

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12141 - L2 Version 2
Chandra X-Ray Center

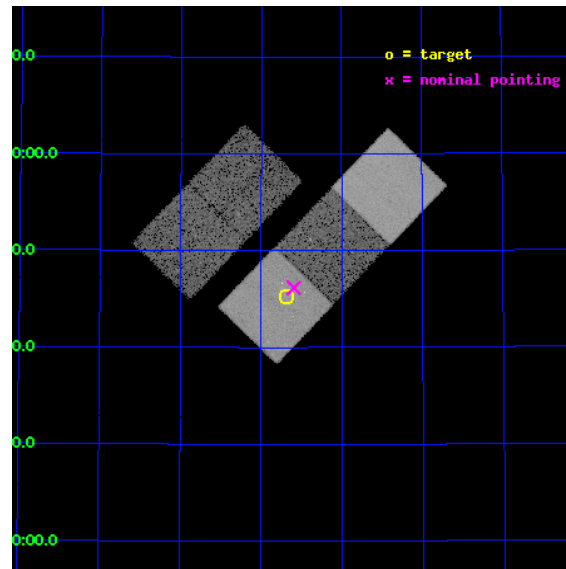
L2 Processing Date : Jun 24 2012

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

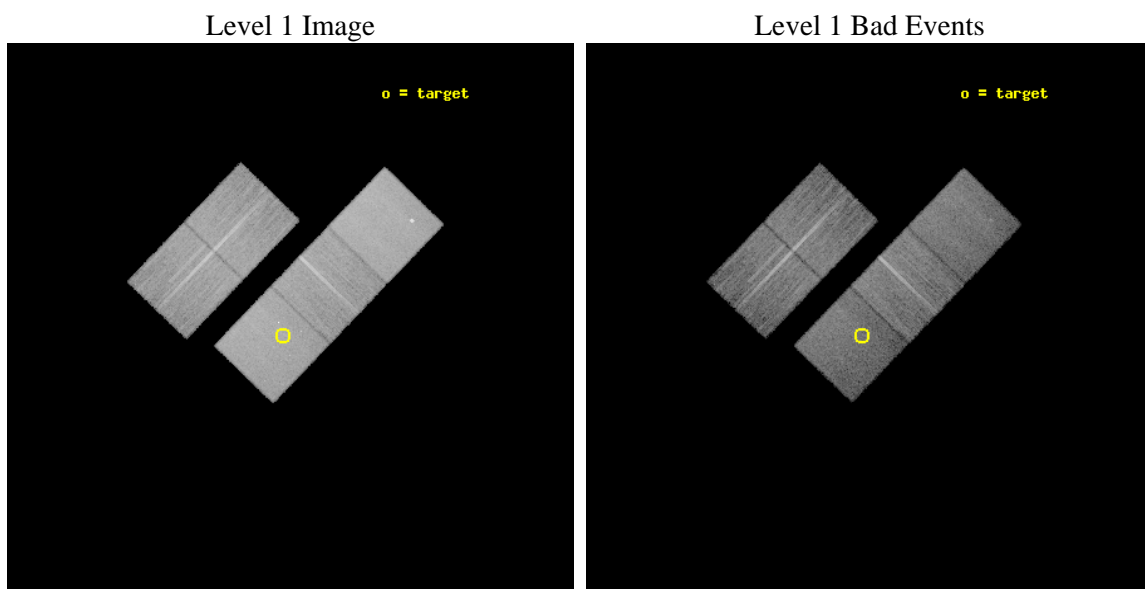
seq_num	800860	Sequence number
obs_id	12141	Observation id
title	Massive Galaxy Clusters at High Redshift from the Spitzer SpARCS Survey	Proposal title
observer	Dr. Erica Ellingson	Principal investigator
object	EN1-349	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.172083	Observer's specified target RA [deg]
dec_targ	55.753333	Observer's specified target Dec [deg]
ra_nom	244.14859019102	Nominal RA [deg]
dec_nom	55.769446356608	Nominal Dec [deg]
roll_nom	133.92605314008	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16182.000124454	Sum of GTIs [s]
livetime	15970.570379813	Livetime [s]
ontime2	16182.000124454	Sum of GTIs [s]
ontime3	16182.000124454	Sum of GTIs [s]
ontime5	16182.000124454	Sum of GTIs [s]
ontime6	16178.859134257	Sum of GTIs [s]
ontime7	16182.000124454	Sum of GTIs [s]
l2events	181032	Number of level 2 events



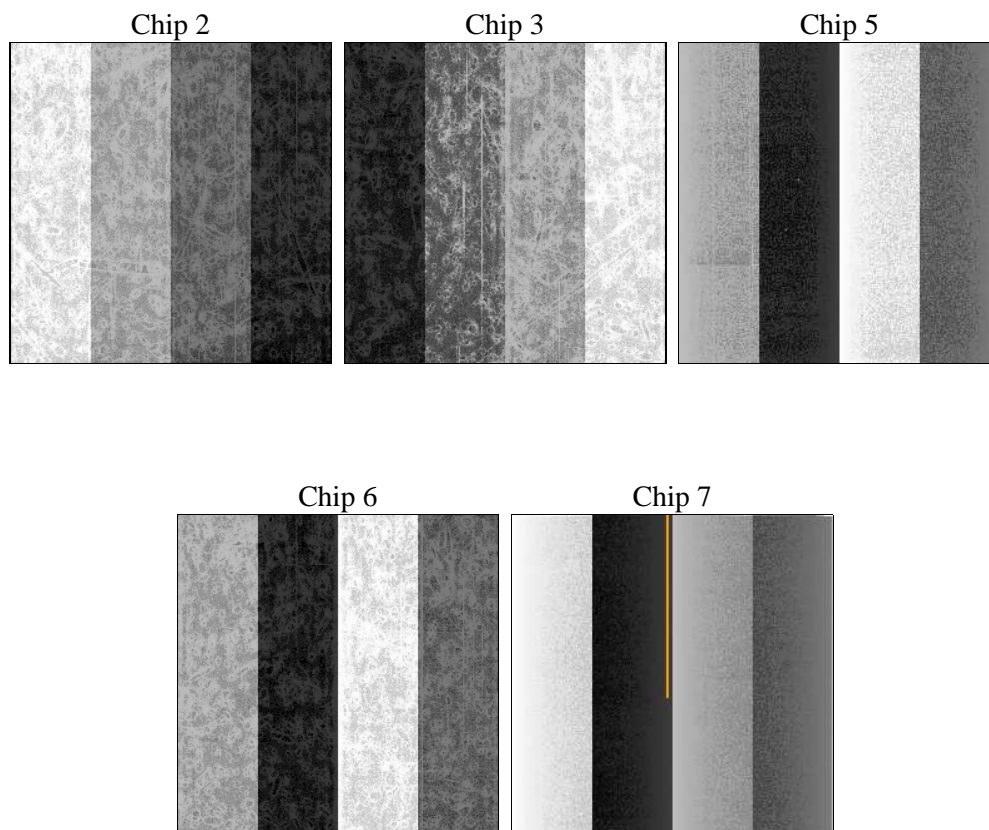
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16182.000124454	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	16182.000124454	Sum of GTIs [s]
date	2012-06-24T08:43:34	Date and time of file creation	ontime3	16182.000124454	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	16182.000124454	Sum of GTIs [s]
			ontime6	16178.859134257	Sum of GTIs [s]
			ontime7	16182.000124454	Sum of GTIs [s]
			l1events	693103	Number of level 1 events

2.1.4 Events

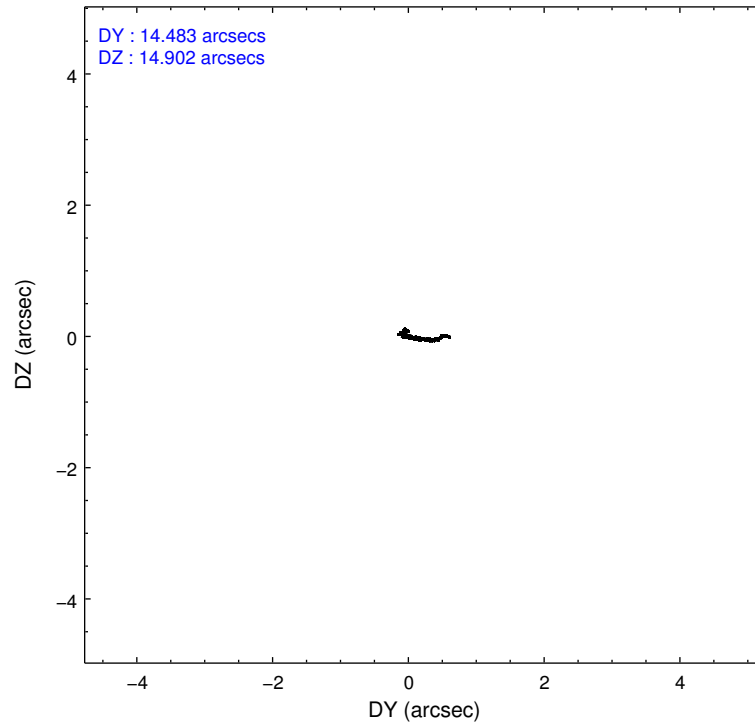
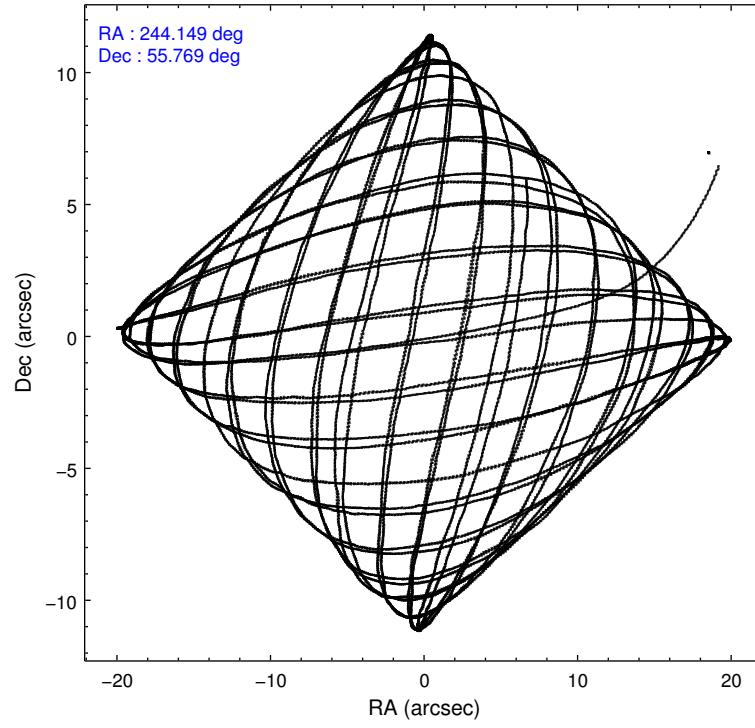
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	121501	115495	180304	126940	148863
rejected events	108762	103281	94174	113386	82039
rejected %	89%	89%	52%	89%	55%

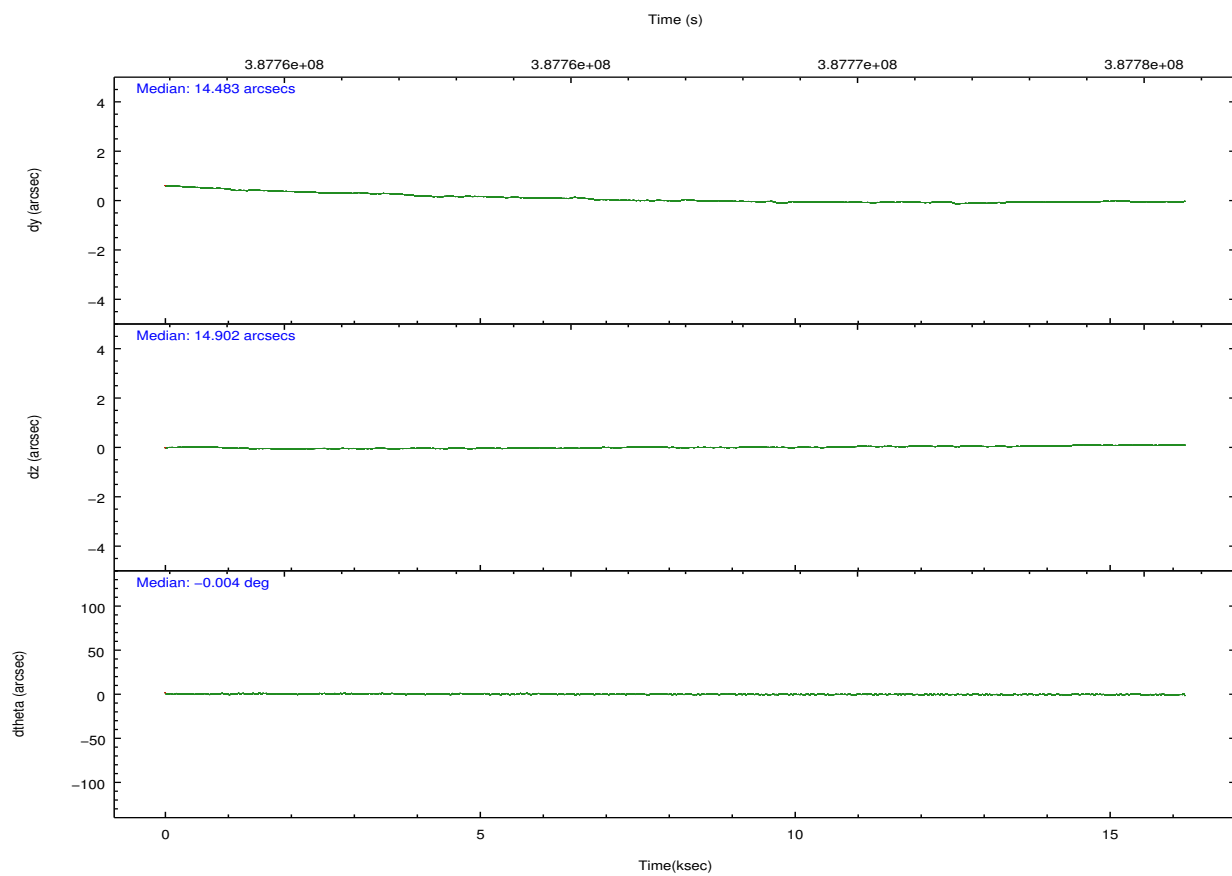
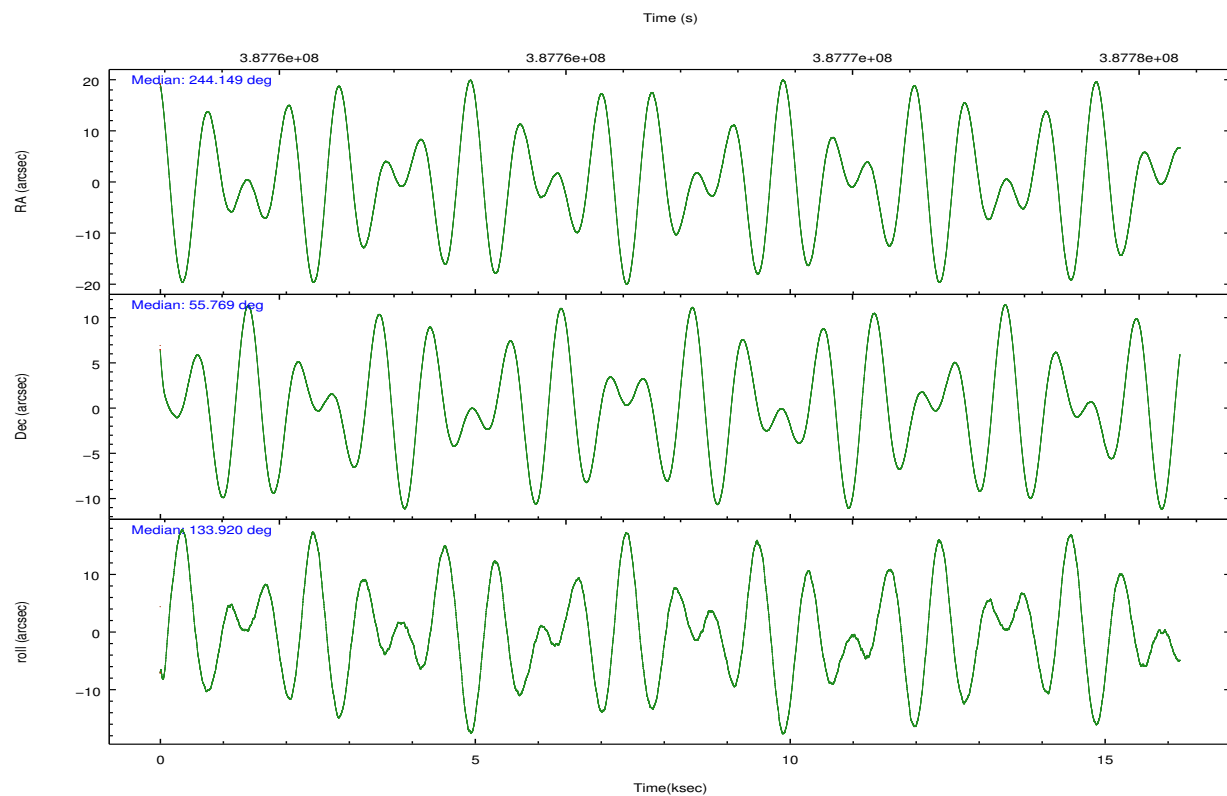
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	4650	4450	6597	4856	6619
	3%	3%	3%	3%	4%
grade 1 events	68	75	334	64	184
	0%	0%	0%	0%	0%
grade 2 events	2974	2656	26418	3046	13961
	2%	2%	14%	2%	9%
grade 3 events	1381	1339	3547	1406	5948
	1%	1%	1%	1%	3%
grade 4 events	1427	1355	3214	1424	6107
	1%	1%	1%	1%	4%
grade 5 events	4655	5305	13672	5415	15181
	3%	4%	7%	4%	10%
grade 6 events	2447	2557	47406	2973	34957
	2%	2%	26%	2%	23%
grade 7 events	103899	97758	79116	107756	65906
	85%	84%	43%	84%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	244.195478	244.1485901910241	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.762232	55.76944635660791	Alternating exposures requested	N	N
[deg] Pointing Roll	133.730659	133.9260531400832	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	387758907.184000	387757817.68388			
Observation start date	2010-04-15T22:47:21	2010-04-15T22:30:17			
[s] Observation end time (MET)	387774907.184000	387775430.77228			
Observation end date	2010-04-16T03:14:01	2010-04-16T03:23:50			
Read mode	TIMED	TIMED			

2.3 Aspect



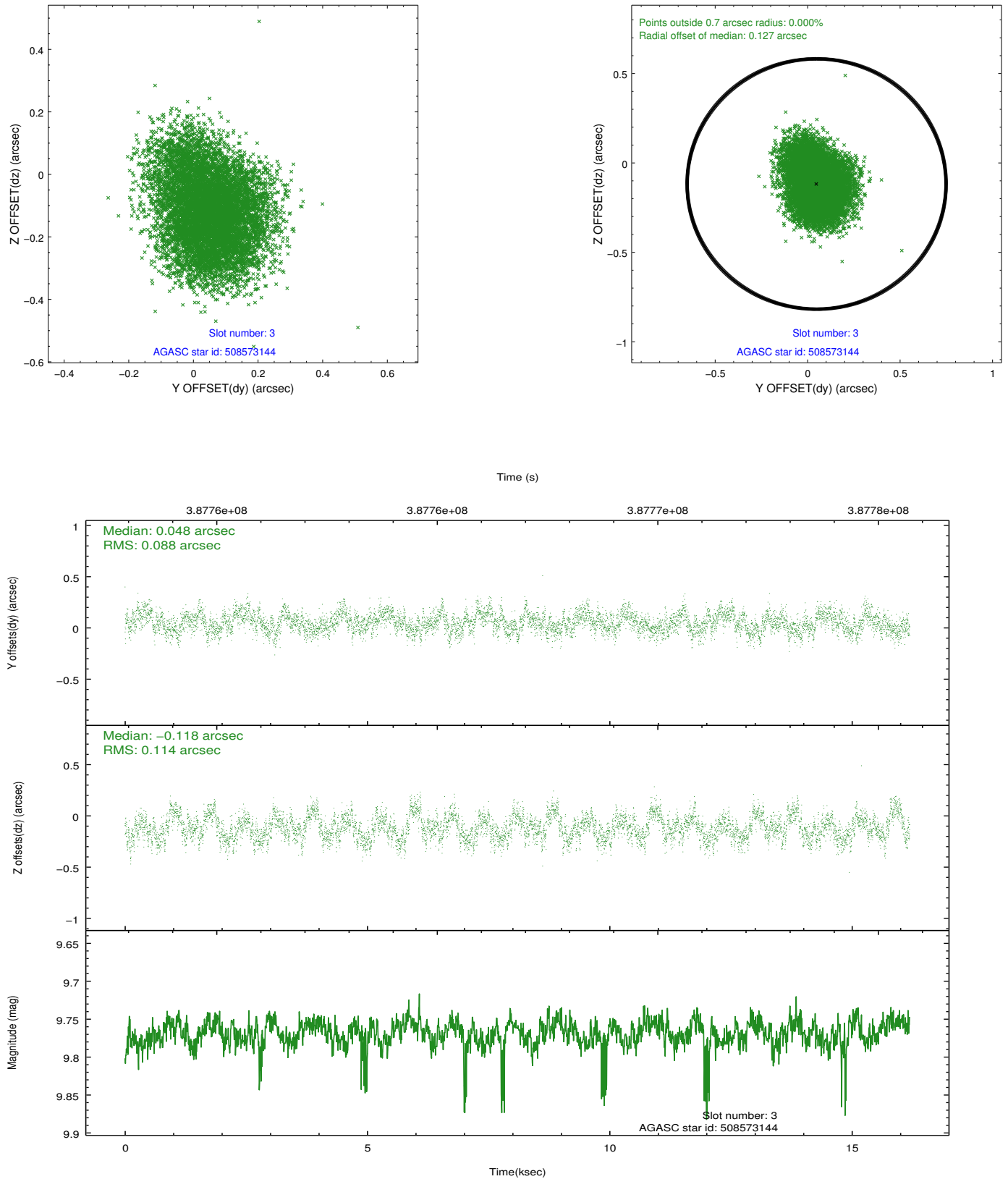


Slot Statistics

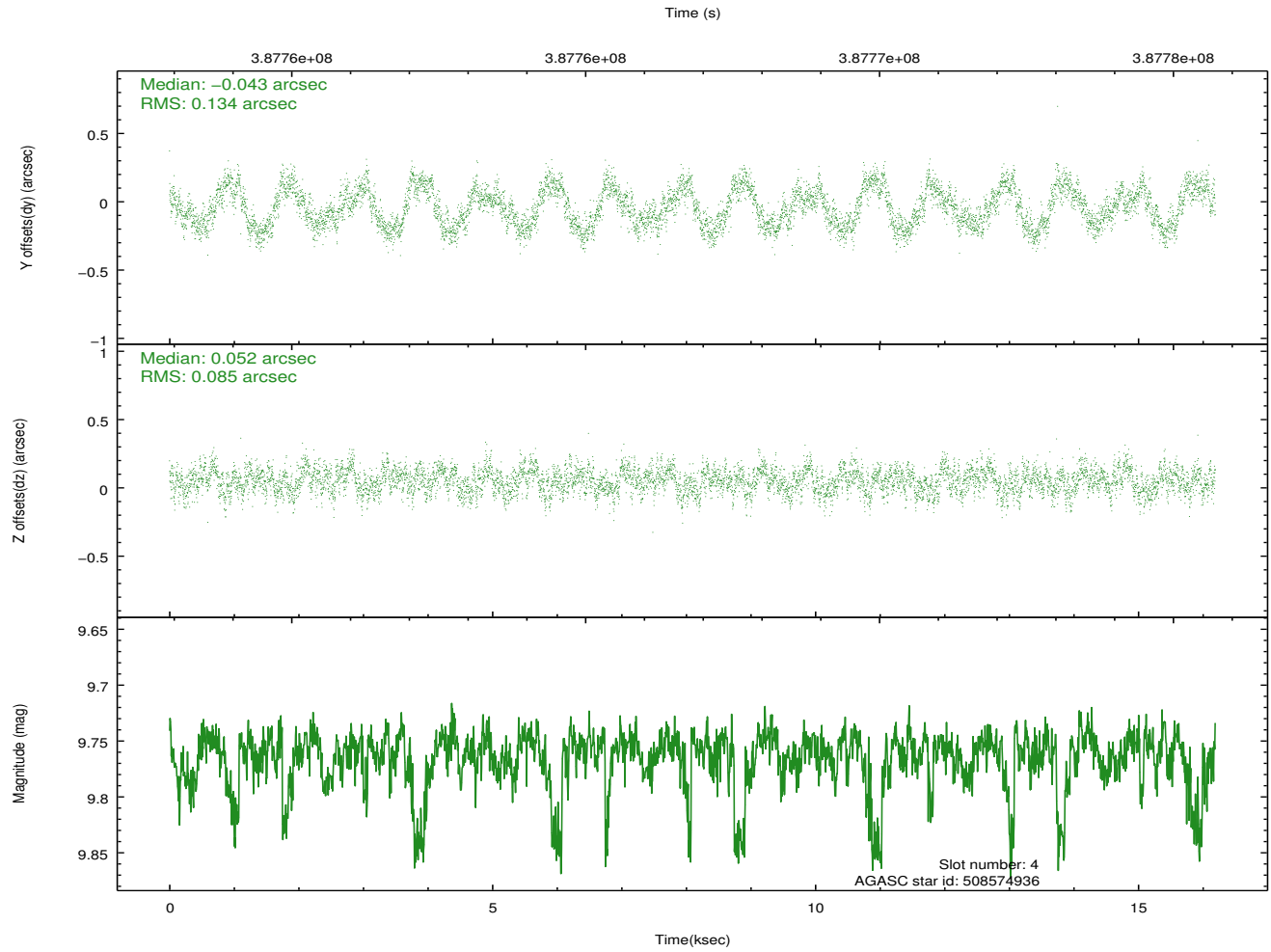
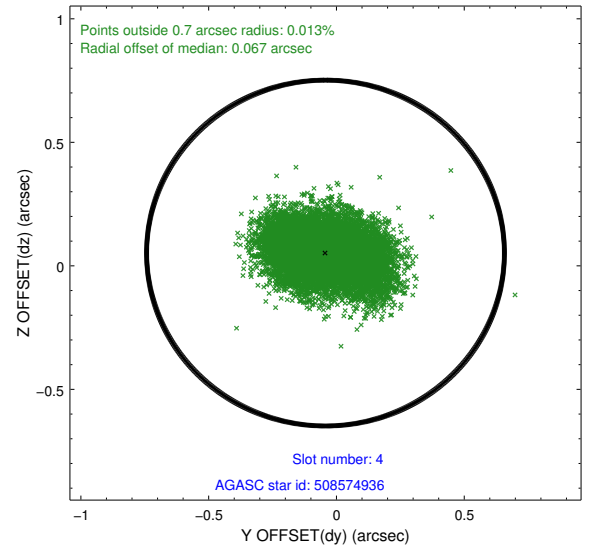
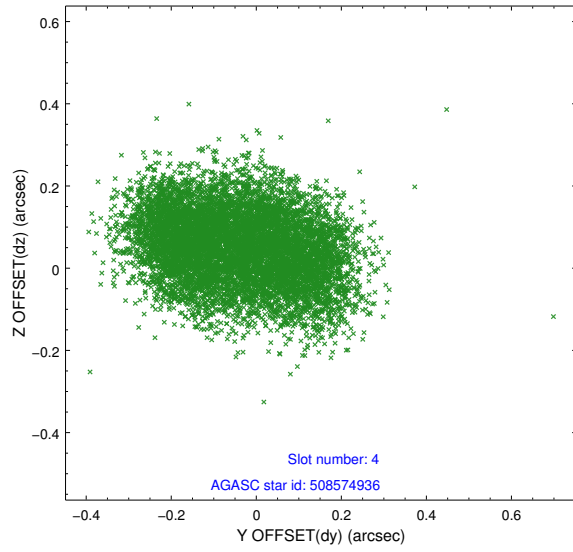
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	3949	-0.089	-0.034	0.008	0.014	0.000000	0.000000	-767.61	-1736.32
1	FID	ACIS-S-4	7.01	3950	0.207	0.052	0.006	0.012	0.000000	0.000000	2145.83	171.99
2	FID	ACIS-S-5	7.04	3950	-0.149	-0.010	0.008	0.016	0.000000	0.000000	-1820.18	165.87
3	GUIDE	508573144	9.77	7888	0.048	-0.118	0.156	0.245	243.478155	55.567836	509.03	1534.55
4	GUIDE	508574936	9.76	7884	-0.043	0.052	0.174	0.262	243.430611	55.657634	808.31	1377.35
5	GUIDE	508699760	8.58	7896	-0.115	0.038	0.095	0.146	244.564277	56.133635	456.55	-1459.73
6	GUIDE	508707432	9.05	7892	0.075	0.120	0.115	0.185	245.148479	56.043462	-582.96	-2093.53
7	GUIDE	508576792	9.05	7894	0.027	-0.094	0.083	0.128	244.272390	55.269176	-1395.29	1115.44

2.4 Star Slots

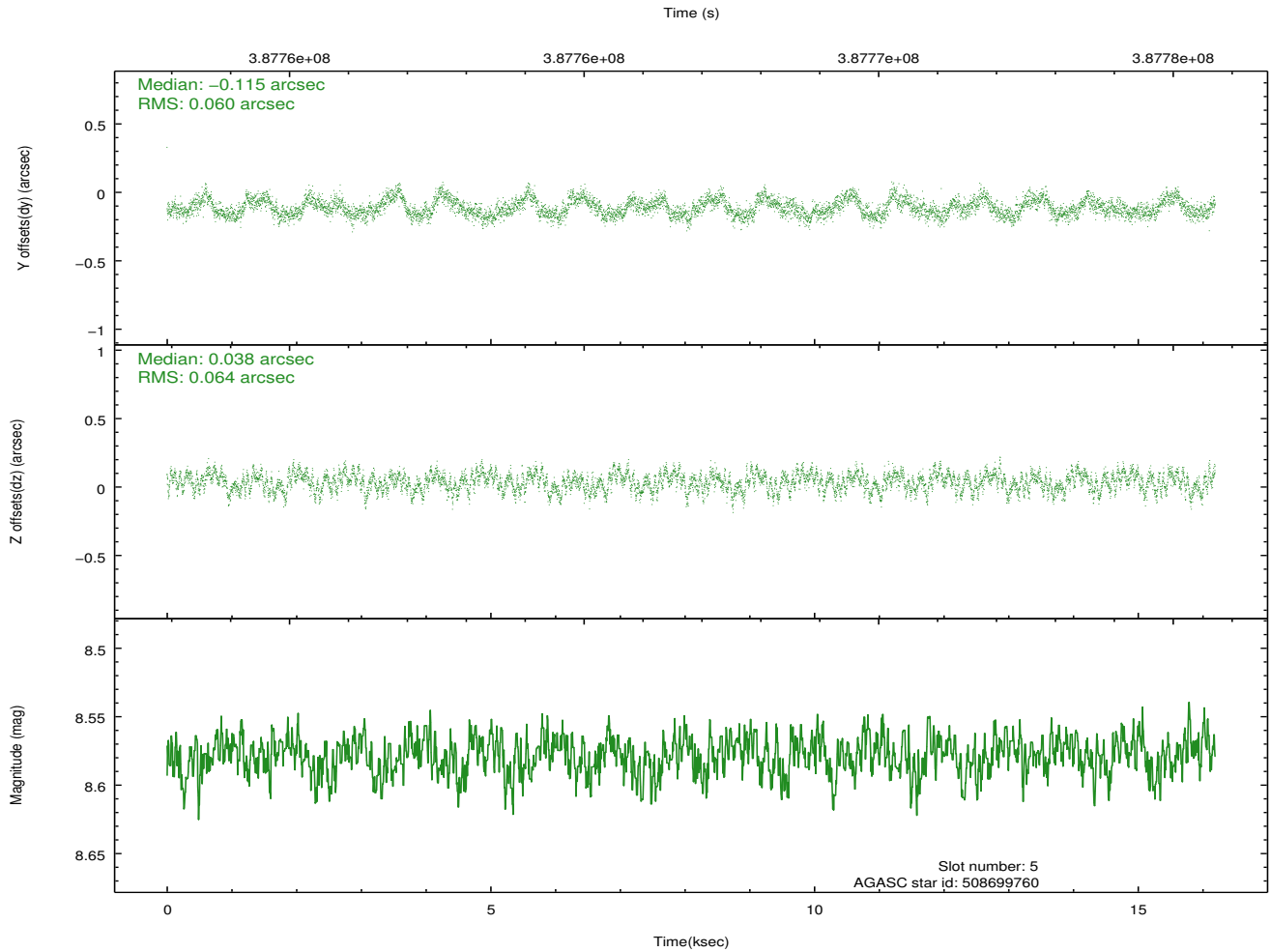
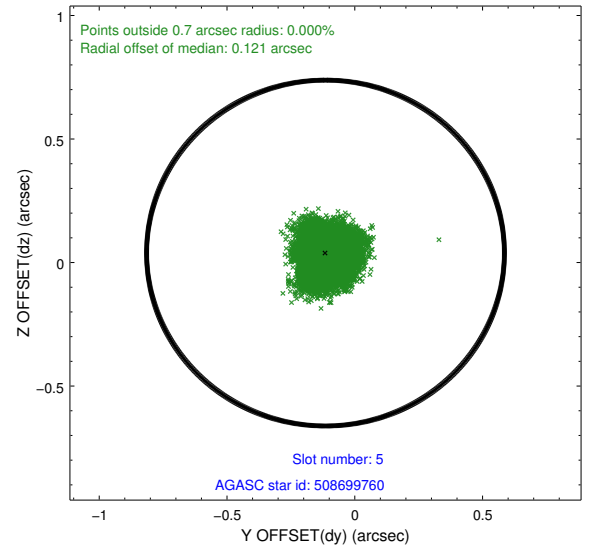
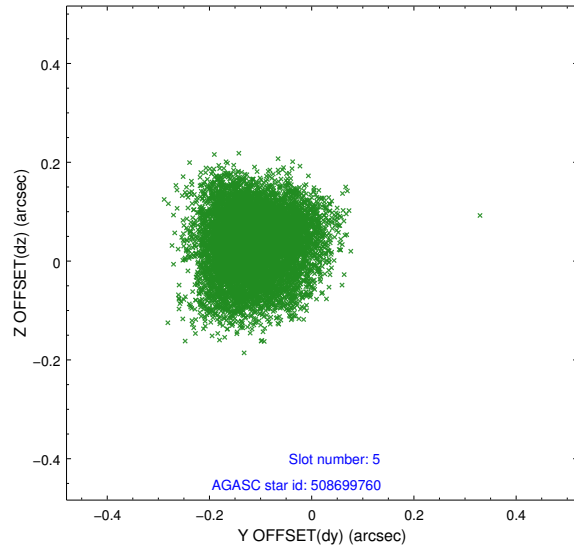
2.4.1 Slot 3



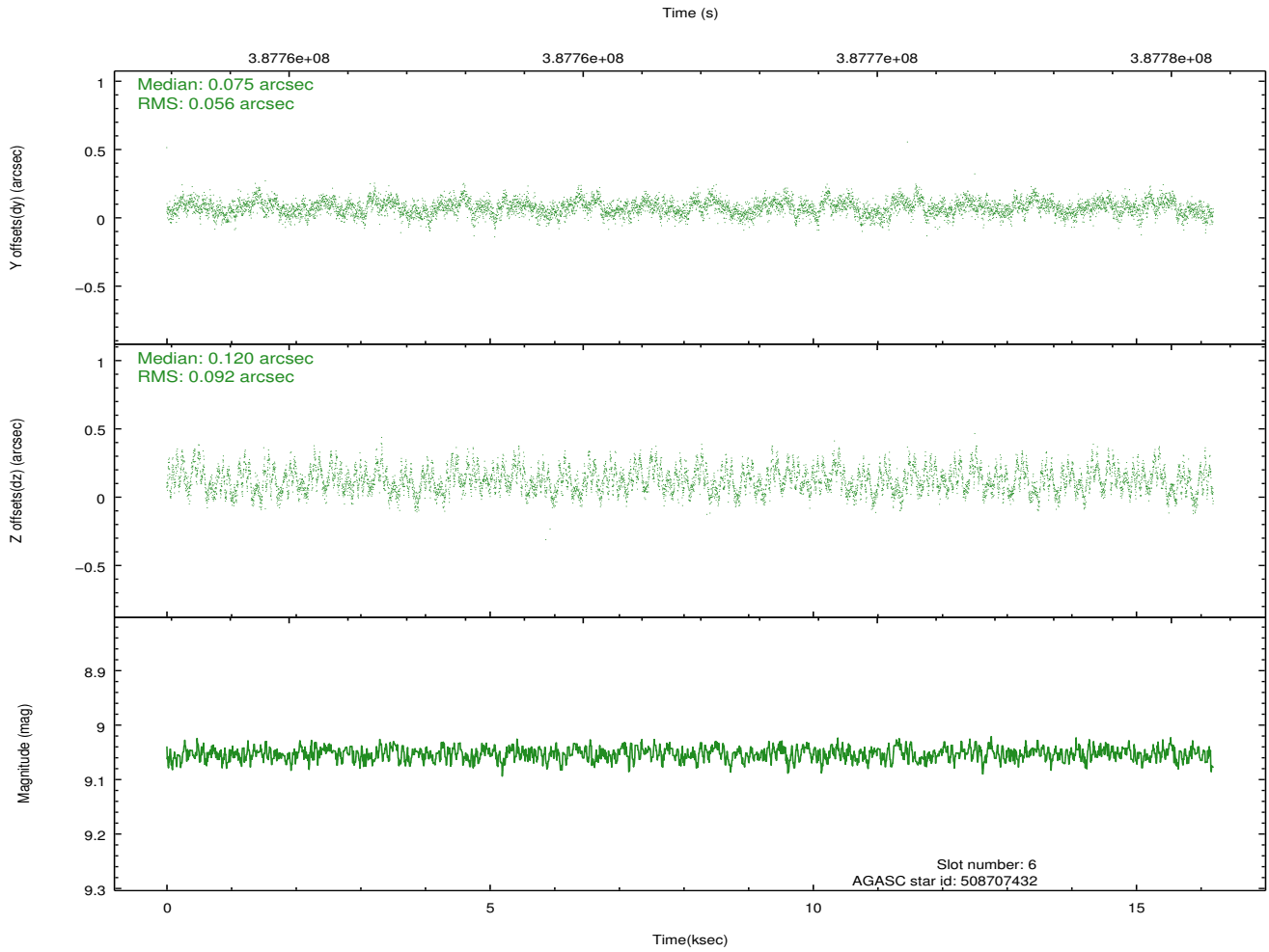
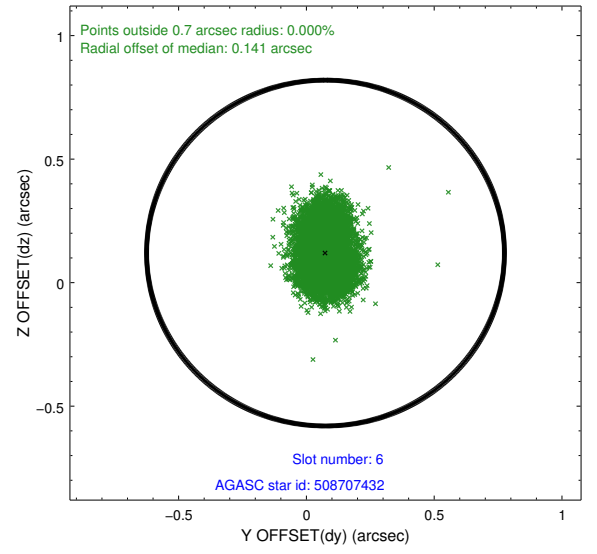
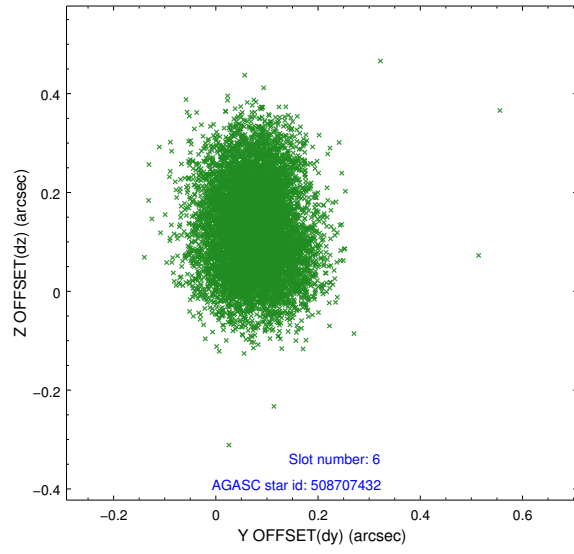
2.4.2 Slot 4



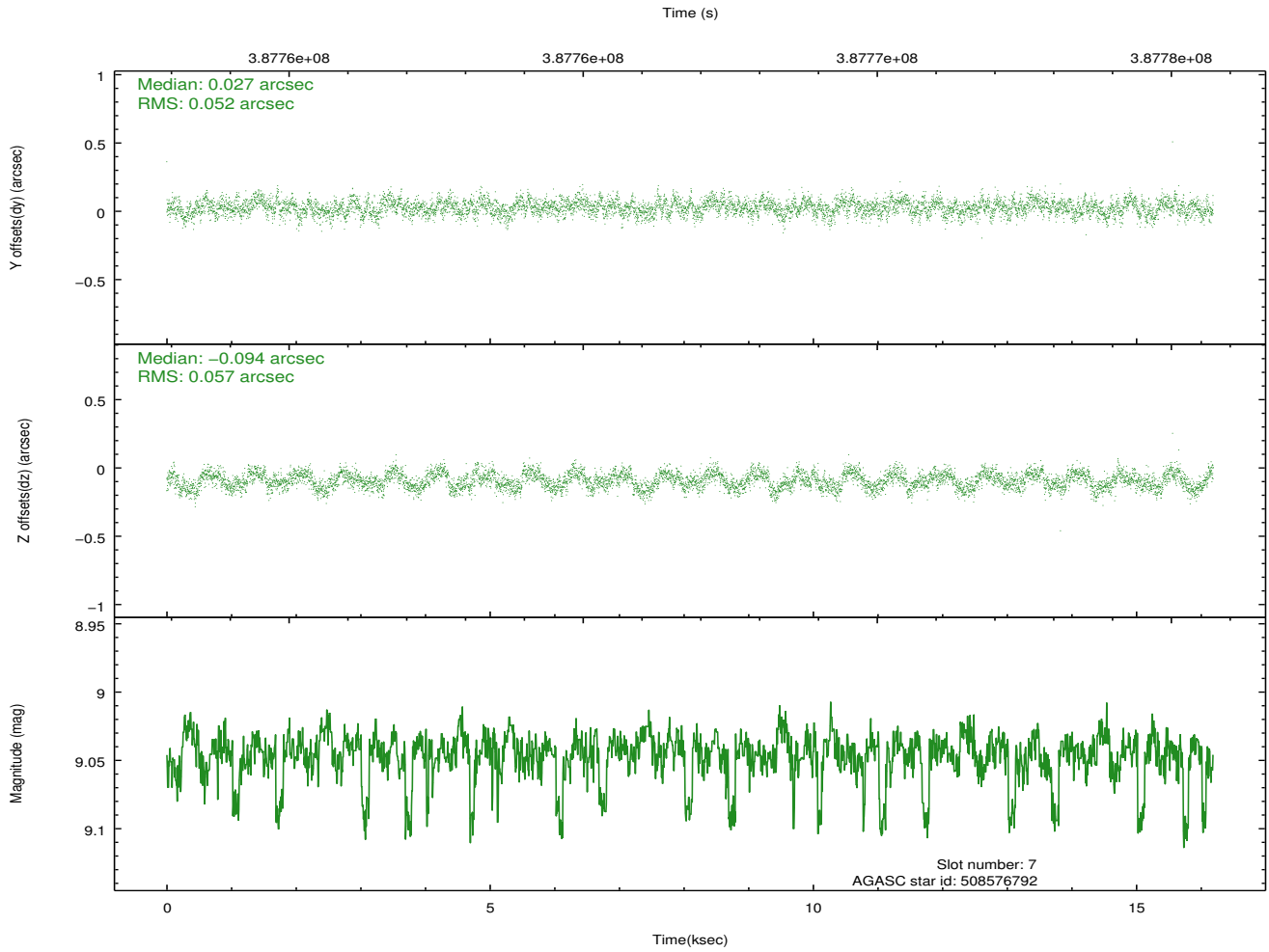
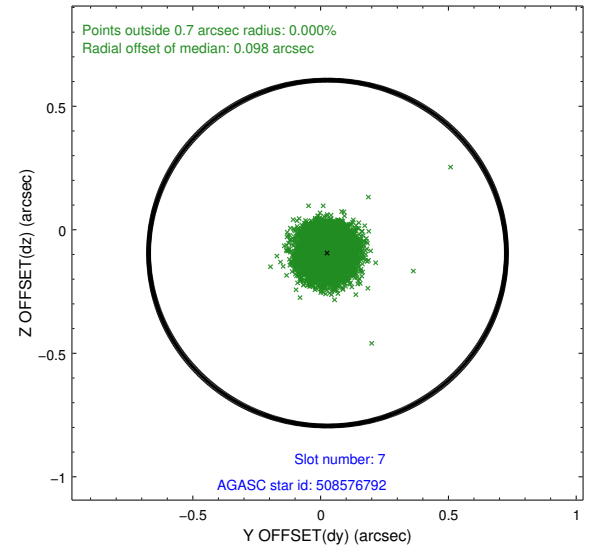
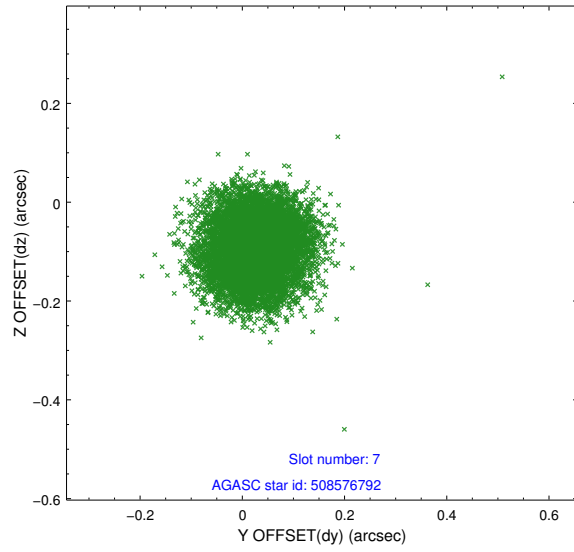
2.4.3 Slot 5



2.4.4 Slot 6

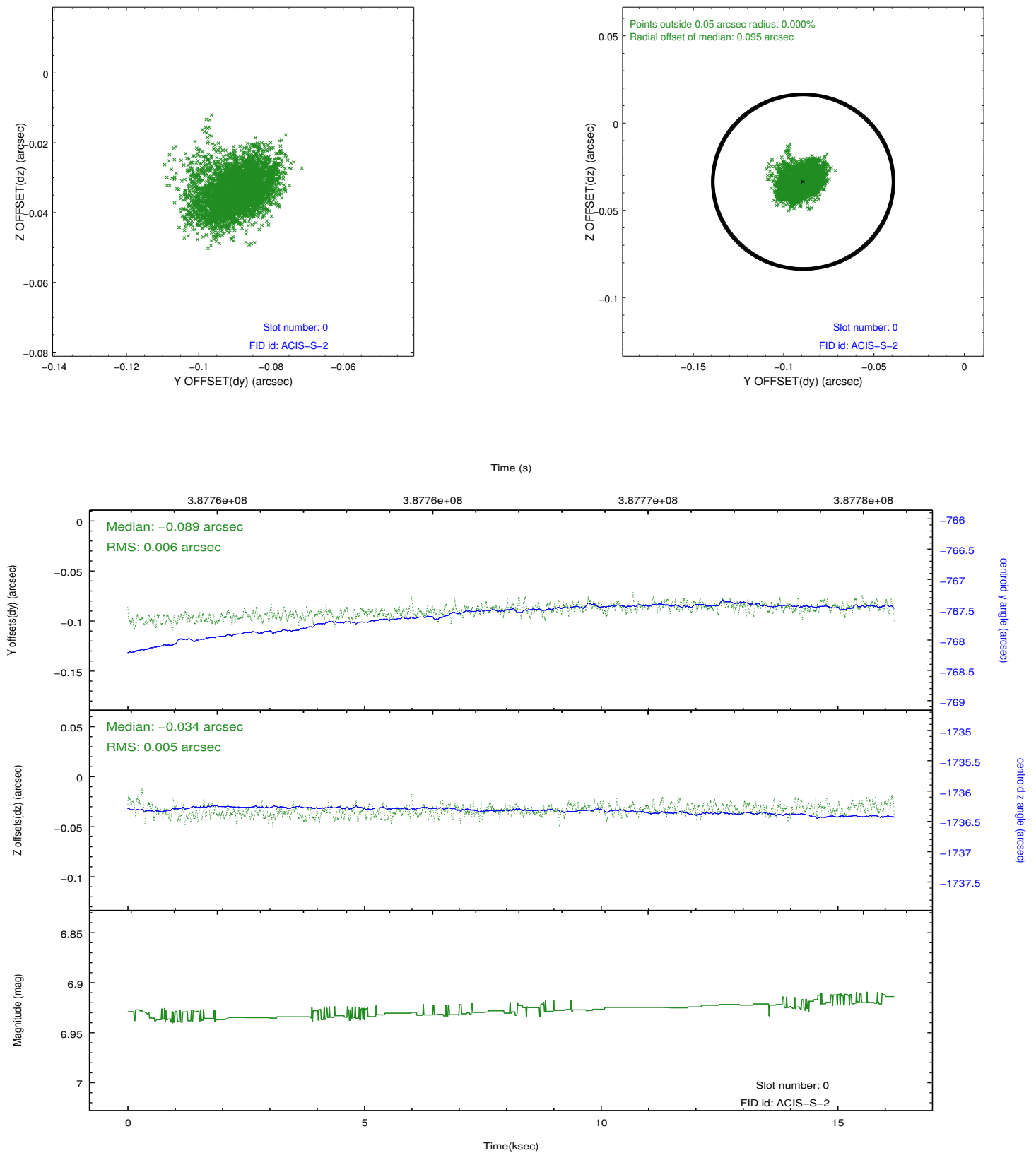


2.4.5 Slot 7

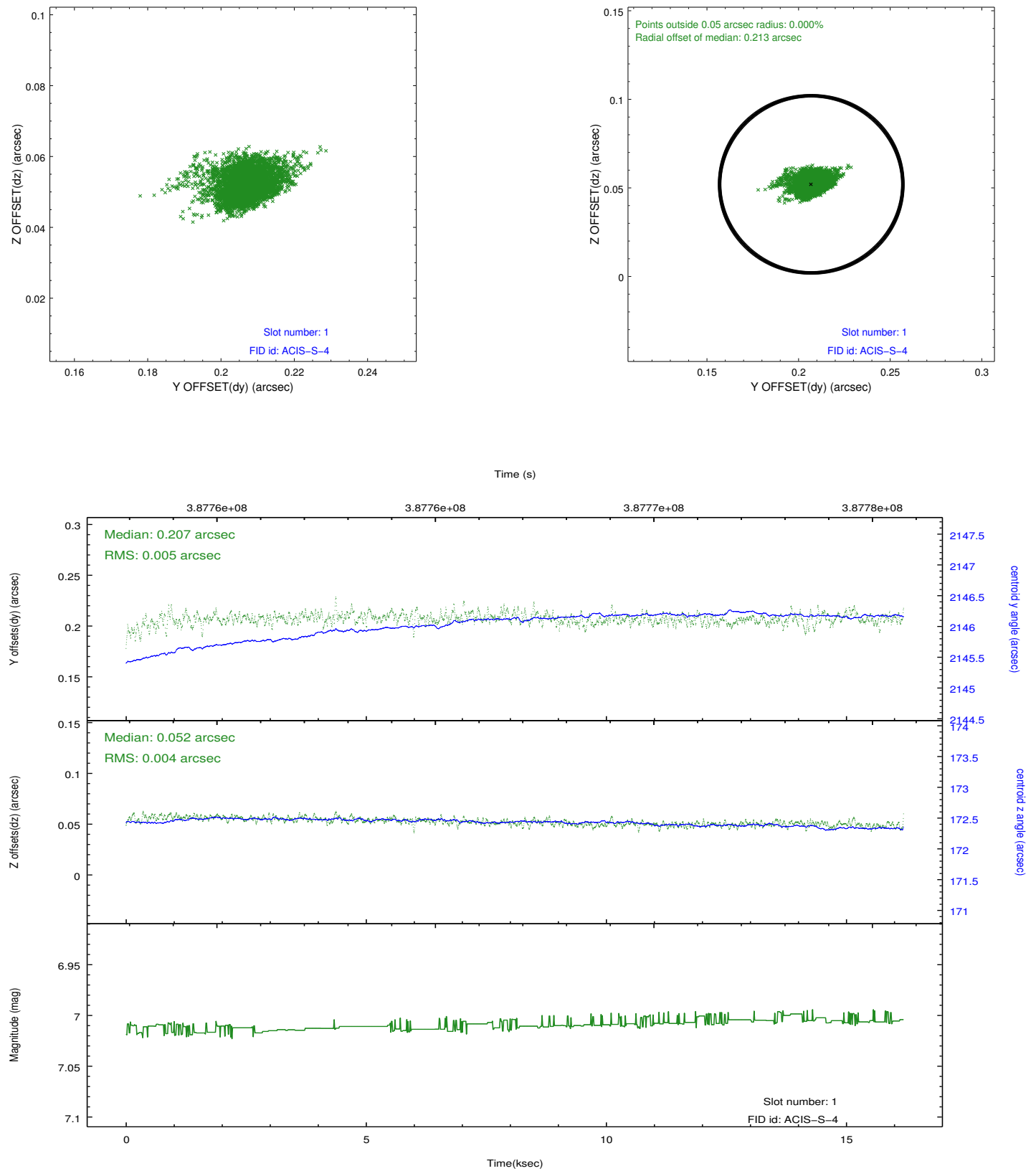


2.5 FID Slots

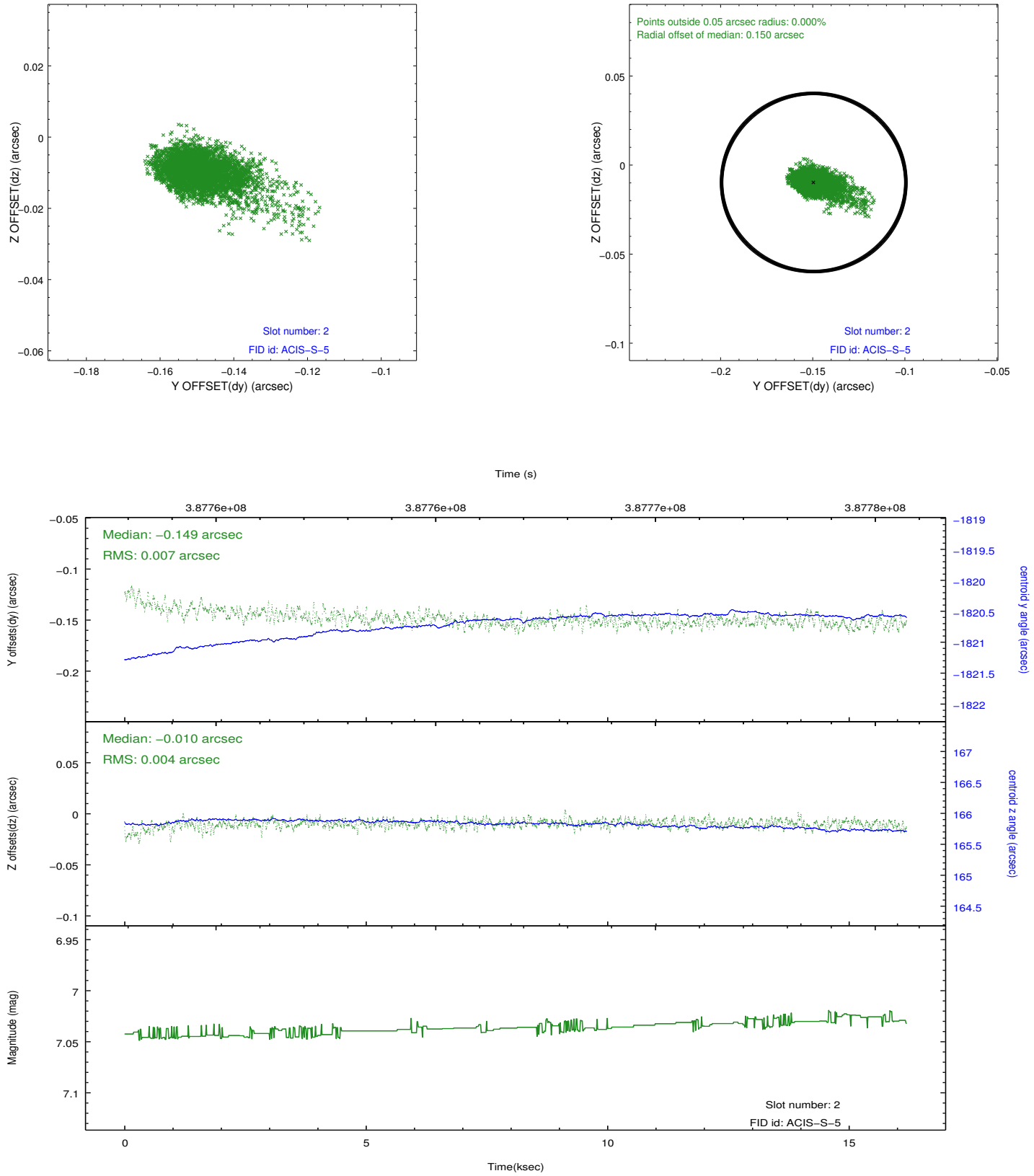
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.182000124454

A.2 Comments