

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4113 - L2 Version 3
Chandra X-Ray Center

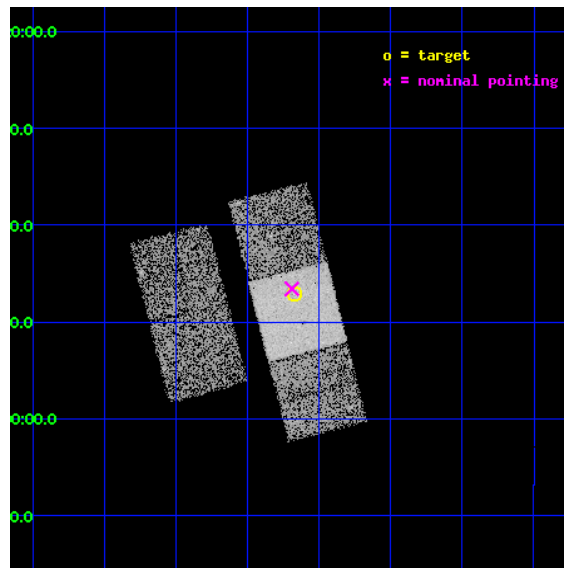
L2 Processing Date : Oct 22 2012

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1 Front

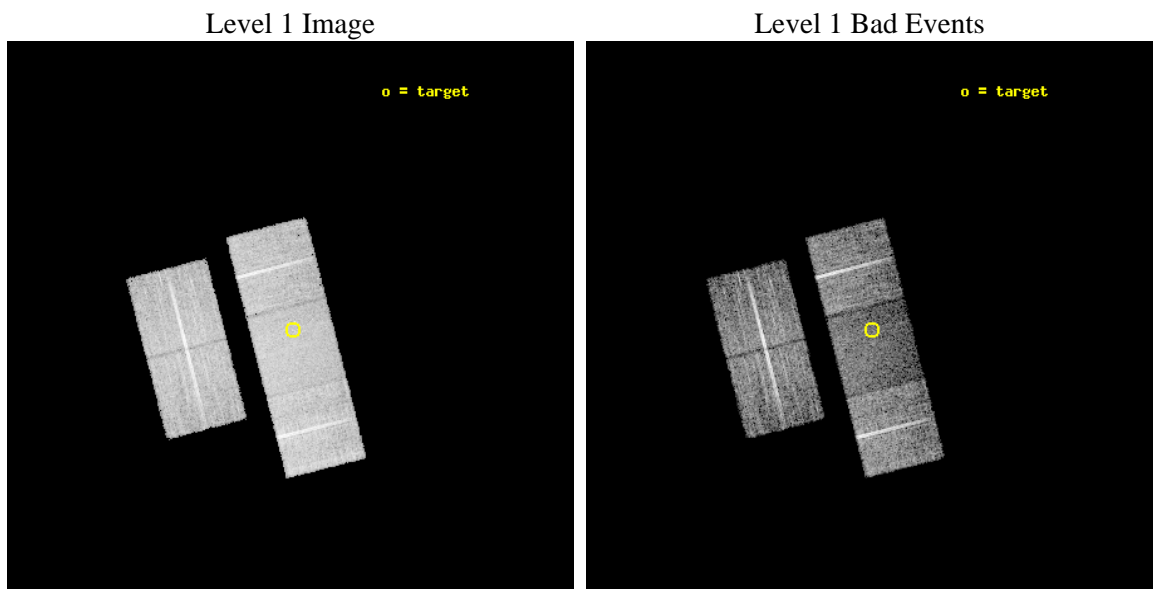
seq_num	700792	Sequence number
obs_id	4113	Observation id
title	THE X-RAY PROPERTIES OF ULTRALUMINOUS INFRARED GALAXIES (ULIGS)	Pr
observer	Professor Andrew Wilson	Principal investigator
object	F16090-0139	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.918333	Observer's specified target RA [deg]
dec_targ	-1.785139	Observer's specified target Dec [deg]
ra_nom	242.92236585448	Nominal RA [deg]
dec_nom	-1.7763501691009	Nominal Dec [deg]
roll_nom	75.657656304065	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9873.4999809861	Sum of GTIs [s]
livetime	9744.4954349696	Livetime [s]
ontime2	9873.4999809861	Sum of GTIs [s]
ontime3	9873.4999809861	Sum of GTIs [s]
ontime6	9873.4999809861	Sum of GTIs [s]
ontime7	9873.4999809861	Sum of GTIs [s]
ontime8	9867.218020618	Sum of GTIs [s]
l2events	45772	Number of level 2 events



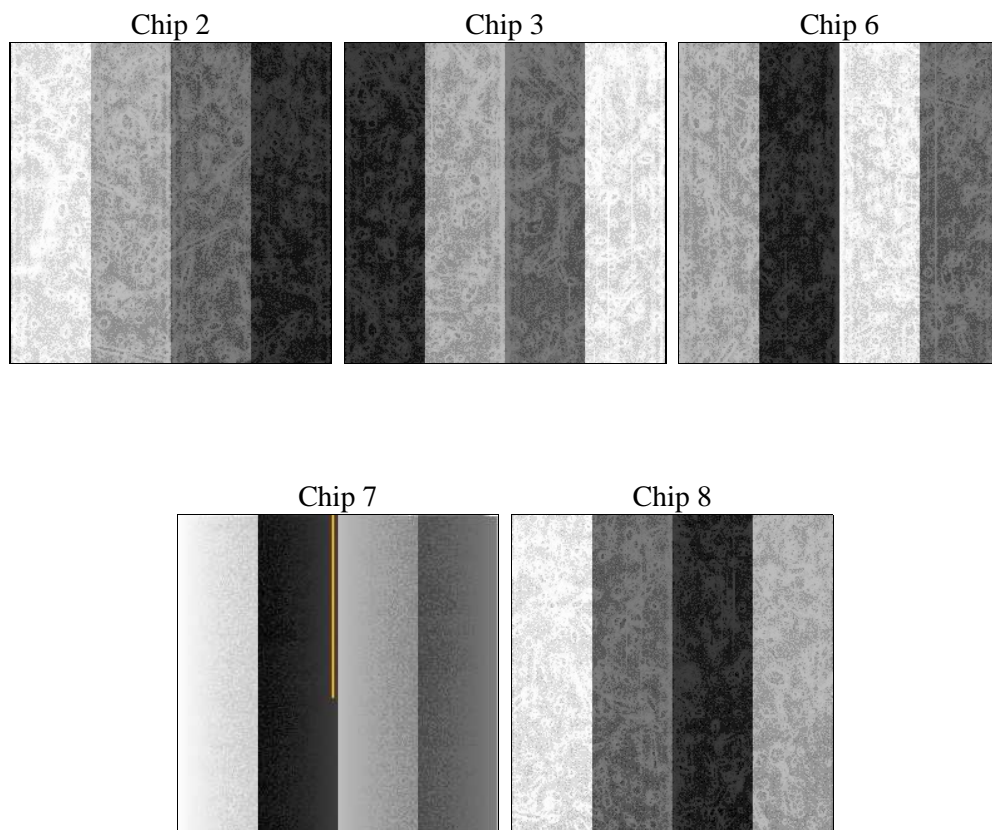
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9873.4999809861	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	9873.4999809861	Sum of GTIs [s]
date	2012-10-22T07:29:30	Date and time of file creation	ontime3	9873.4999809861	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	9873.4999809861	Sum of GTIs [s]
			ontime7	9873.4999809861	Sum of GTIs [s]
			ontime8	9867.218020618	Sum of GTIs [s]
			l1events	295533	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	55087	54177	55612	59199	71458
rejected events	49698	49221	49794	31906	55964
rejected %	90%	90%	89%	53%	78%

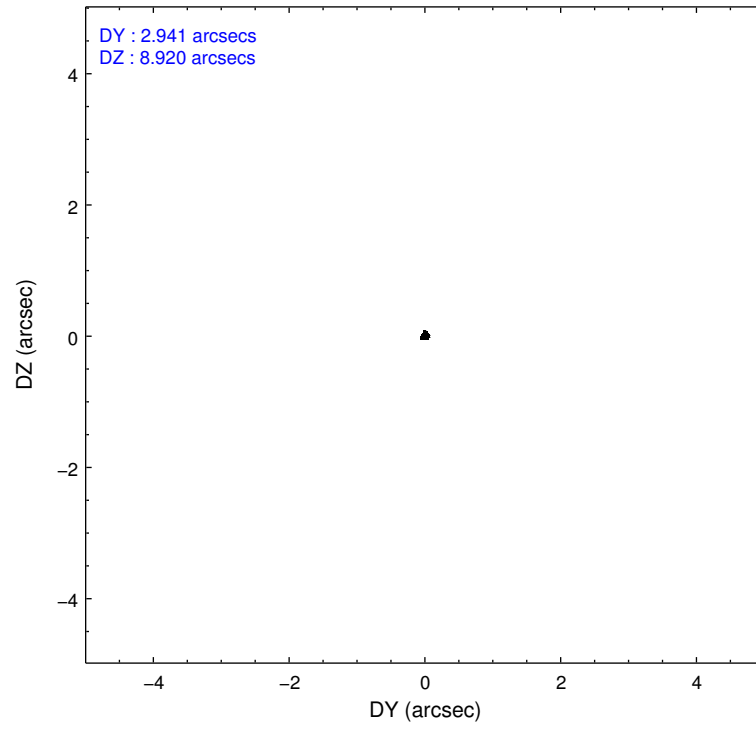
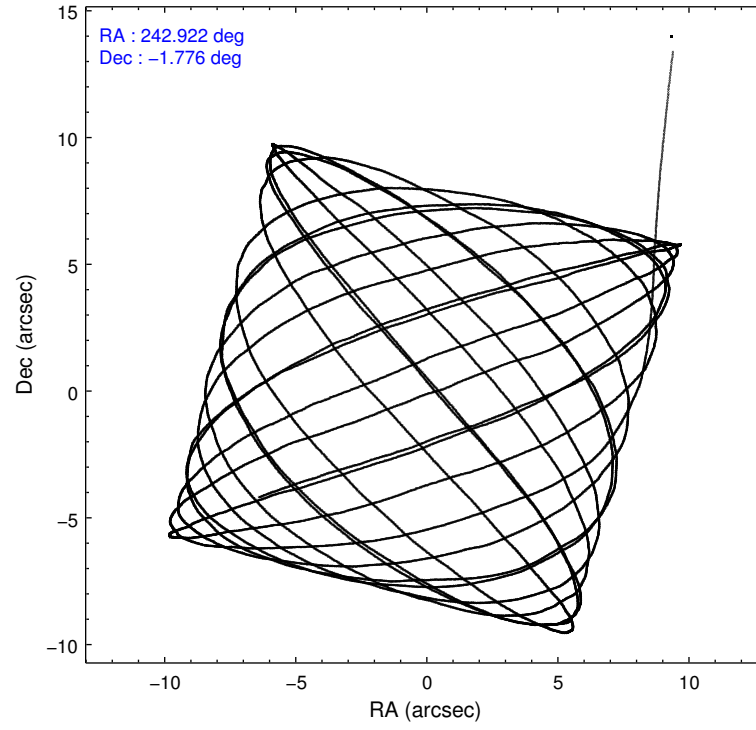
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1991	1739	2154	2658	4863
	3%	3%	3%	4%	6%
grade 1 events	21	24	28	45	46
	0%	0%	0%	0%	0%
grade 2 events	1258	1092	1255	5519	3363
	2%	2%	2%	9%	4%
grade 3 events	610	579	624	2656	1739
	1%	1%	1%	4%	2%
grade 4 events	603	591	613	2630	1607
	1%	1%	1%	4%	2%
grade 5 events	1700	2107	2145	6280	2954
	3%	3%	3%	10%	4%
grade 6 events	929	956	1173	13838	3924
	1%	1%	2%	23%	5%
grade 7 events	47975	47089	47620	25573	52962
	87%	86%	85%	43%	74%

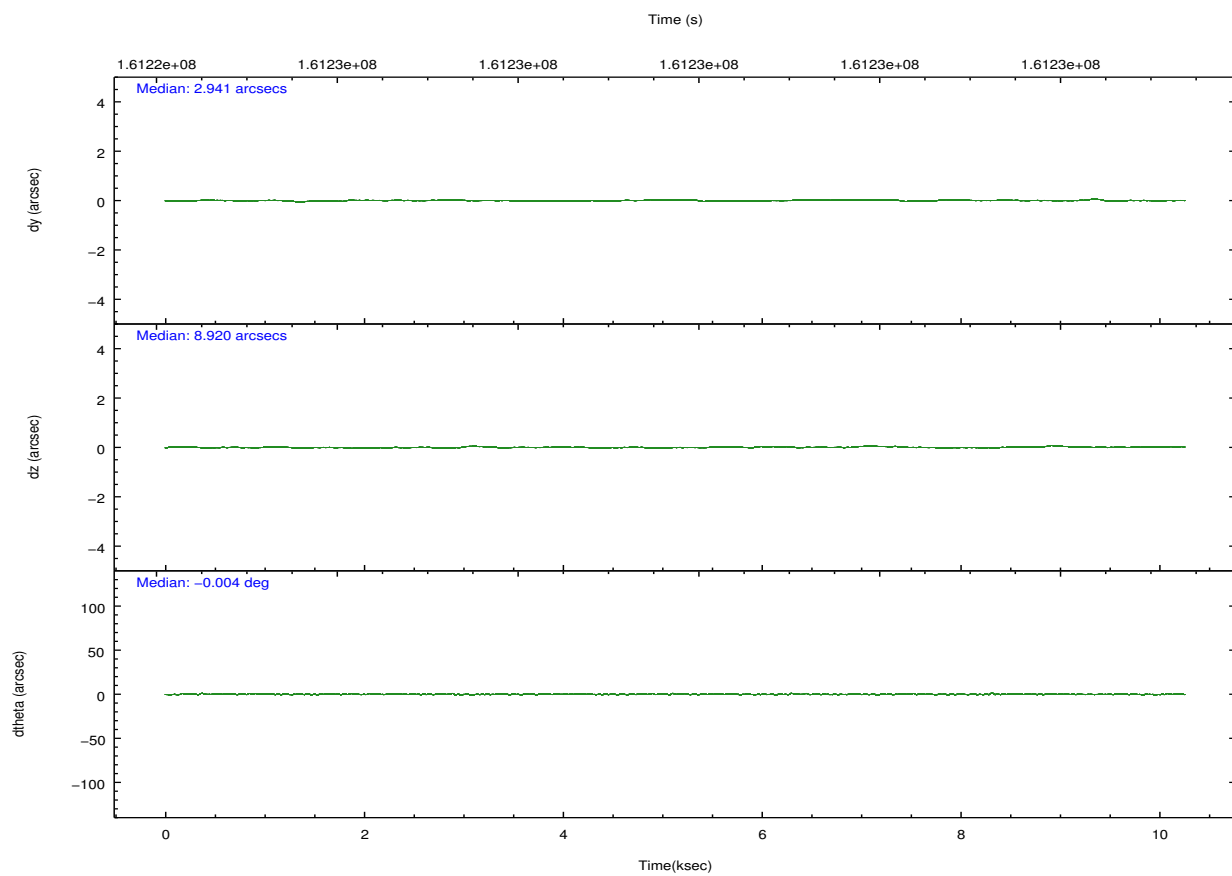
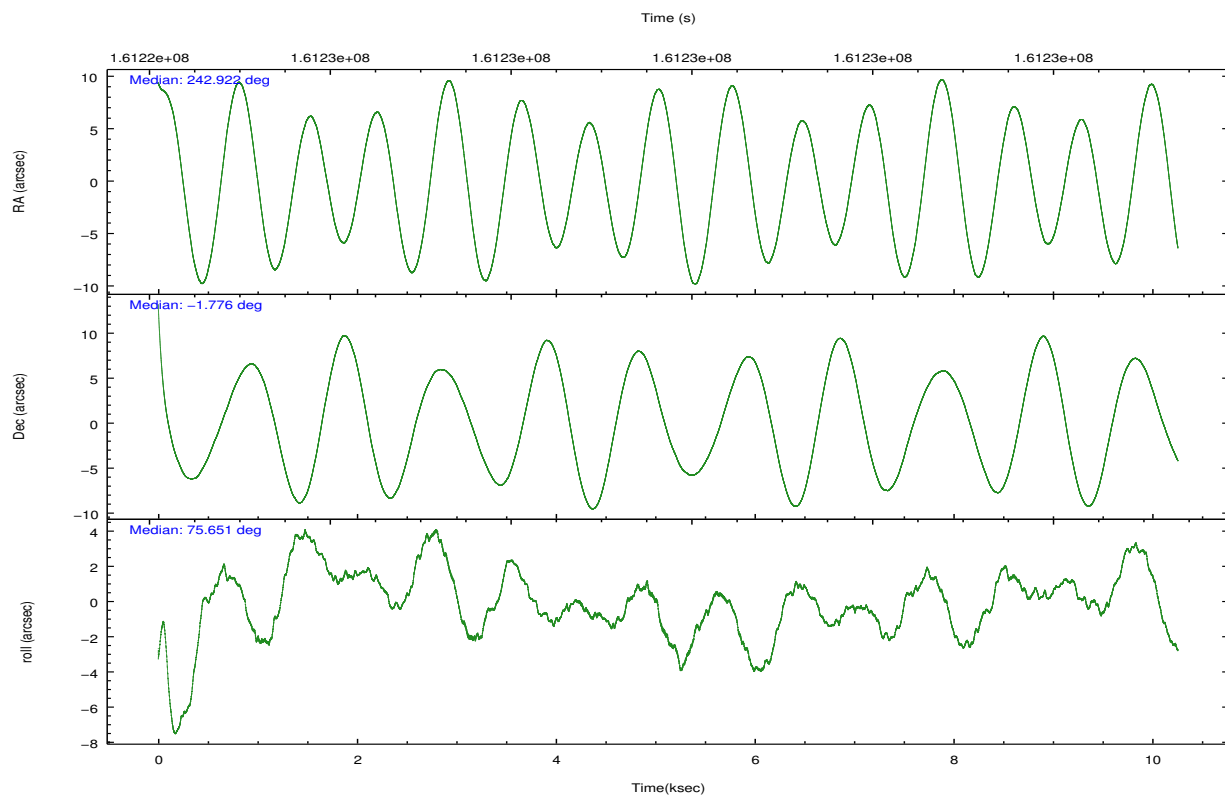
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23678	ACIS-23678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	242.930041	242.9223658544814
[deg] Pointing Dec	-1.802457	-1.776350169100923
[deg] Pointing Roll	75.501263	75.6576563040652
[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)	161224760.184000	161223778.0746
Observation start date	2003-02-10T00:38:16	2003-02-10T00:22:58
[s] Observation end time (MET)	161234860.184000	161235722.4001
Observation end date	2003-02-10T03:26:36	2003-02-10T03:42:02
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	3.1

2.3 Aspect



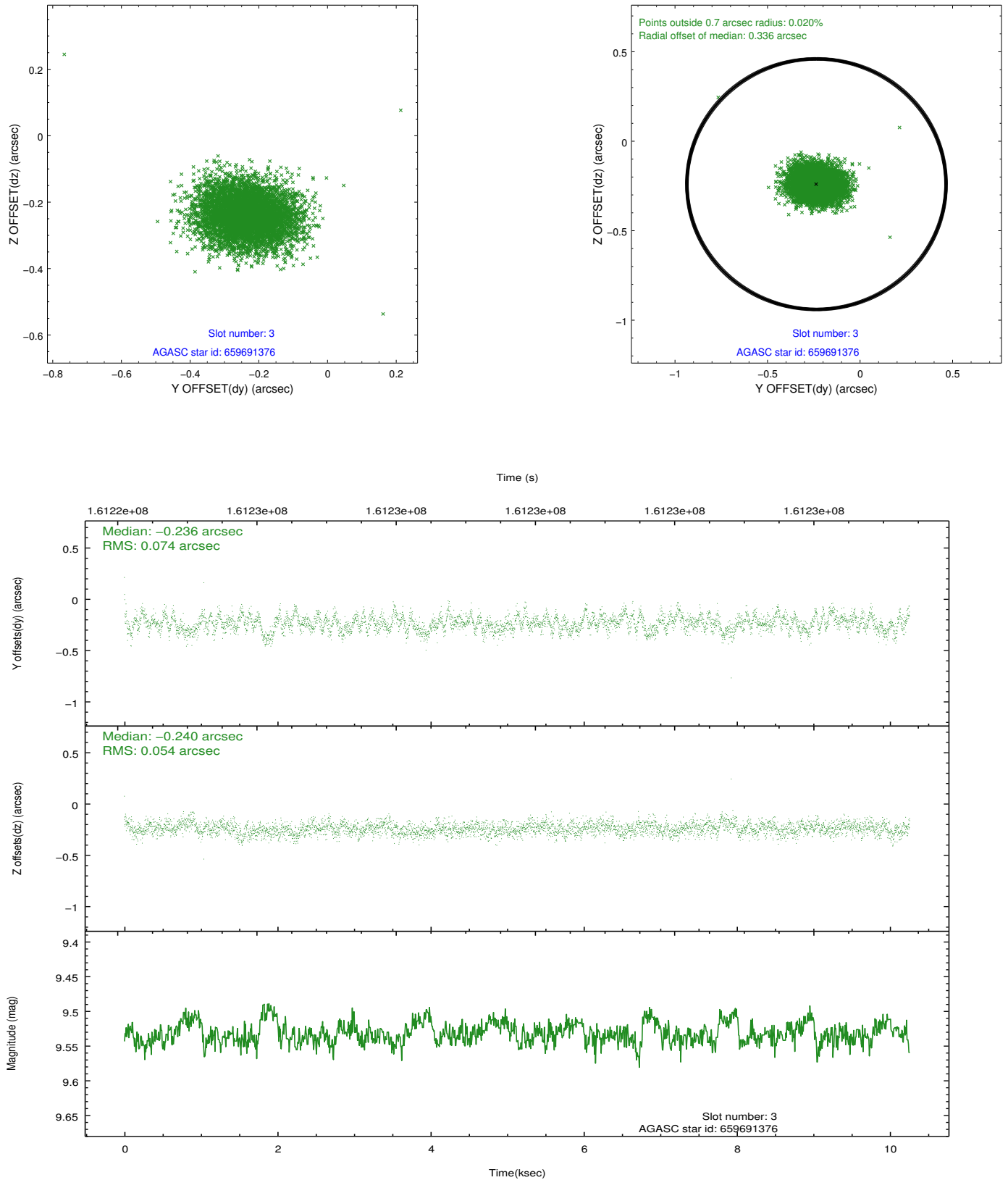


Slot Statistics

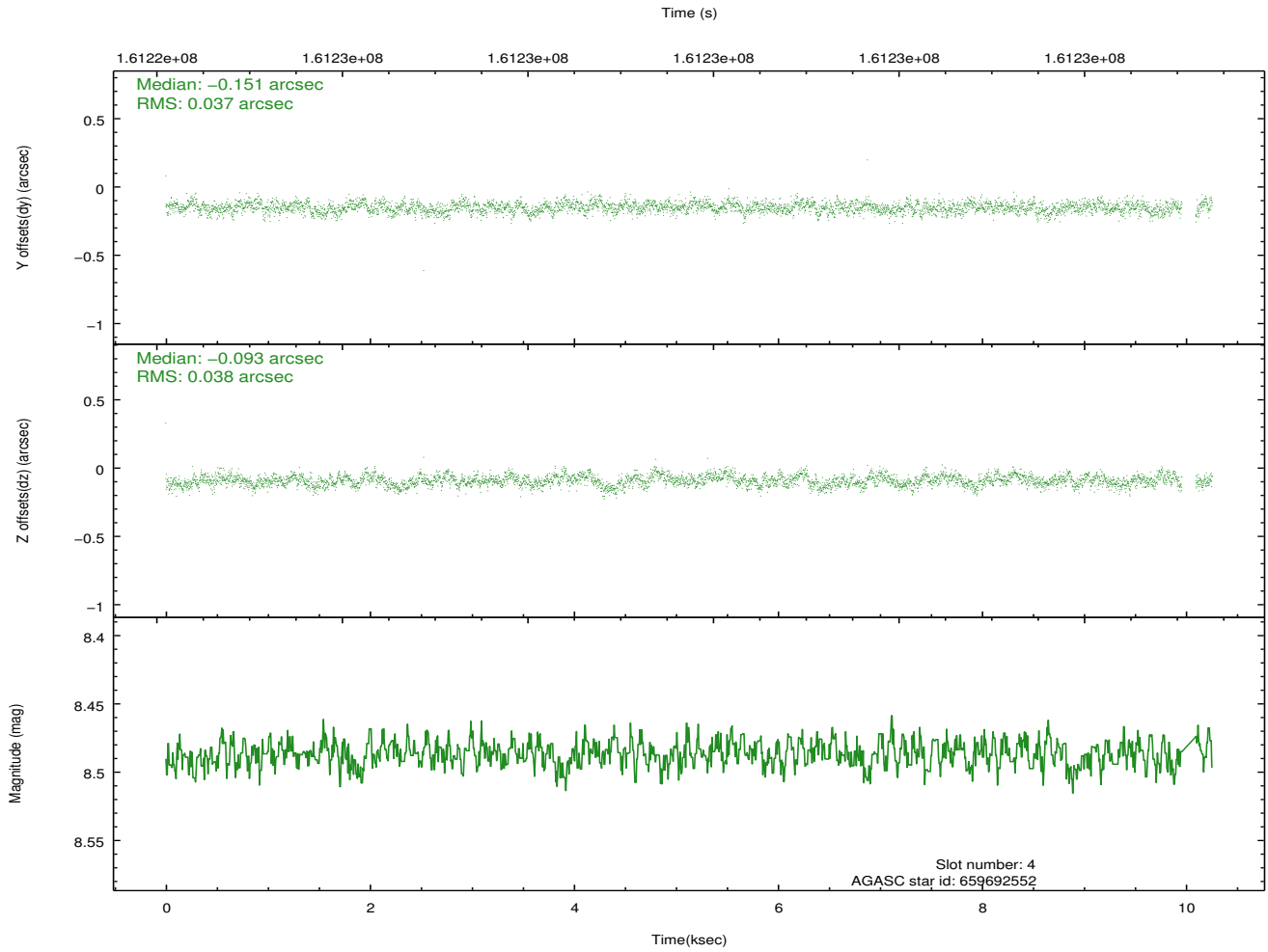
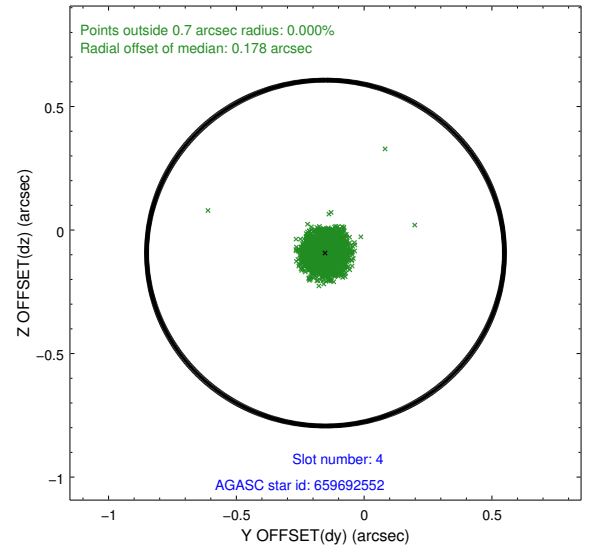
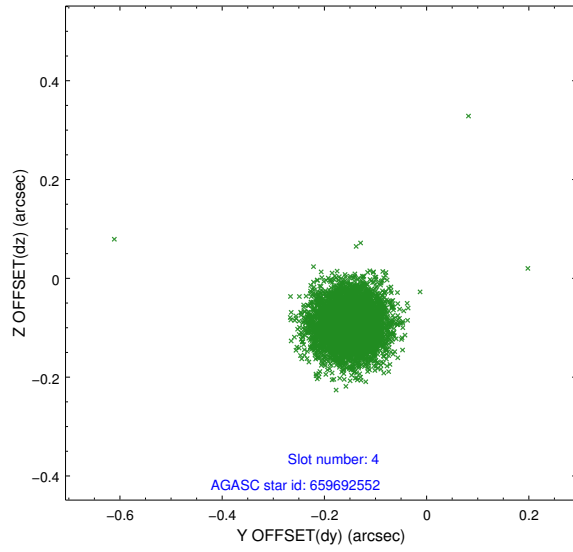
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2502	-0.030	-0.017	0.007	0.011	0.000000	0.000000	-755.60	-1730.16
1	FID	ACIS-S-4	7.20	2502	0.011	0.019	0.005	0.010	0.000000	0.000000	2157.47	177.85
2	FID	ACIS-S-5	7.24	2502	-0.013	0.007	0.006	0.011	0.000000	0.000000	-1807.78	172.06
3	GUIDE	659691376	9.53	4999	-0.236	-0.240	0.097	0.160	242.510650	-1.124902	1983.26	2072.31
4	GUIDE	659692552	8.49	4939	-0.151	-0.093	0.055	0.090	242.783252	-1.114160	2266.63	1132.67
5	GUIDE	660210240	9.33	5003	0.180	0.206	0.088	0.142	243.323915	-2.227406	-1125.49	-1754.38
6	GUIDE	660210816	8.82	5005	0.193	-0.056	0.072	0.117	242.610370	-2.064751	-1202.07	876.73
7	GUIDE	660212896	9.34	5002	0.013	0.184	0.096	0.161	243.504085	-1.927880	79.87	-2112.23

2.4 Star Slots

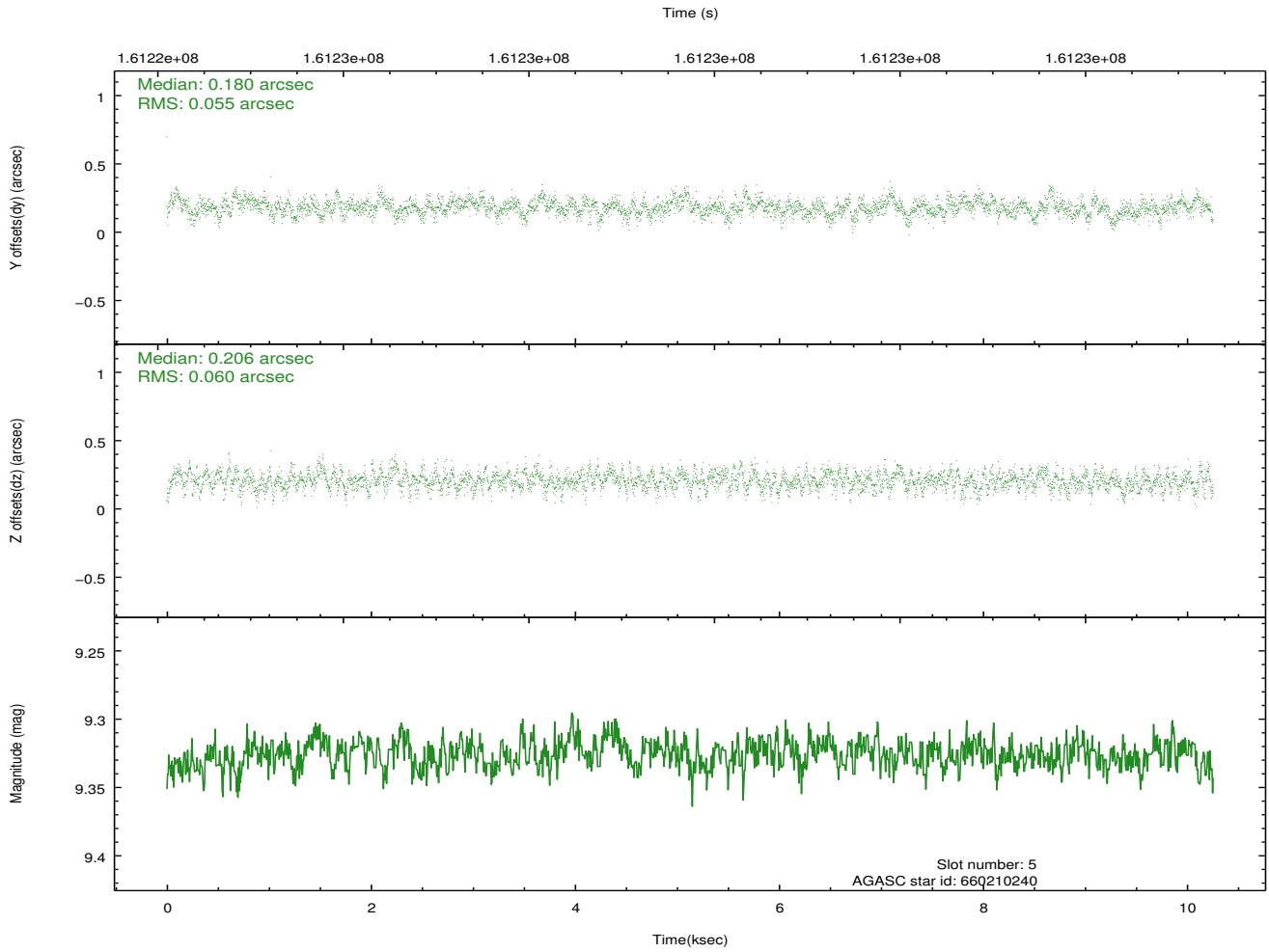
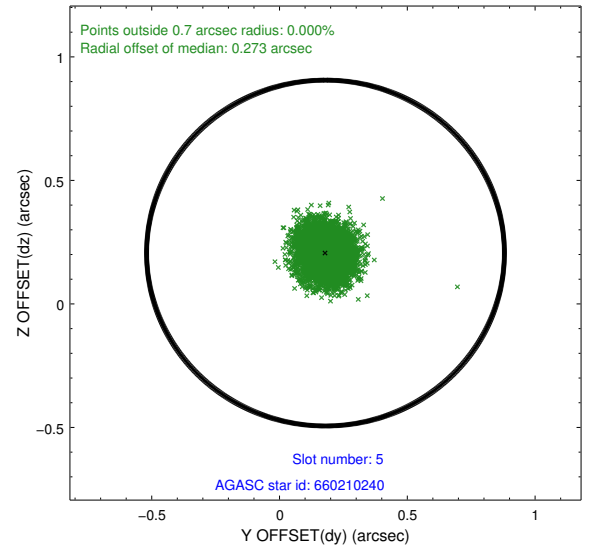
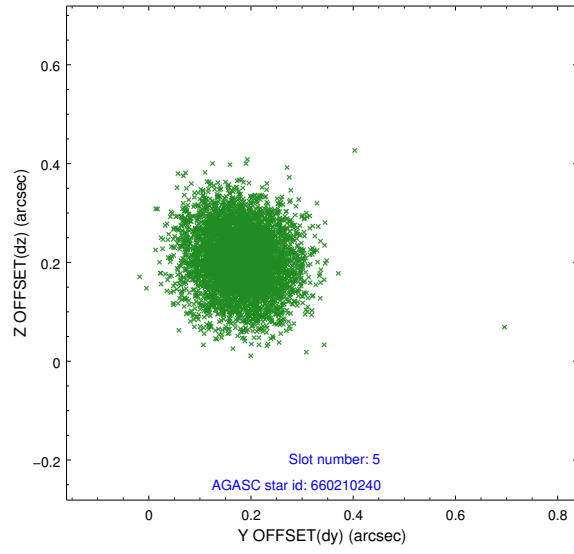
2.4.1 Slot 3



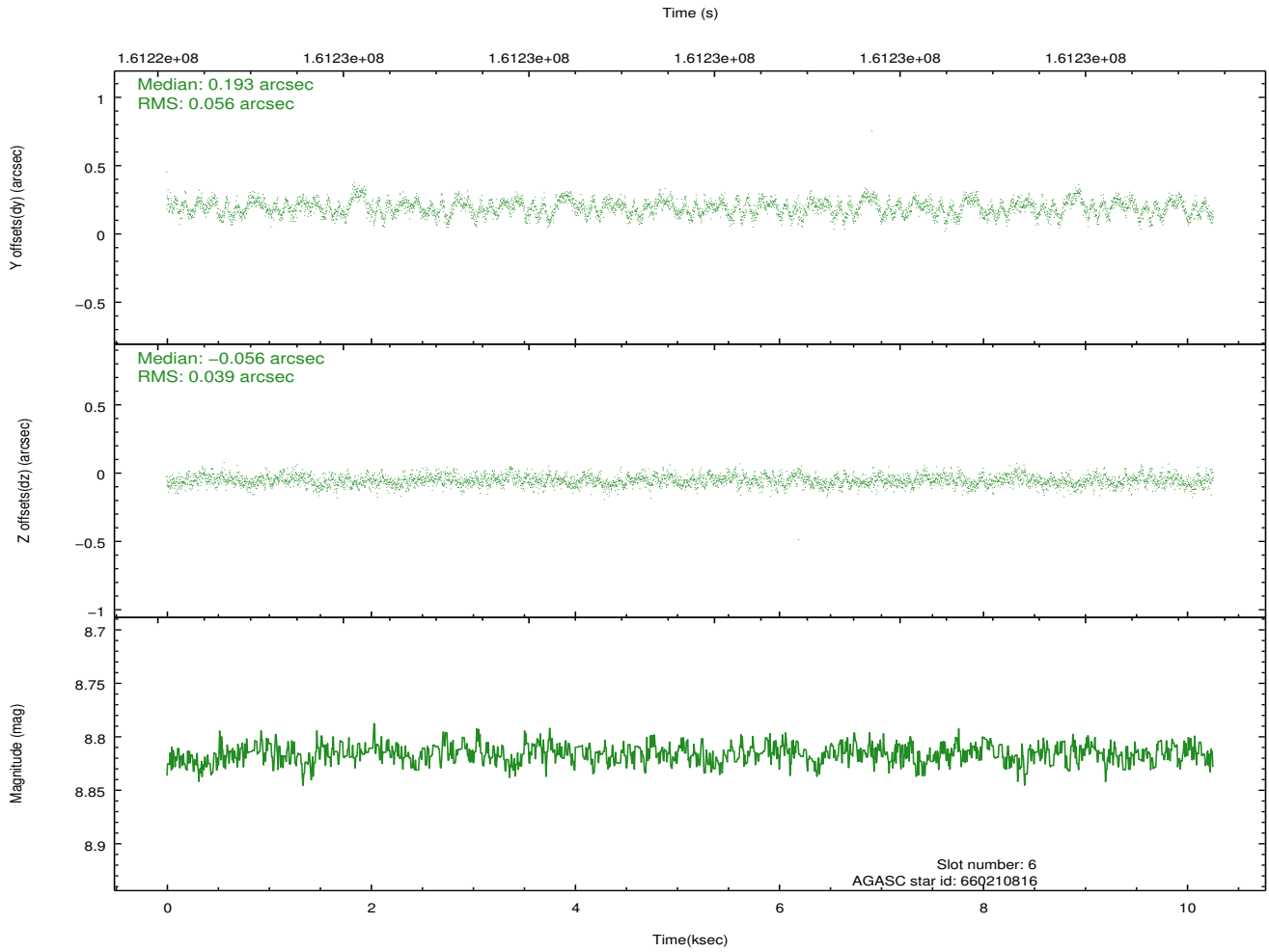
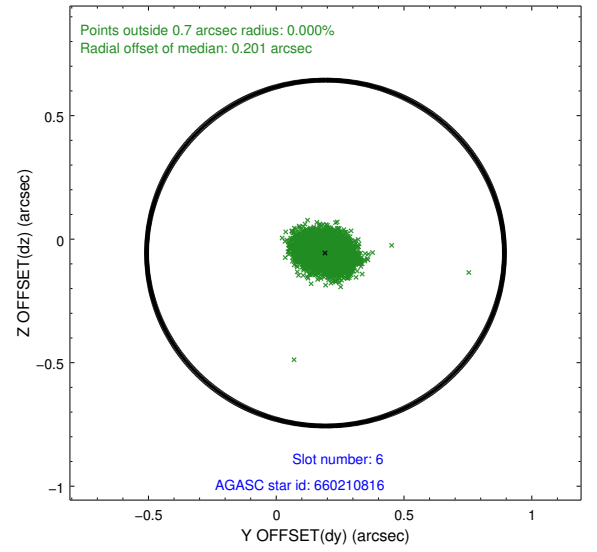
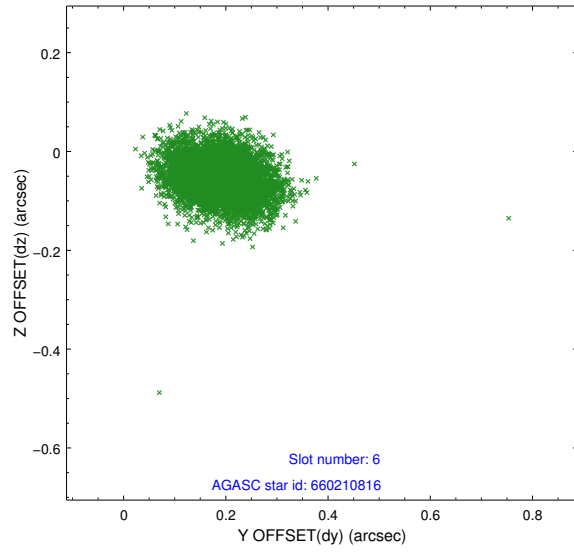
2.4.2 Slot 4



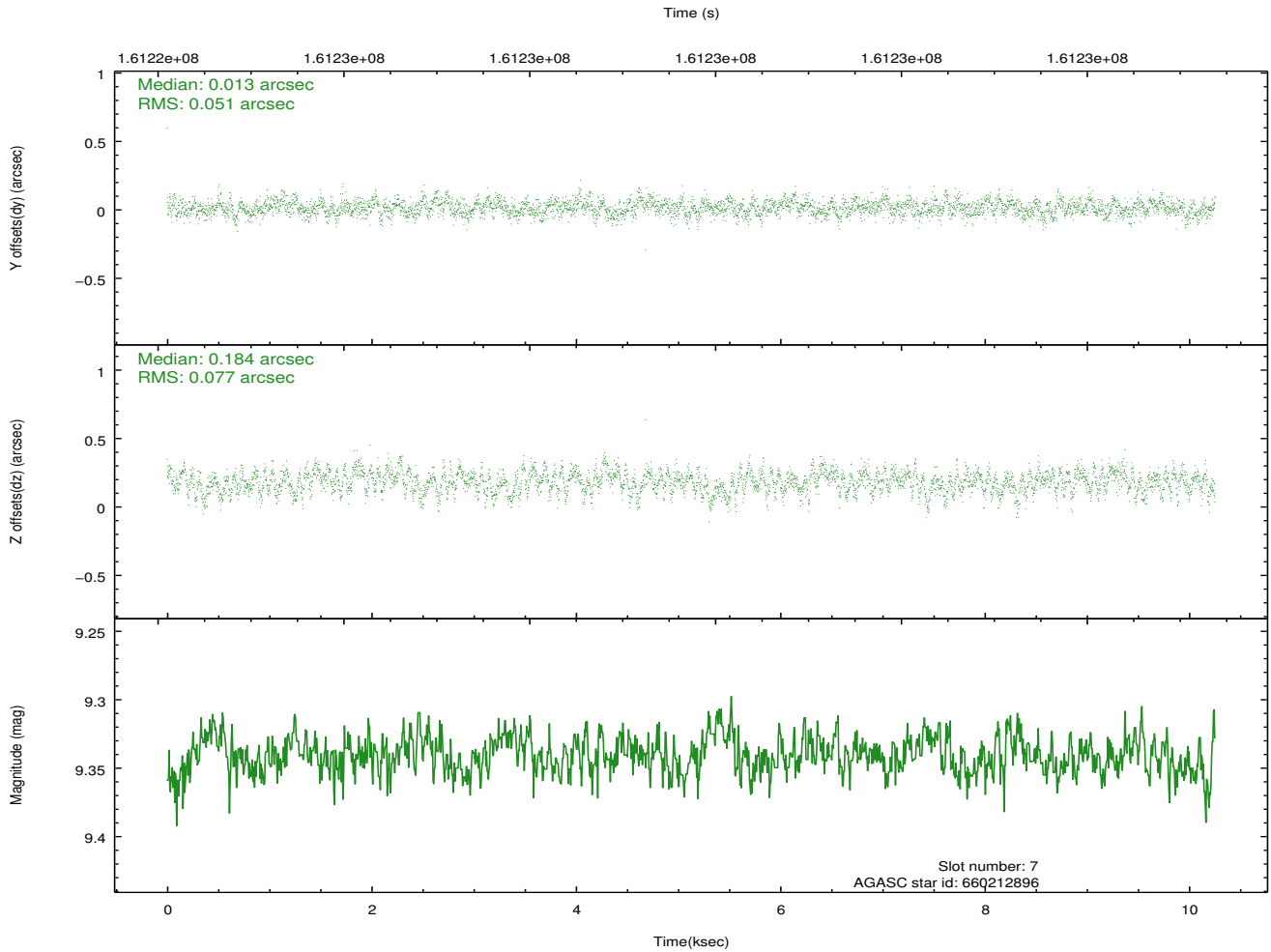
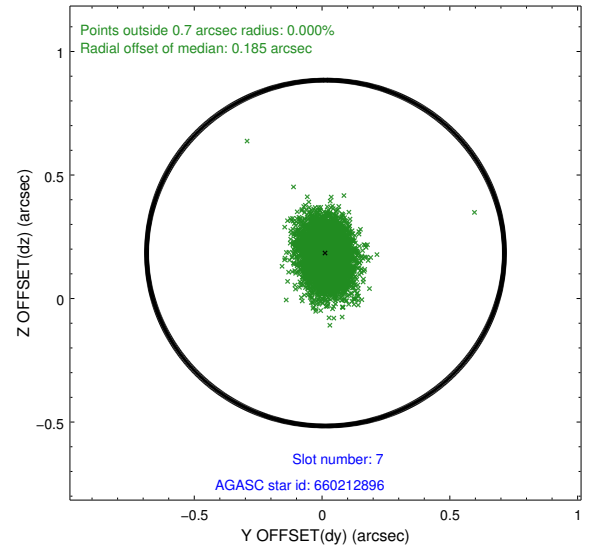
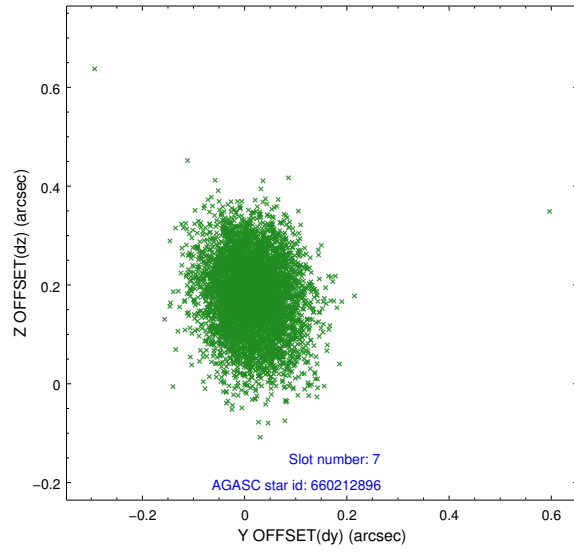
2.4.3 Slot 5



2.4.4 Slot 6

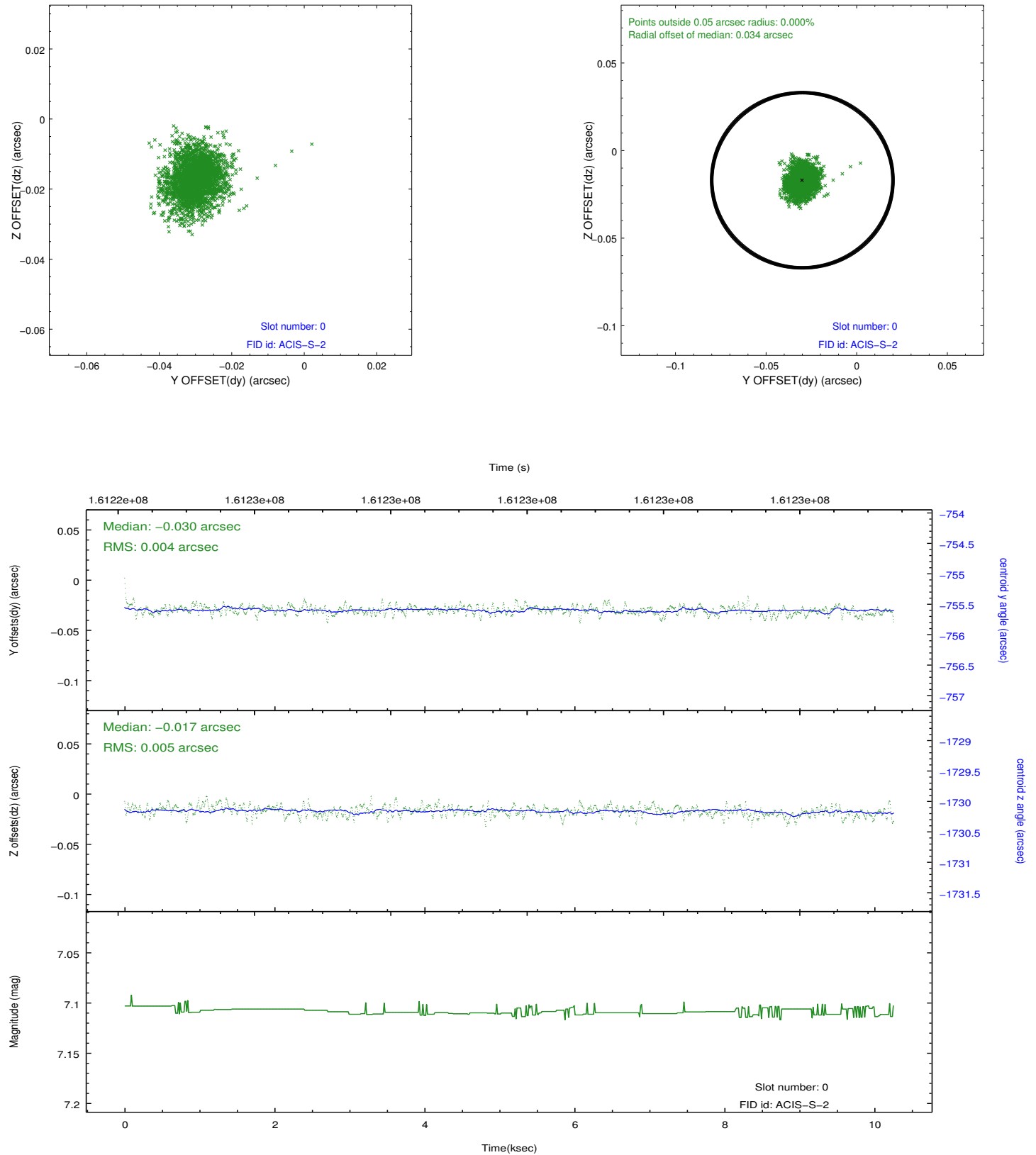


2.4.5 Slot 7

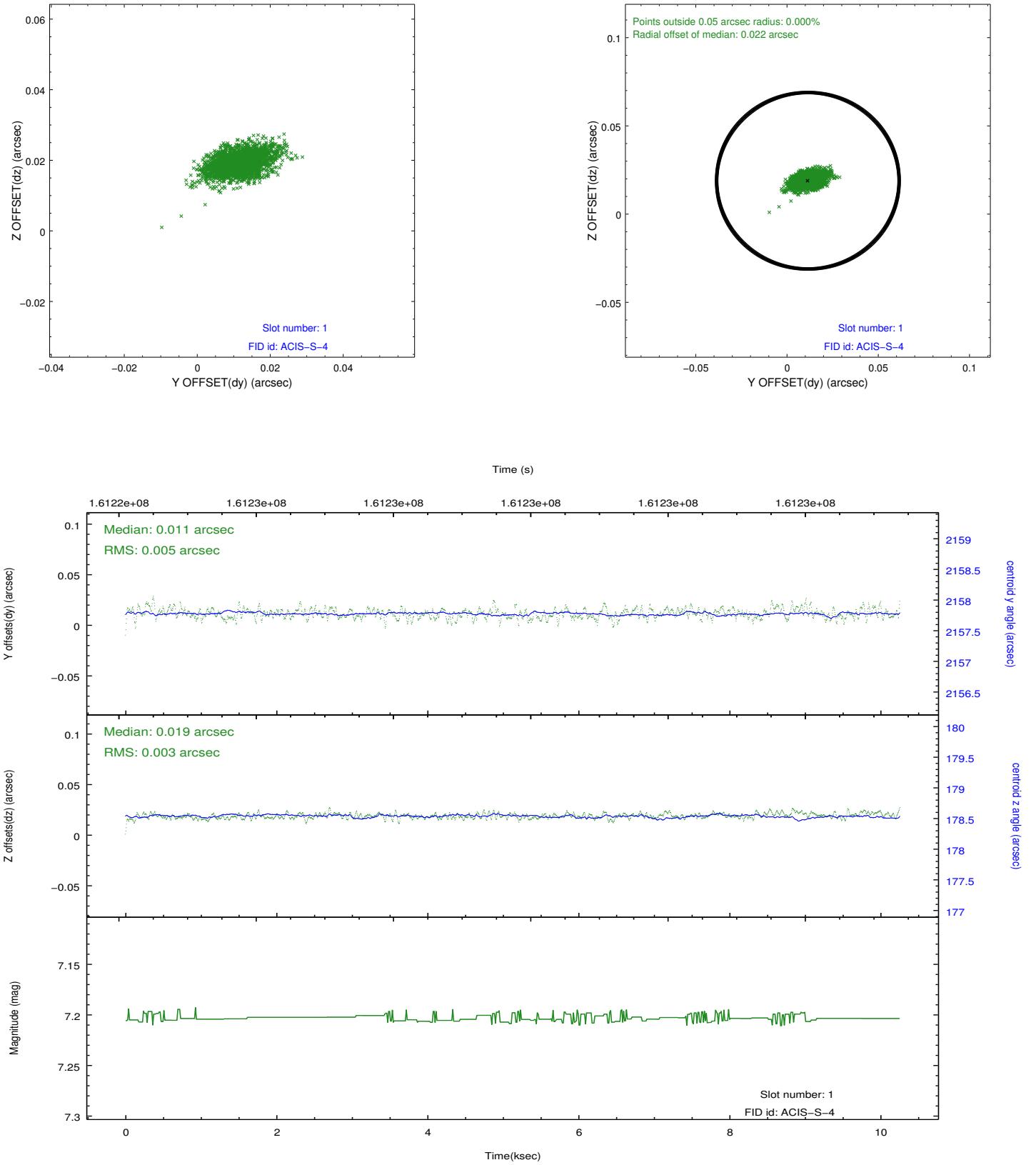


2.5 FID Slots

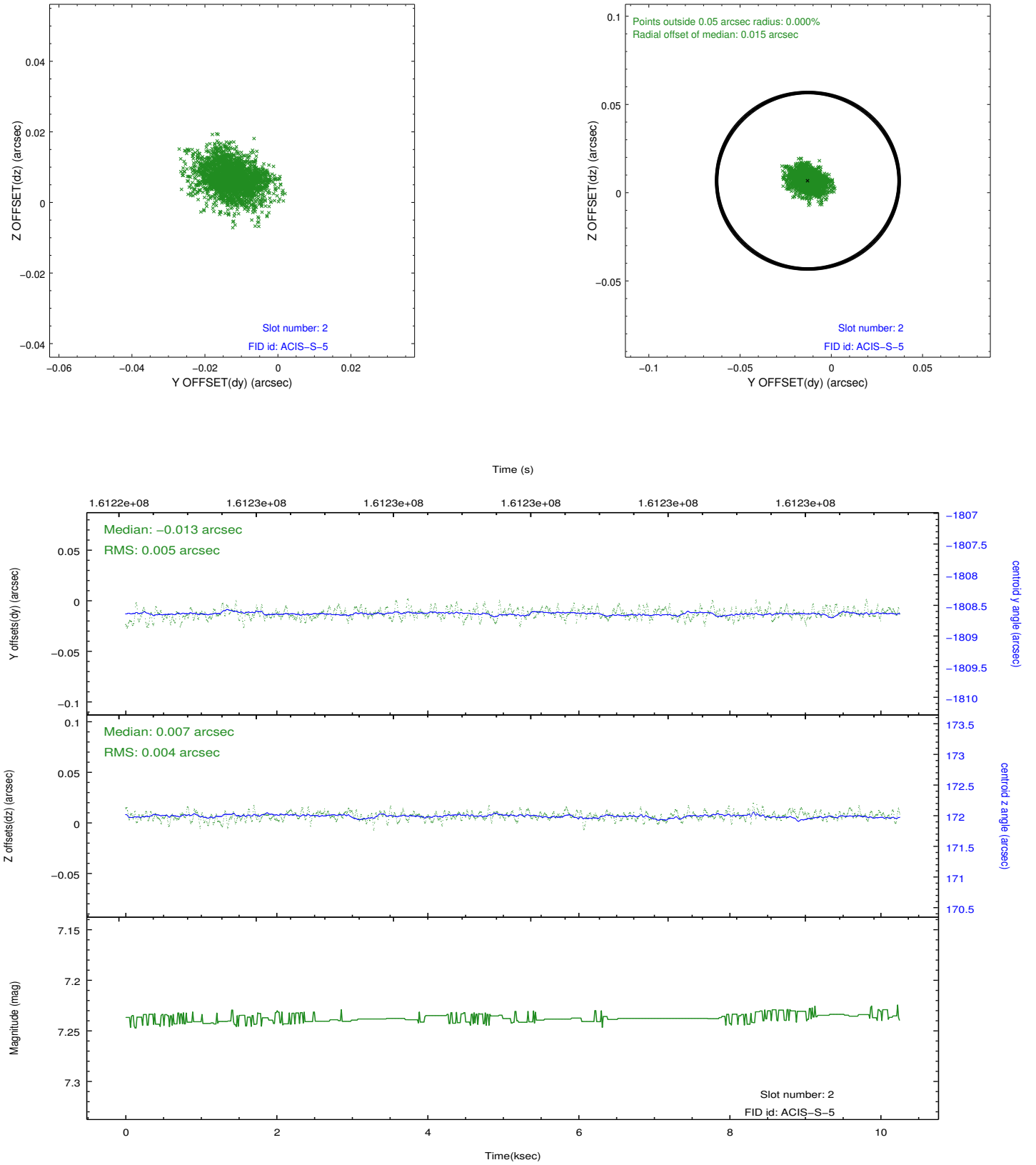
2.5.1 Slot 0



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)	2012.11.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.876

A.2 Comments