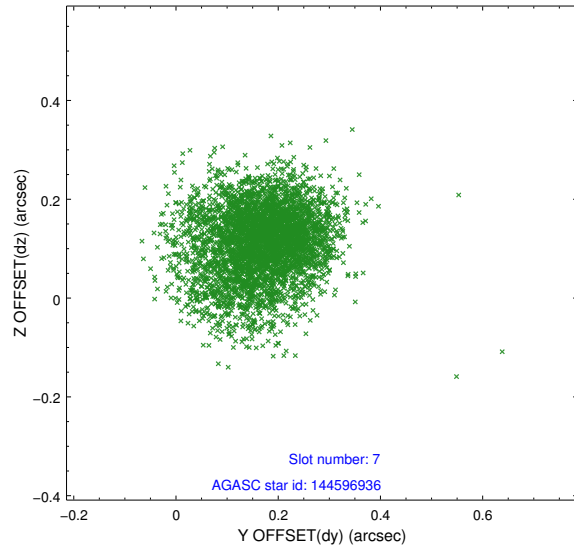
2.4.3 Slot 5



2.4.4 Slot 6

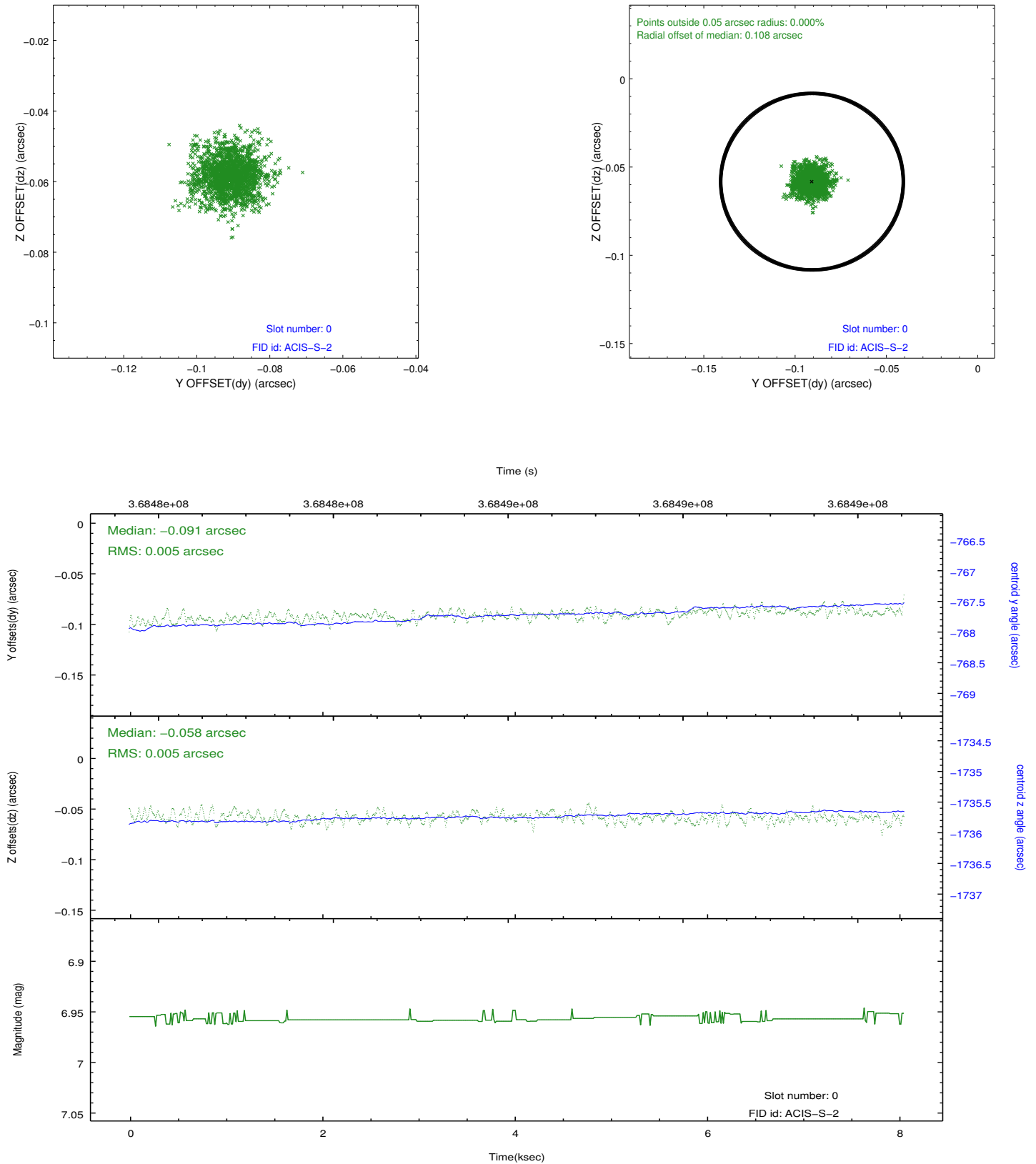


2.4.5 Slot 7

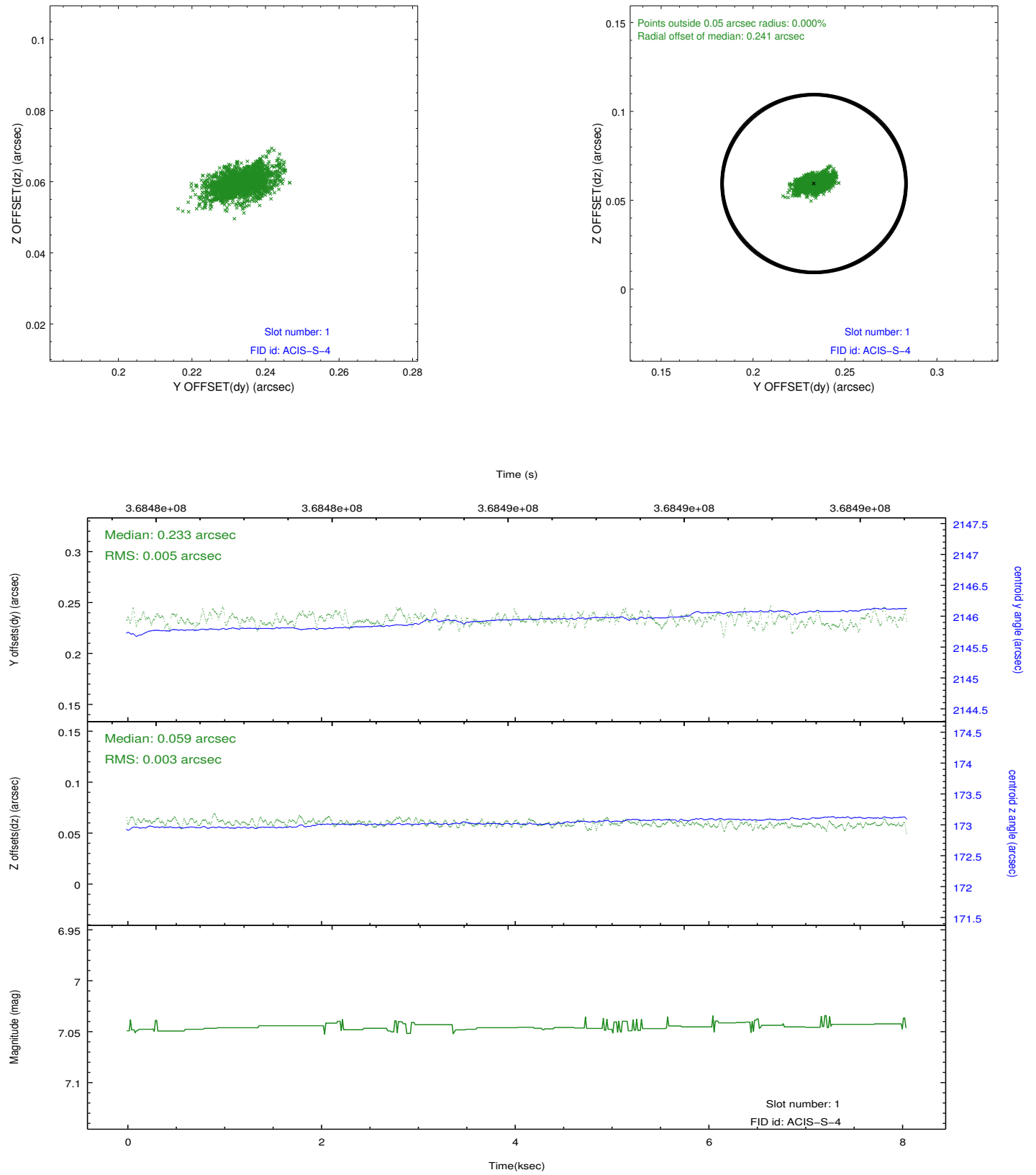


2.5 FID Slots

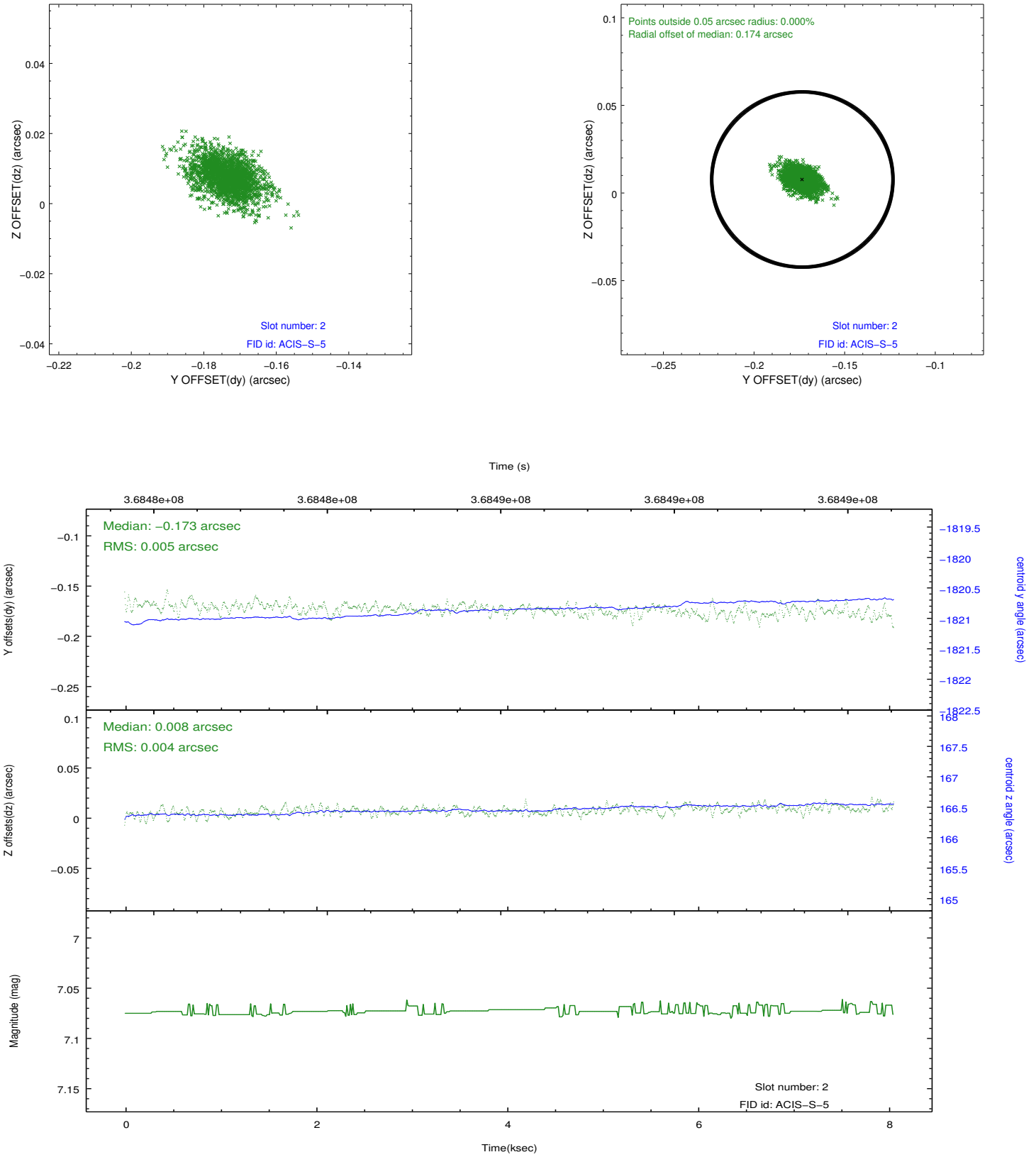
2.5.1 Slot 0



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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5330000579357

A.2 Comments