

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1640 - L2 Version 3
Chandra X-Ray Center

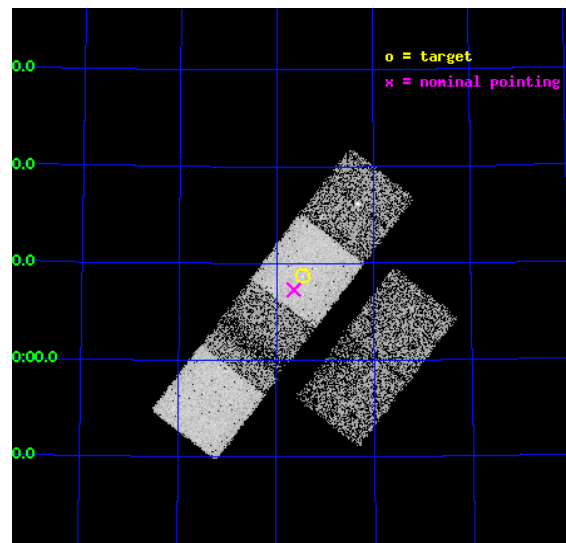
L2 Processing Date : Sep 2 2012

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1 Front

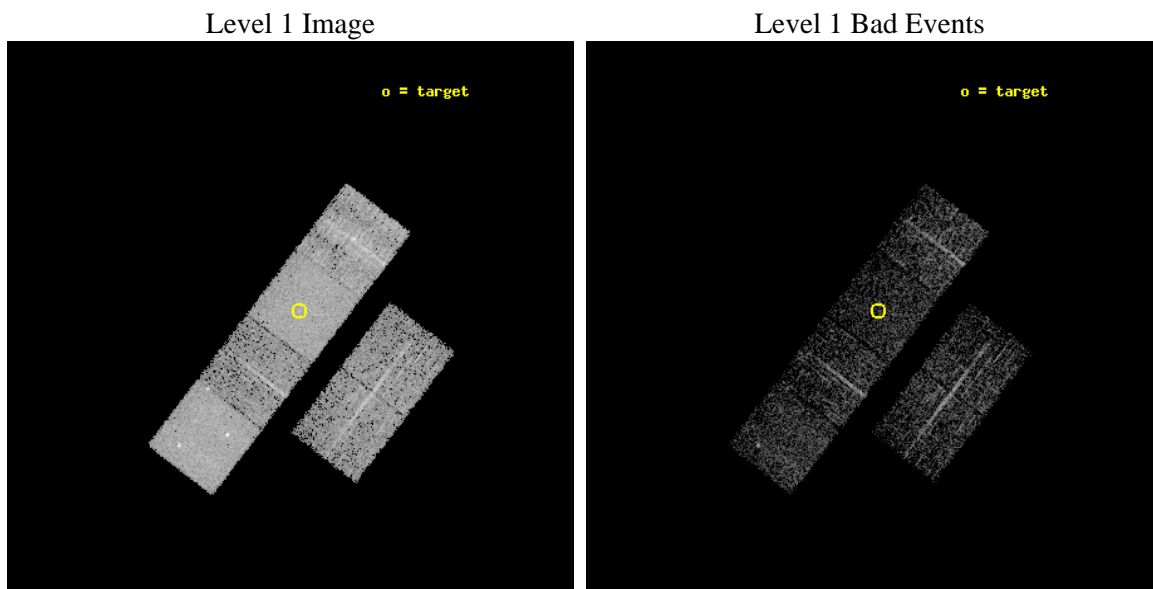
seq_num	700256	Sequence number
obs_id	1640	Observation id
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC 6503	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.3625	Observer's specified target RA [deg]
dec_targ	70.145833	Observer's specified target Dec [deg]
ra_nom	267.41084066122	Nominal RA [deg]
dec_nom	70.121496106538	Nominal Dec [deg]
roll_nom	307.34898498563	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2040.8789677769	Sum of GTIs [s]
livetime	2015.0361294171	Livetime [s]
ontime2	2040.9200077802	Sum of GTIs [s]
ontime3	2040.7558477819	Sum of GTIs [s]
ontime5	2040.8379277736	Sum of GTIs [s]
ontime6	2040.7968877852	Sum of GTIs [s]
ontime7	2040.8789677769	Sum of GTIs [s]
ontime8	2040.7148077786	Sum of GTIs [s]
l2events	52765	Number of level 2 events



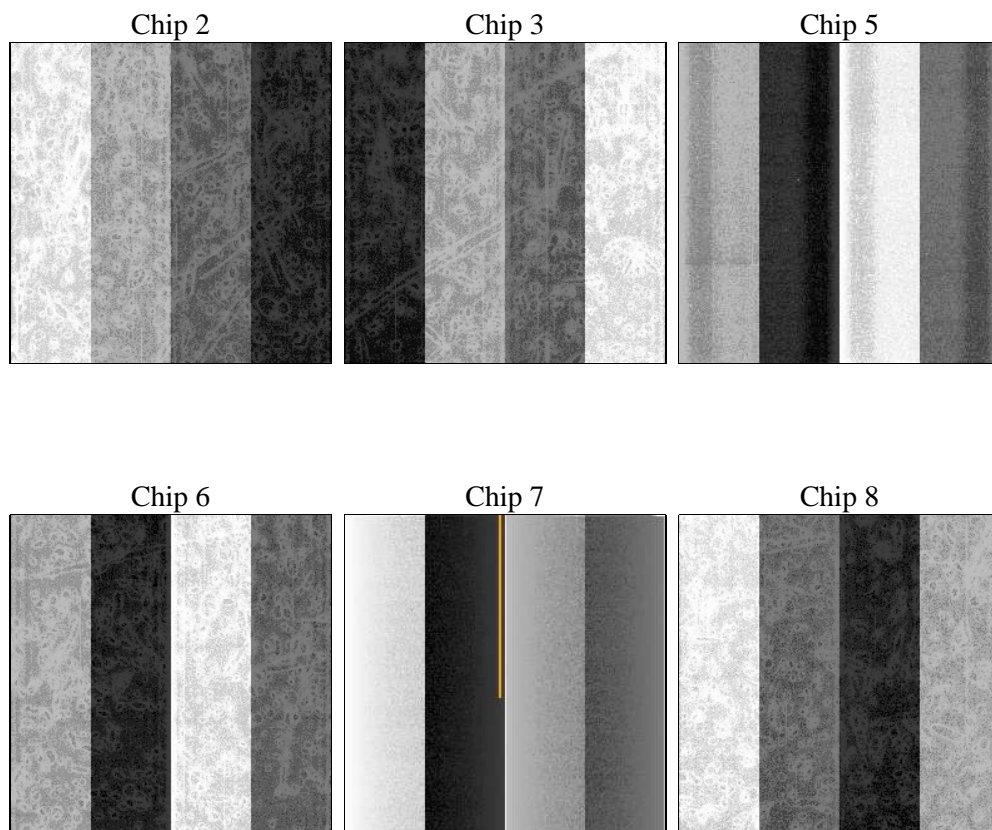
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2092.009000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2040.8789677769	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	2040.9200077802	Sum of GTIs [s]
date	2012-09-02T23:35:37	Date and time of file creation	ontime3	2040.7558477819	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2040.8379277736	Sum of GTIs [s]
			ontime6	2040.7968877852	Sum of GTIs [s]
			ontime7	2040.8789677769	Sum of GTIs [s]
			ontime8	2040.7148077786	Sum of GTIs [s]
			l1events	138788	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16567	16539	32013	16591	28555	28523
rejected events	12758	12488	11842	12167	9829	15063
rejected %	77%	75%	36%	73%	34%	52%

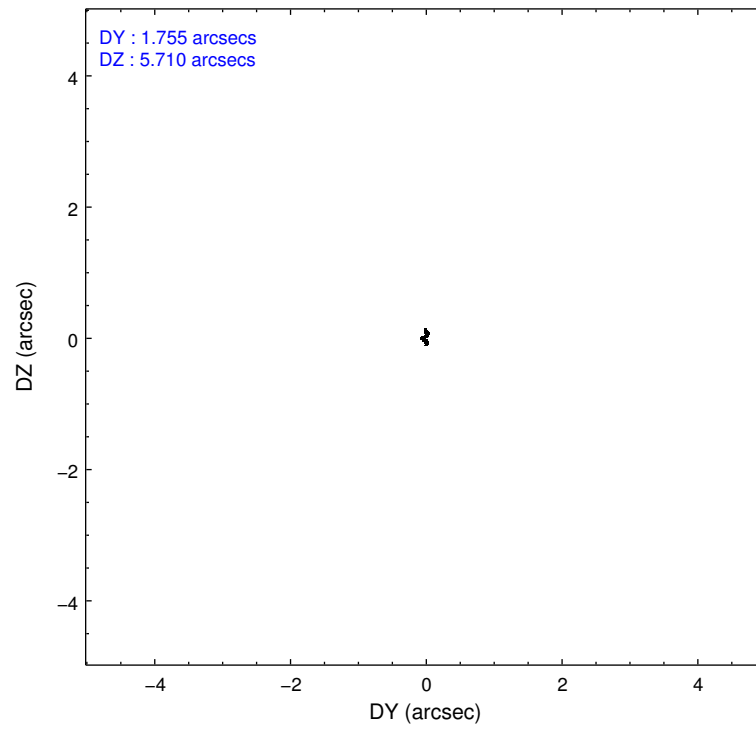
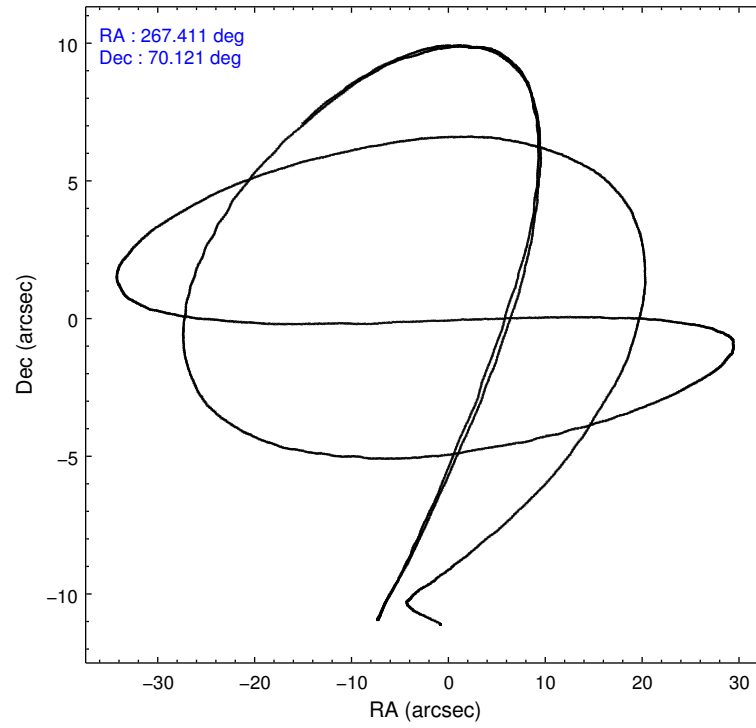
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1789	1722	3656	2114	2352	5760
	10%	10%	11%	12%	8%	20%
grade 1 events	8	10	61	14	18	34
	0%	0%	0%	0%	0%	0%
grade 2 events	978	1241	5729	1200	3569	2170
	5%	7%	17%	7%	12%	7%
grade 3 events	143	145	1203	204	1664	1868
	0%	0%	3%	1%	5%	6%
grade 4 events	216	210	1260	210	1612	1756
	1%	1%	3%	1%	5%	6%
grade 5 events	416	485	1710	511	1655	715
	2%	2%	5%	3%	5%	2%
grade 6 events	688	741	8356	700	9549	2004
	4%	4%	26%	4%	33%	7%
grade 7 events	12329	11985	10038	11638	8136	14216
	74%	72%	31%	70%	28%	49%

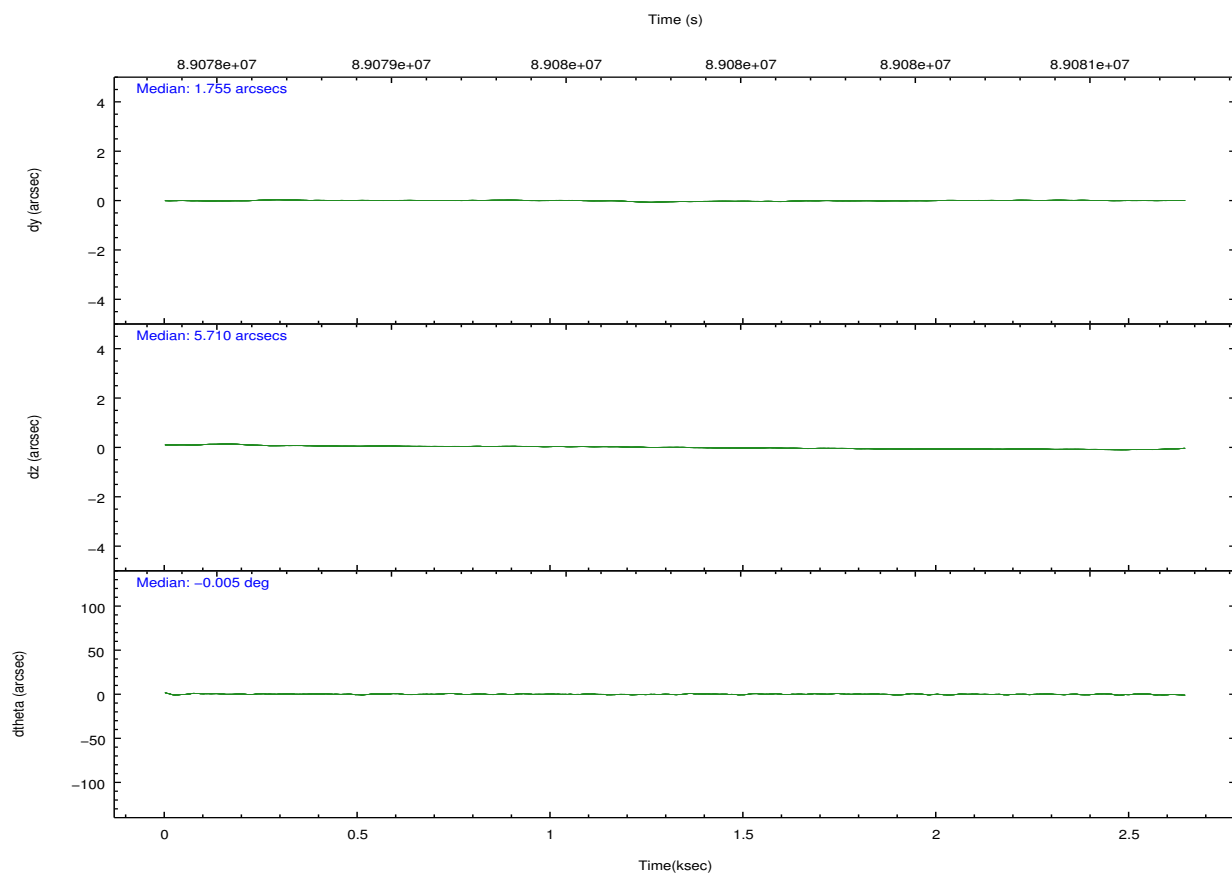
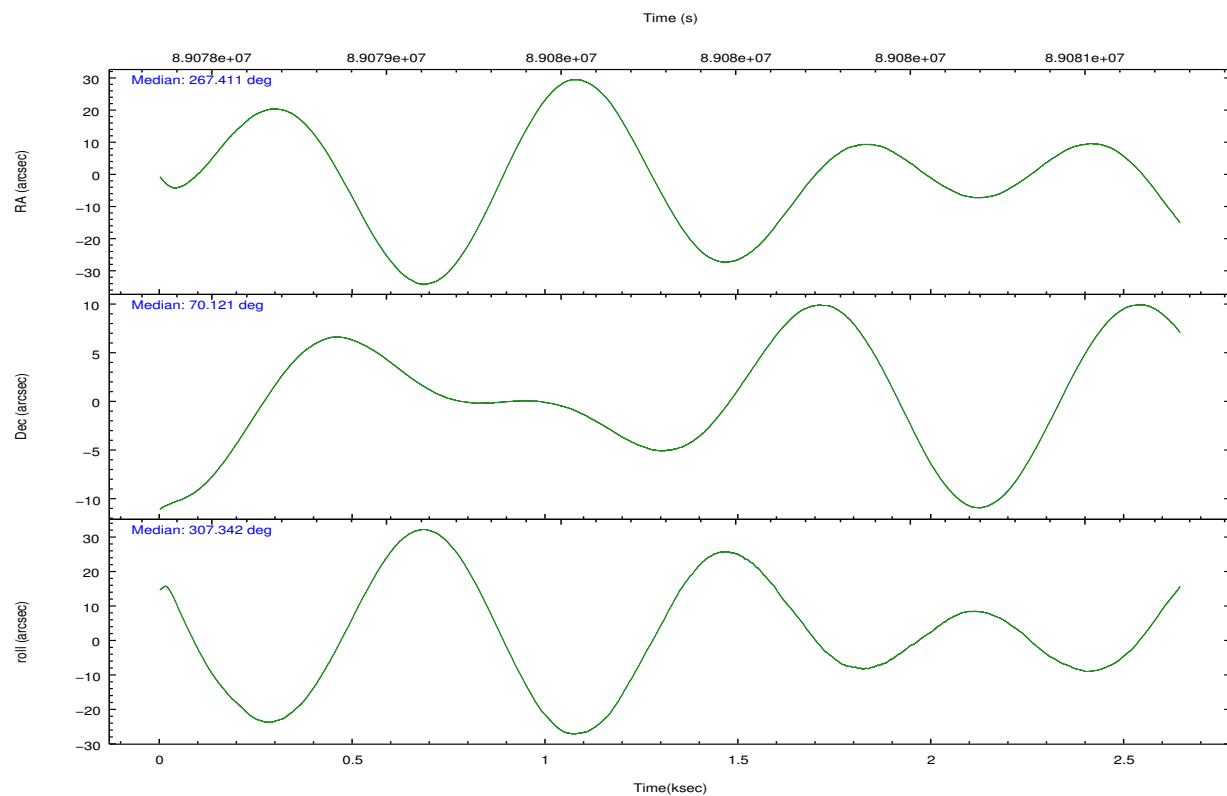
2.2 Compared Parameters

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	267.335901	267.4108406612218
[deg] Pointing Dec	70.131840	70.1214961065379
[deg] Pointing Roll	307.262780	307.3489849856282
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.145094680475
[mm] SIM translation stage offset	0	0.01257209746719923
[s] Observation start time (MET)	89079042.184000	89077897.12467299
Observation start date	2000-10-28T00:09:38	2000-10-27T23:51:37
[s] Observation end time (MET)	89081134.184000	89081779.31231999
Observation end date	2000-10-28T00:44:30	2000-10-28T00:56:19
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



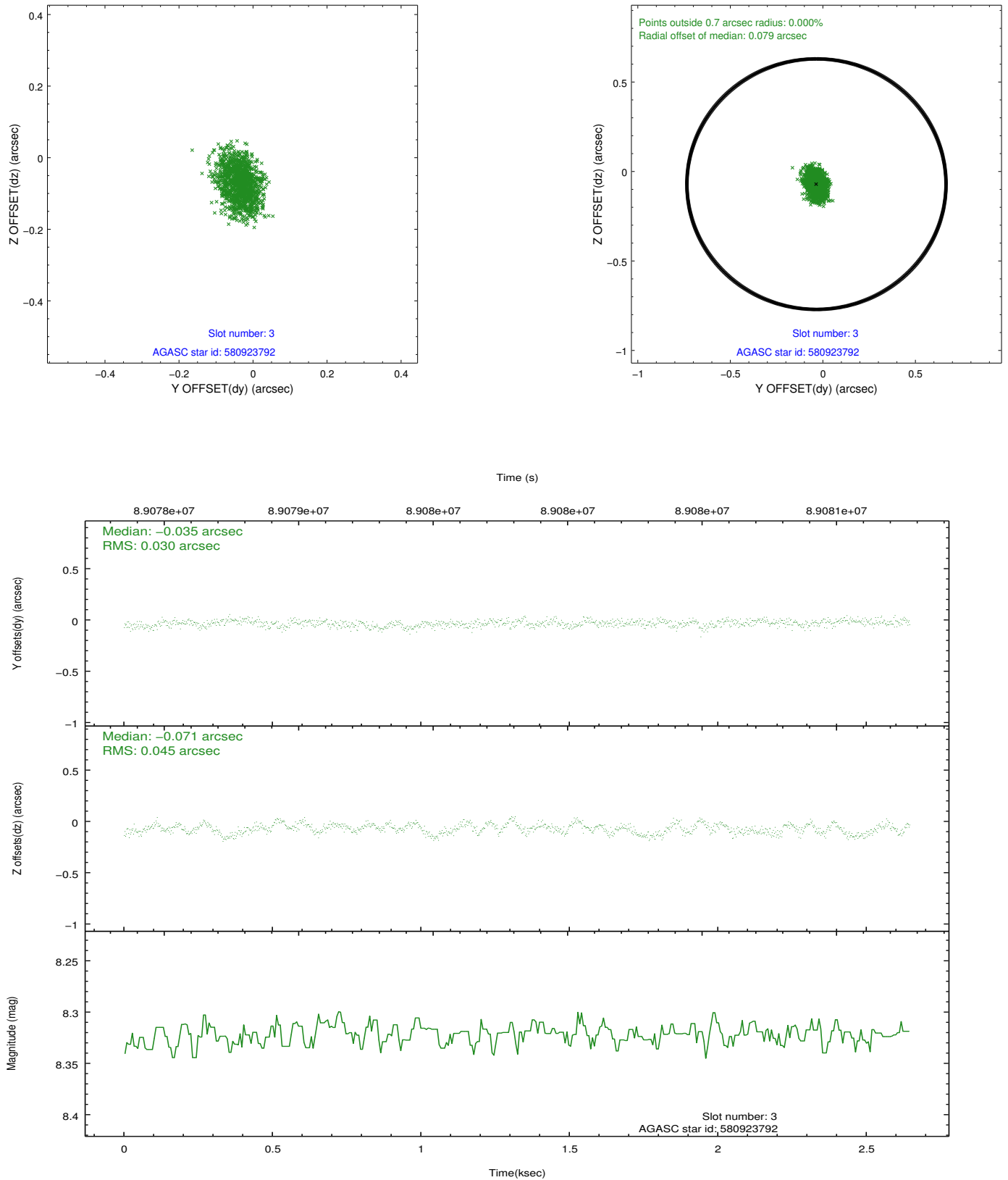


Slot Statistics

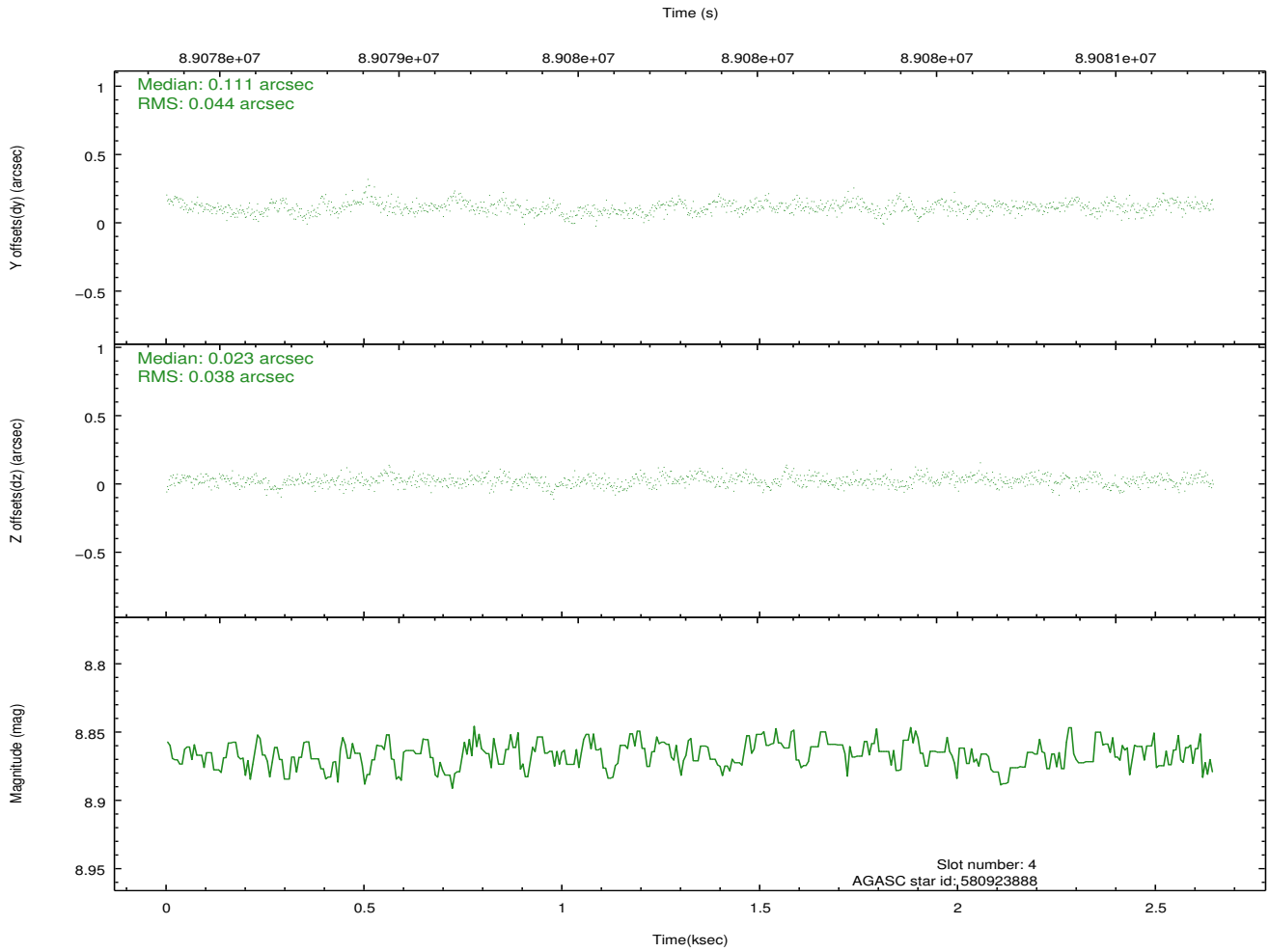
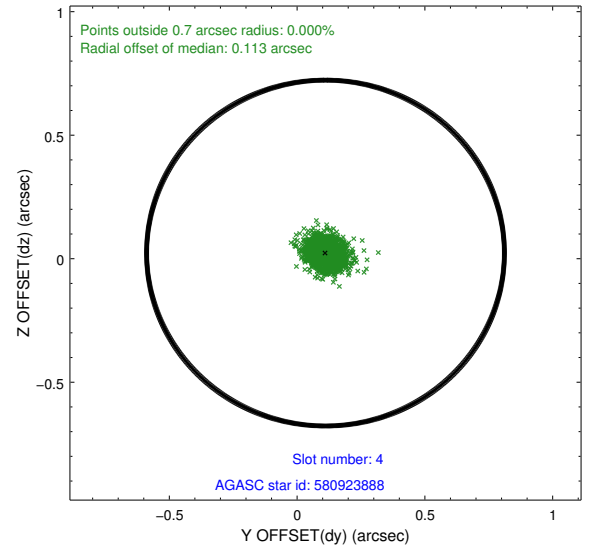
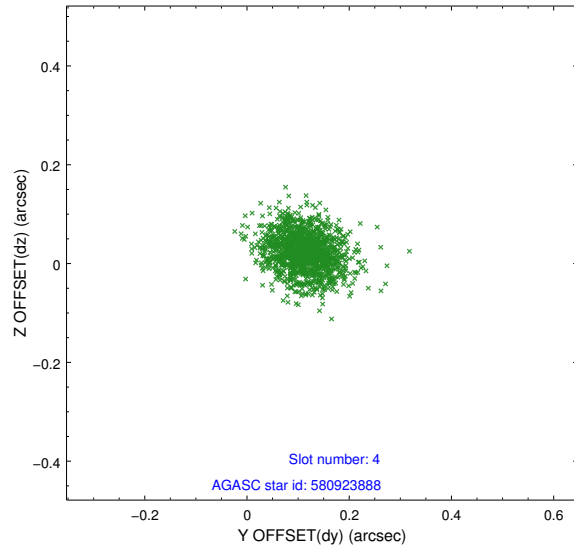
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	645	-0.044	0.003	0.006	0.010	0.000000	0.000000	-754.37	-1726.74
1	FID	ACIS-S-4	7.21	645	-0.018	0.020	0.006	0.009	0.000000	0.000000	2157.80	179.28
2	FID	ACIS-S-5	7.24	645	0.031	-0.015	0.007	0.010	0.000000	0.000000	-1804.03	175.64
3	GUIDE	580923792	8.32	1291	-0.035	-0.071	0.058	0.095	267.549562	70.142608	126.34	231.73
4	GUIDE	580923888	8.87	1290	0.111	0.023	0.062	0.099	266.800621	69.747807	693.90	-1365.83
5	GUIDE	580920720	9.06	1291	-0.045	0.072	0.072	0.113	264.904777	70.186565	-1999.53	-2206.44
6	GUIDE	580916112	9.20	1291	-0.058	-0.029	0.082	0.128	268.306384	70.467709	-264.88	1665.67
7	GUIDE	580922136	9.19	1289	0.033	0.007	0.073	0.128	269.204285	70.081301	1503.16	1736.16

2.4 Star Slots

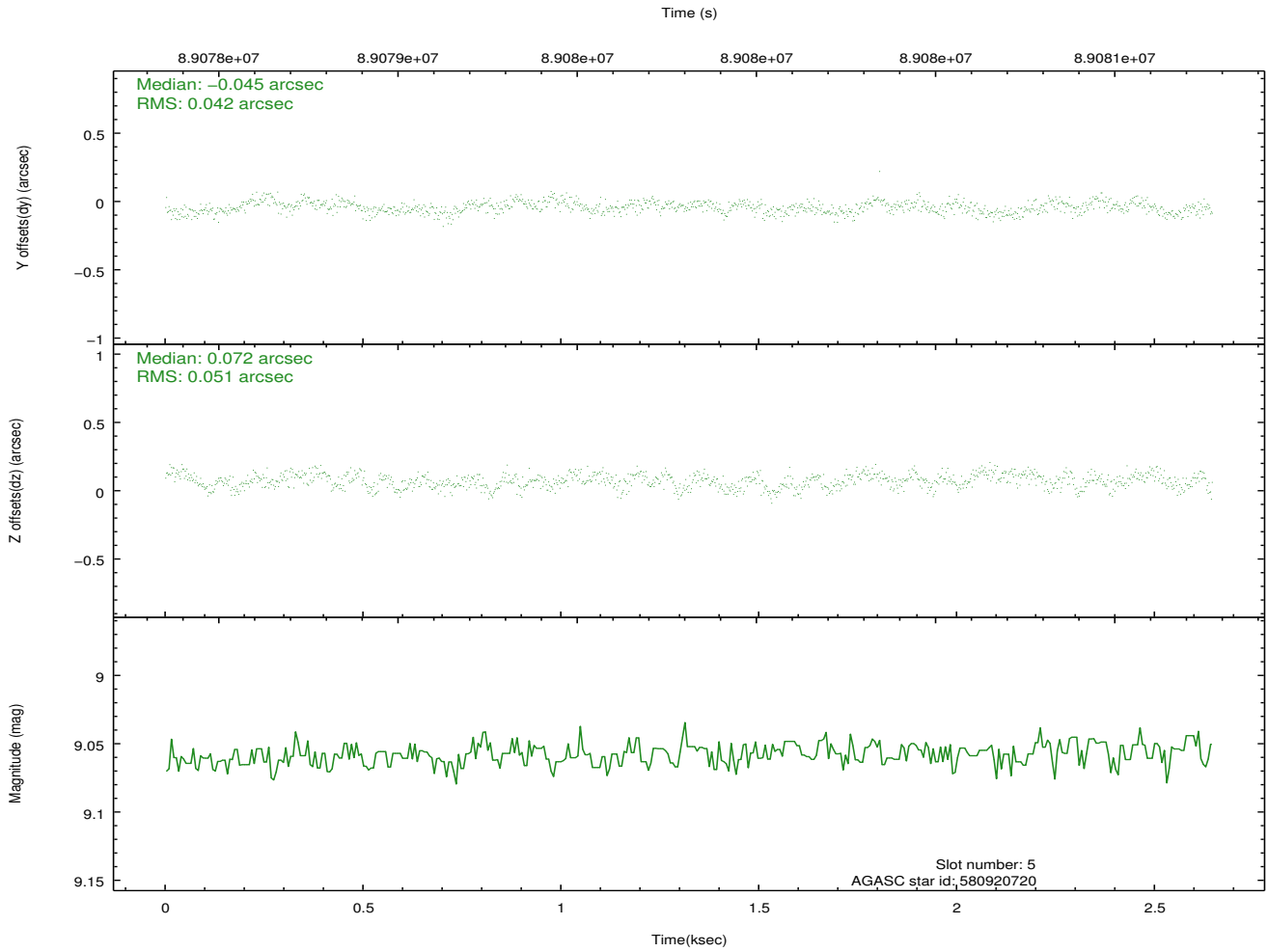
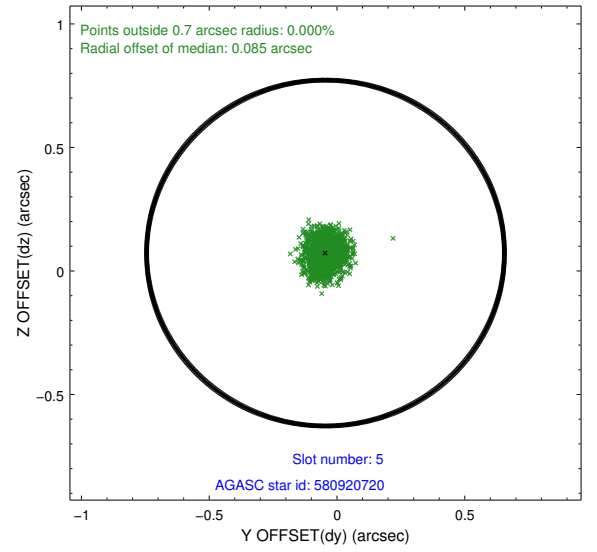
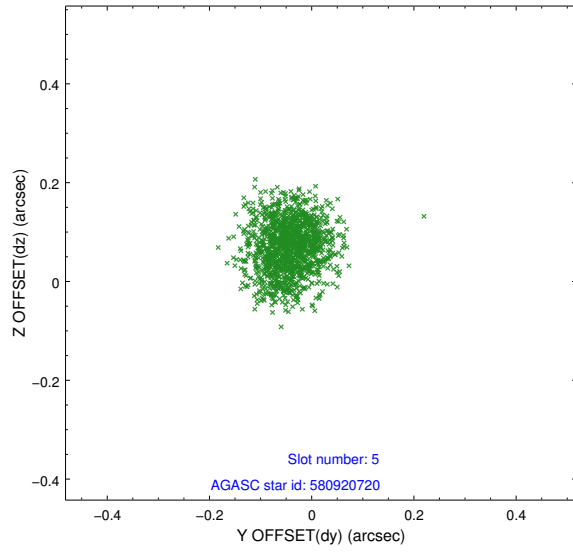
2.4.1 Slot 3



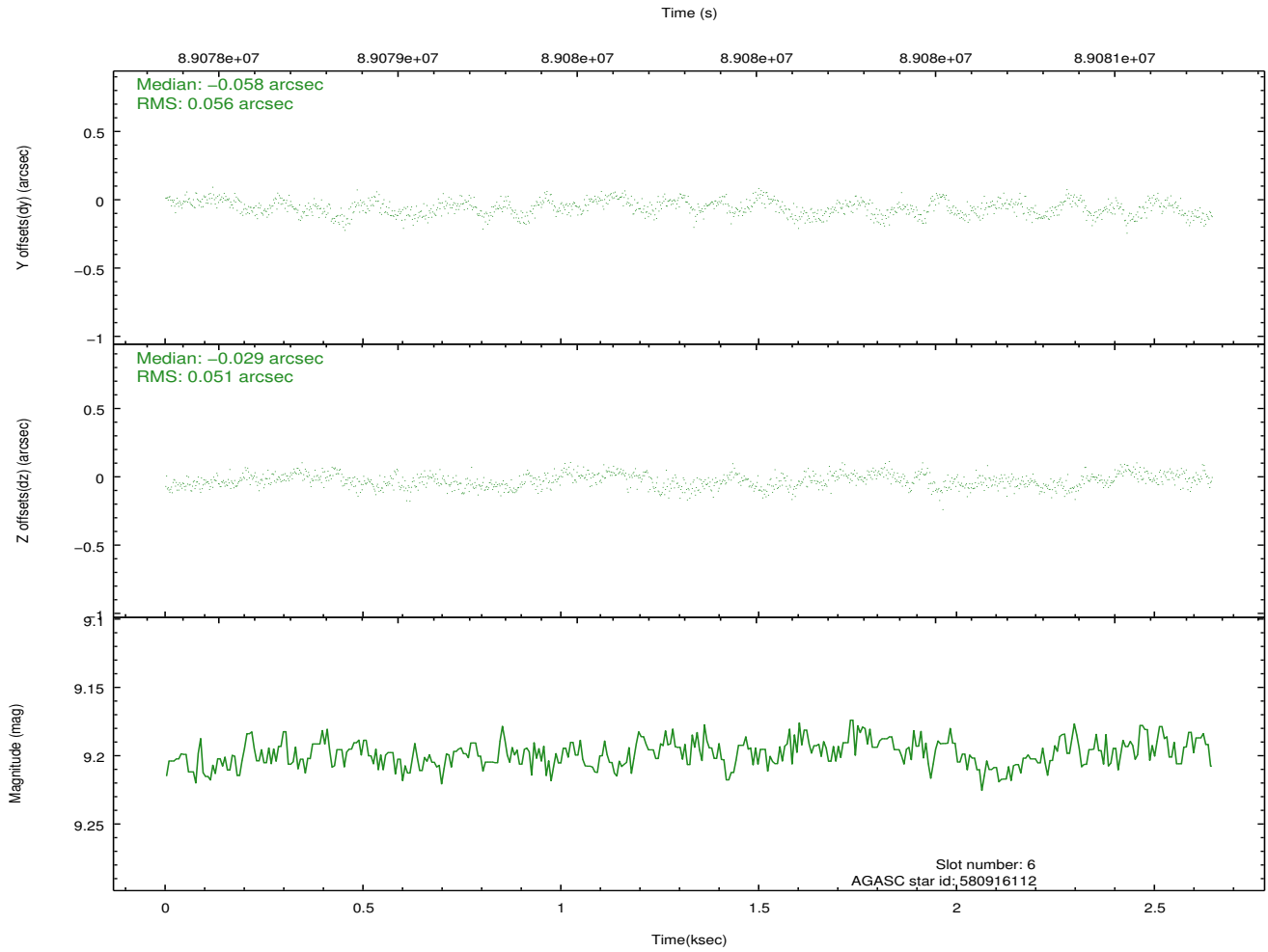
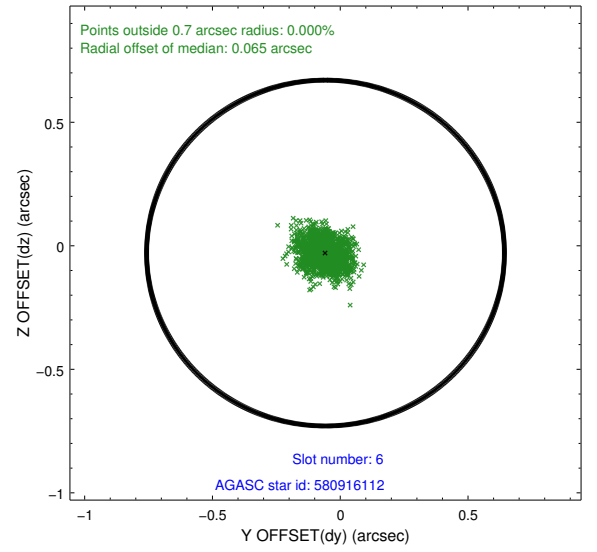
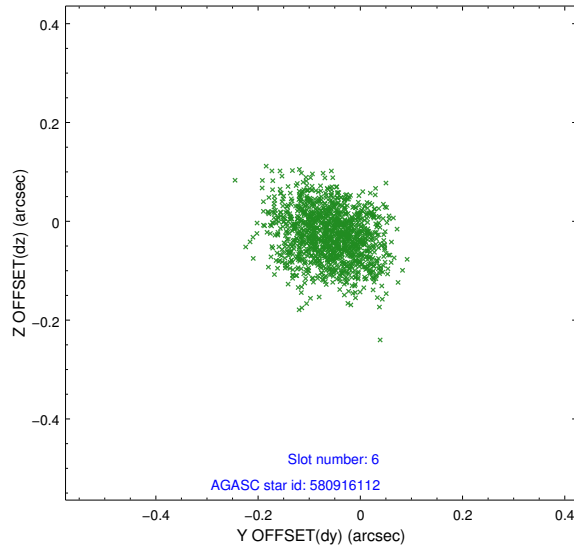
2.4.2 Slot 4



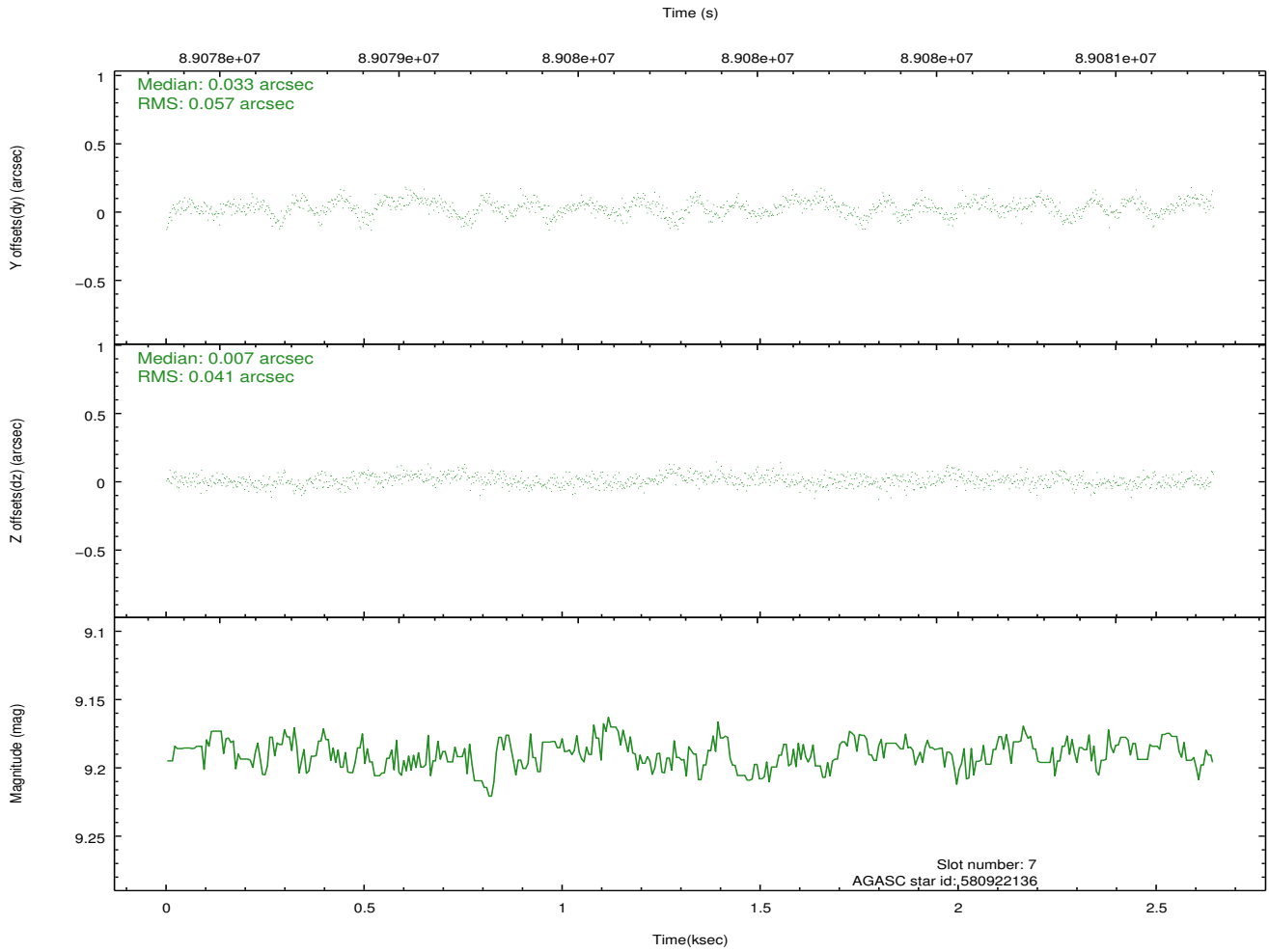
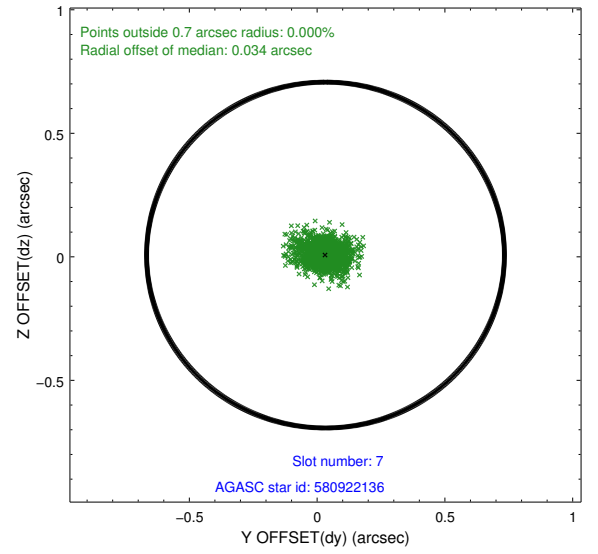
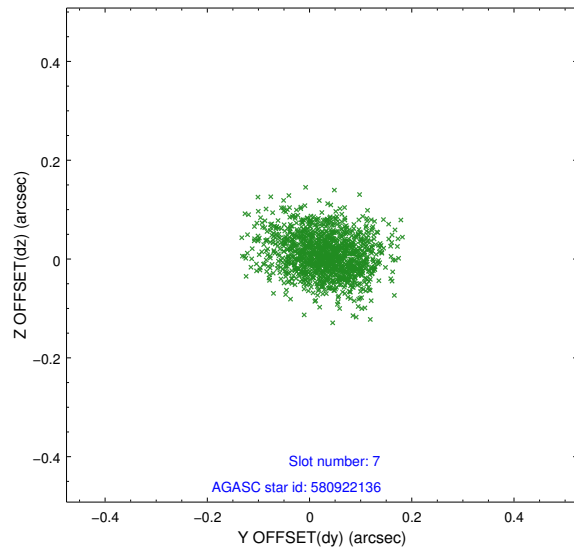
2.4.3 Slot 5



2.4.4 Slot 6

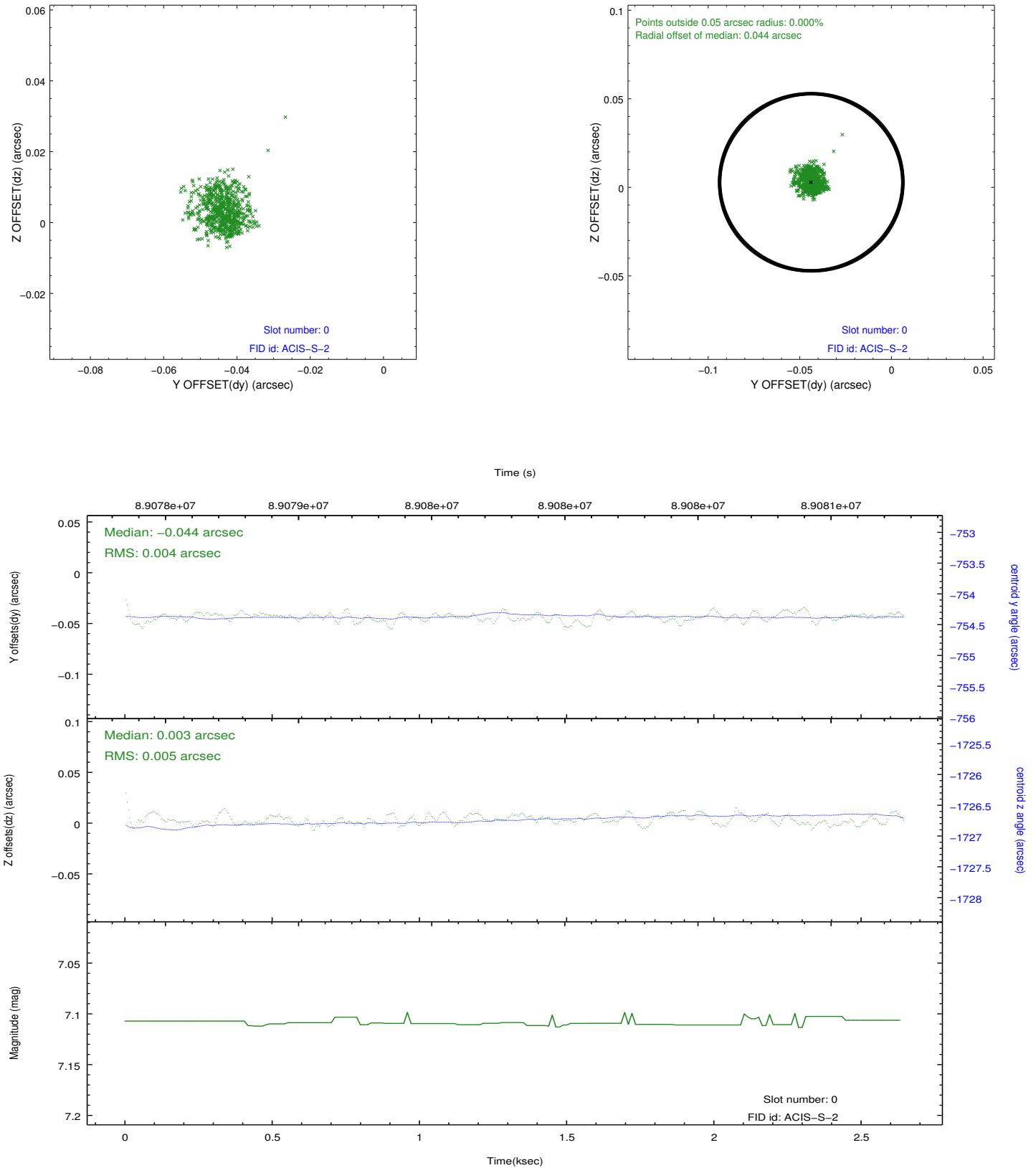


2.4.5 Slot 7

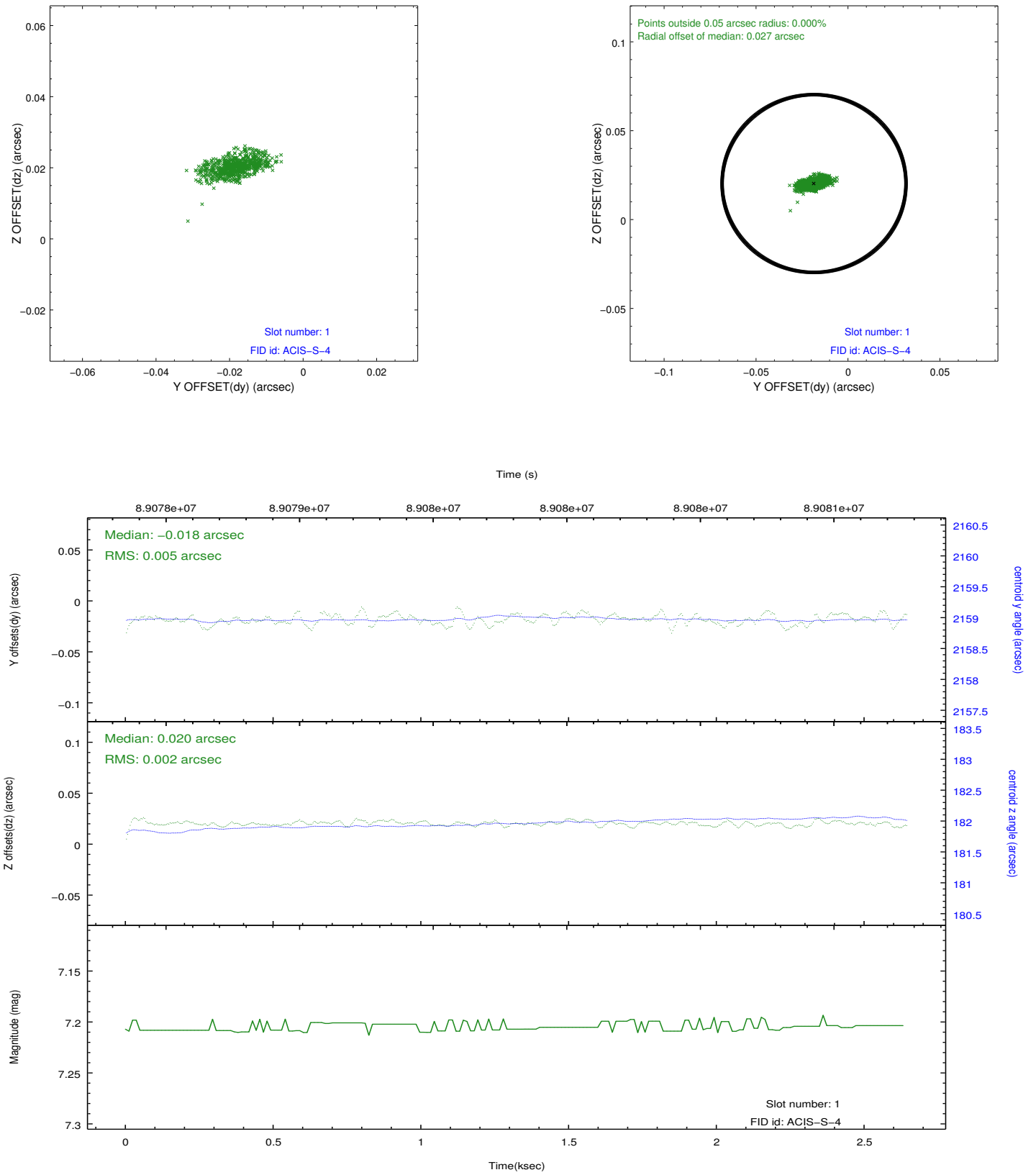


2.5 FID Slots

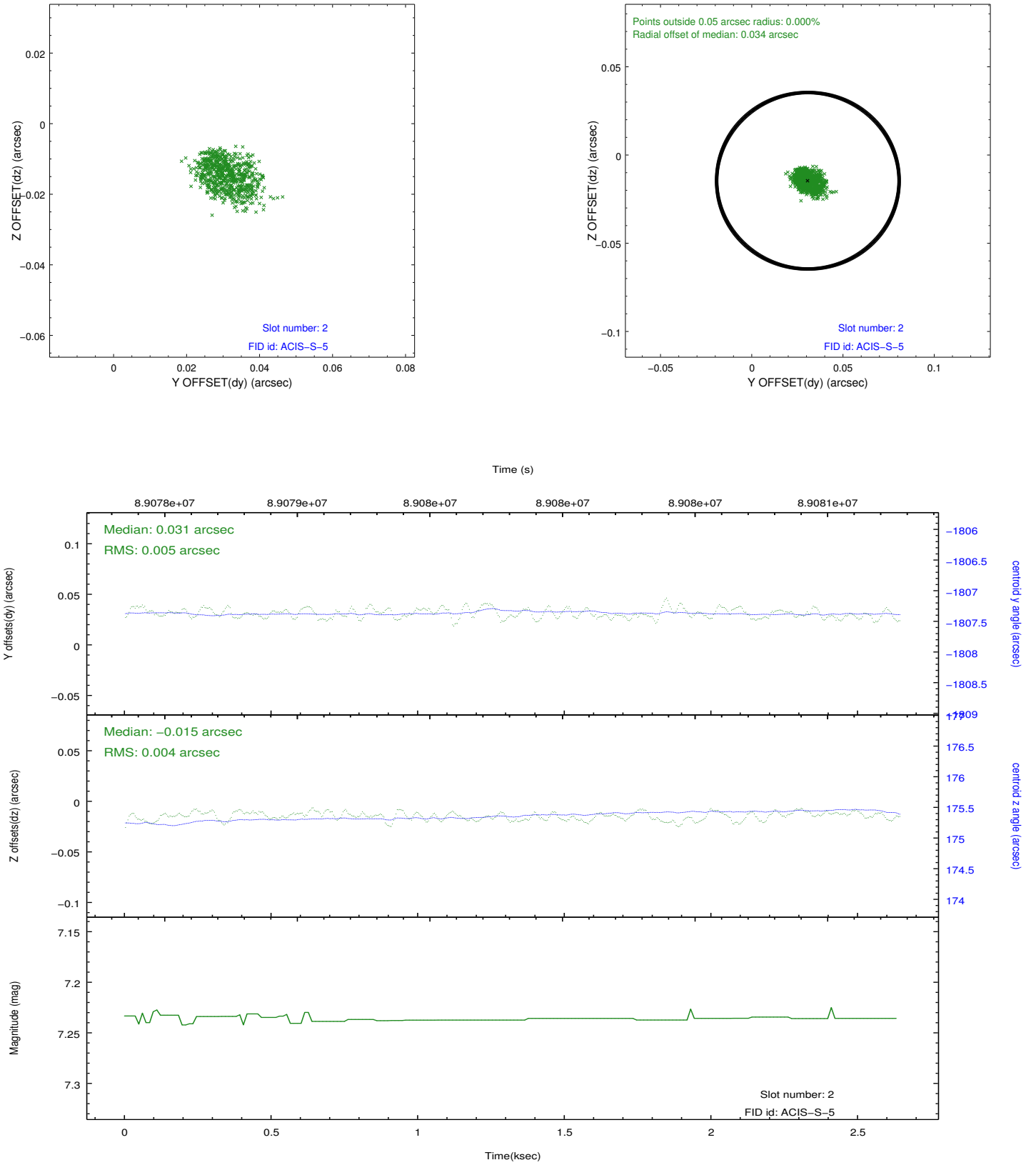
2.5.1 Slot 0



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)	2012.09.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.041

A.2 Comments