

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 314 - L2 Version 3
Chandra X-Ray Center

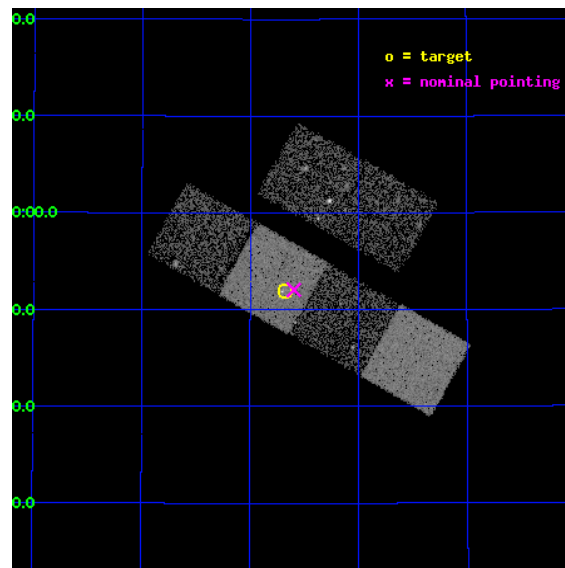
L2 Processing Date : Sep 2 2012

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1 Front

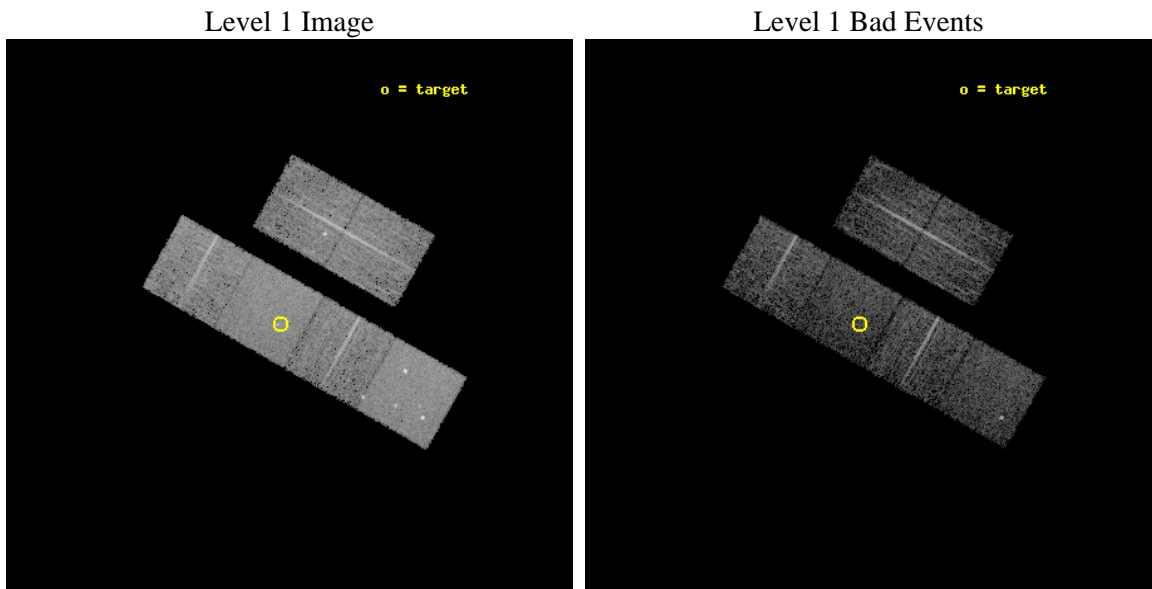
seq_num	600074	Sequence number
obs_id	314	Observation id
title	M31 MONITORING (FOLLOWUP)	Proposal title
observer	Dr. Stephen Murray	Principal investigator
object	M31 TRANSIENT TBD	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.67	Observer's specified target RA [deg]
dec_targ	40.865	Observer's specified target Dec [deg]
ra_nom	10.648999364273	Nominal RA [deg]
dec_nom	40.867571669421	Nominal Dec [deg]
roll_nom	209.41347405749	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5148.8000047803	Sum of GTIs [s]
livetime	5083.6027988846	Livetime [s]
ontime2	5145.5590345263	Sum of GTIs [s]
ontime3	5148.8000047803	Sum of GTIs [s]
ontime5	5148.8000047803	Sum of GTIs [s]
ontime6	5148.8000047803	Sum of GTIs [s]
ontime7	5148.8000047803	Sum of GTIs [s]
ontime8	5148.8000047803	Sum of GTIs [s]
l2events	51061	Number of level 2 events



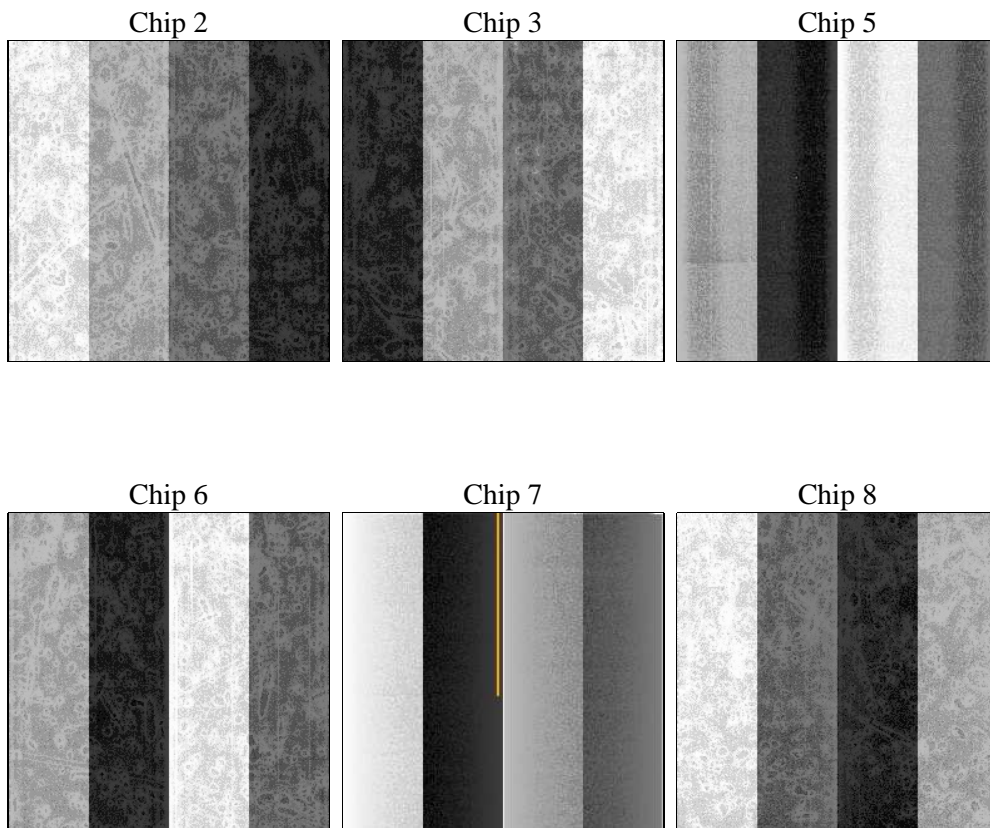
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5148.8000047803	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	5145.5590345263	Sum of GTIs [s]
date	2012-09-02T09:58:58	Date and time of file creation	ontime3	5148.8000047803	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5148.8000047803	Sum of GTIs [s]
			ontime6	5148.8000047803	Sum of GTIs [s]
			ontime7	5148.8000047803	Sum of GTIs [s]
			ontime8	5148.8000047803	Sum of GTIs [s]
			l1events	234784	Number of level 1 events

2.1.4 Events

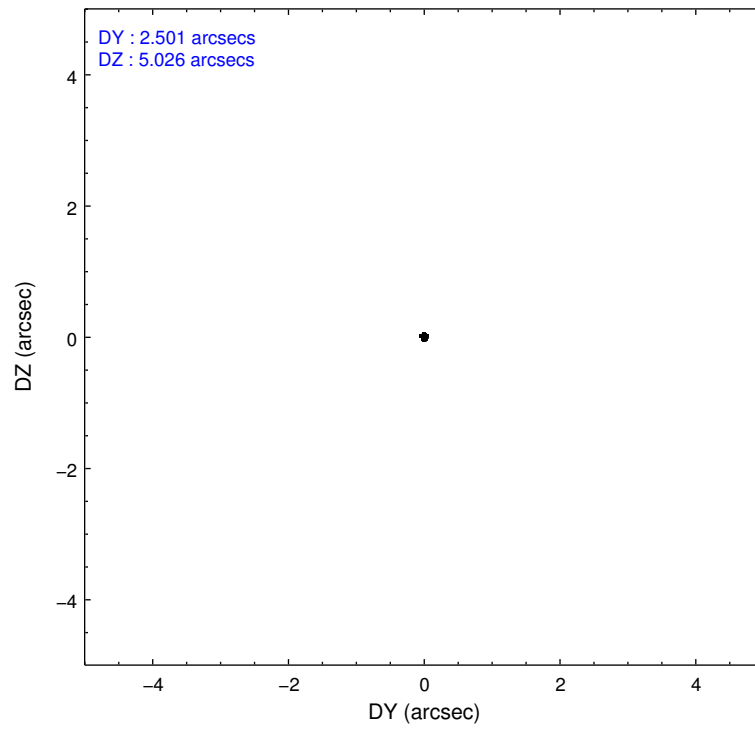
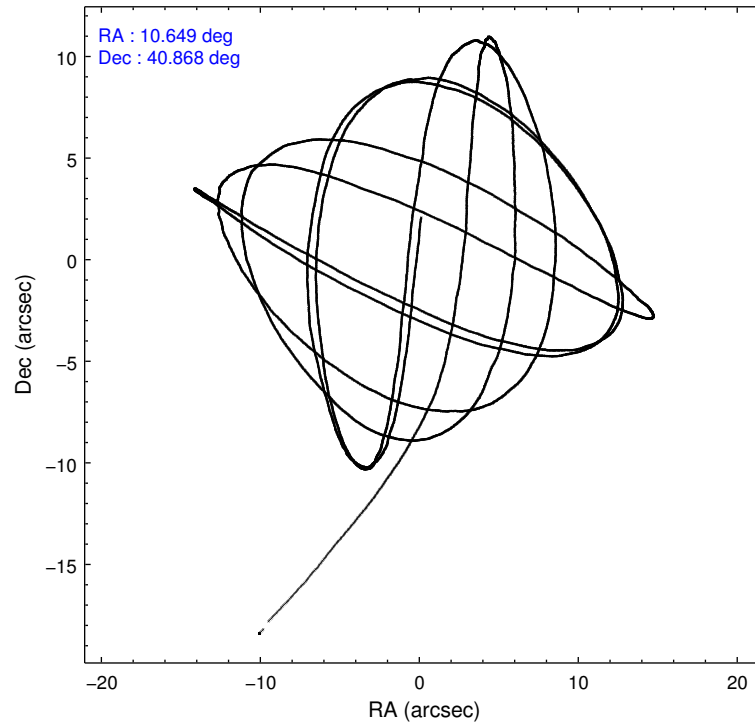
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	35570	34647	47810	33168	42867	40722	grade 0 events	1711	2658	3704	1581	1975	2750
rejected events	31814	29783	25843	29448	24721	32921		4%	7%	7%	4%	4%	6%
rejected %	89%	85%	54%	88%	57%	80%	grade 1 events	14	23	67	18	48	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	762	829	6293	775	3733	1649
								2%	2%	13%	2%	8%	4%
							grade 3 events	393	410	926	384	1749	809
								1%	1%	1%	1%	4%	1%
							grade 4 events	352	405	876	366	1678	795
								0%	1%	1%	1%	3%	1%
							grade 5 events	1161	1269	3578	1343	3979	1671
								3%	3%	7%	4%	9%	4%
							grade 6 events	624	667	10636	705	9372	1922
								1%	1%	22%	2%	21%	4%
							grade 7 events	30553	28386	21730	27996	20333	31098
								85%	81%	45%	84%	47%	76%

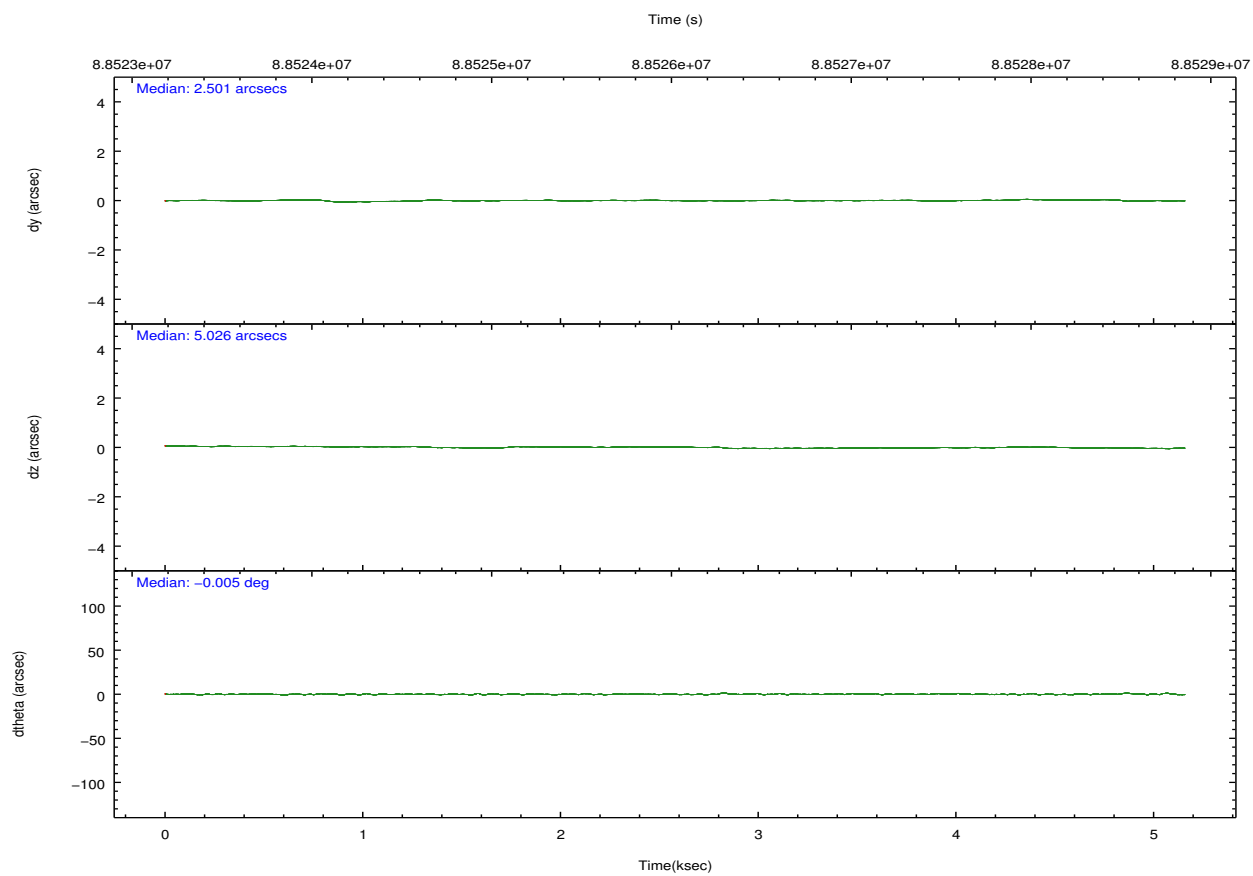
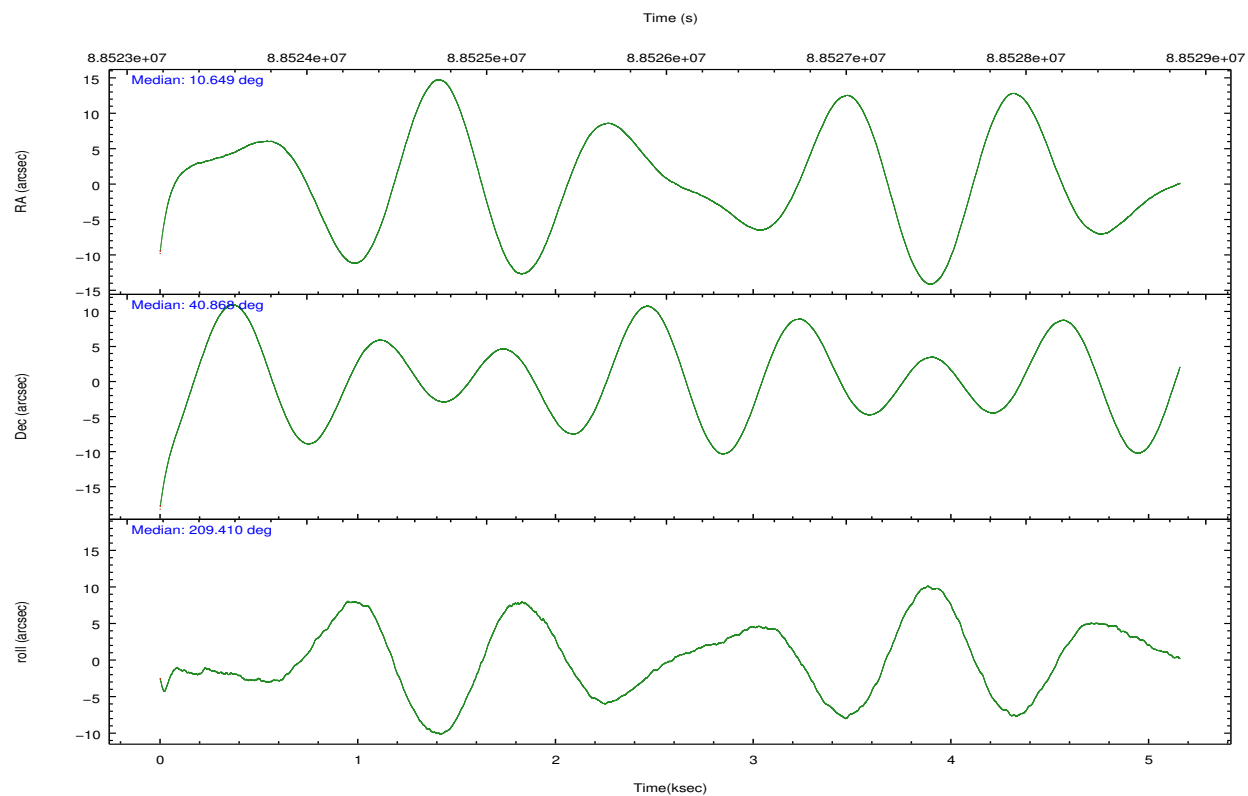
2.2 Compared Parameters

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	10.667189	10.6489993642727
[deg] Pointing Dec	40.891319	40.86757166942055
[deg] Pointing Roll	209.244951	209.413474057495
[s] Window start time (MET)	87955264.184000	87955264.184000
[s] Window stop time (MET)	88560064.184000	88560064.184000
[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)	88523598.184000	88522487.01617999
Observation start date	2000-10-21T13:52:14	2000-10-21T13:34:47
[s] Observation end time (MET)	88528598.184000	88529143.878932
Observation end date	2000-10-21T15:15:34	2000-10-21T15:25:43
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



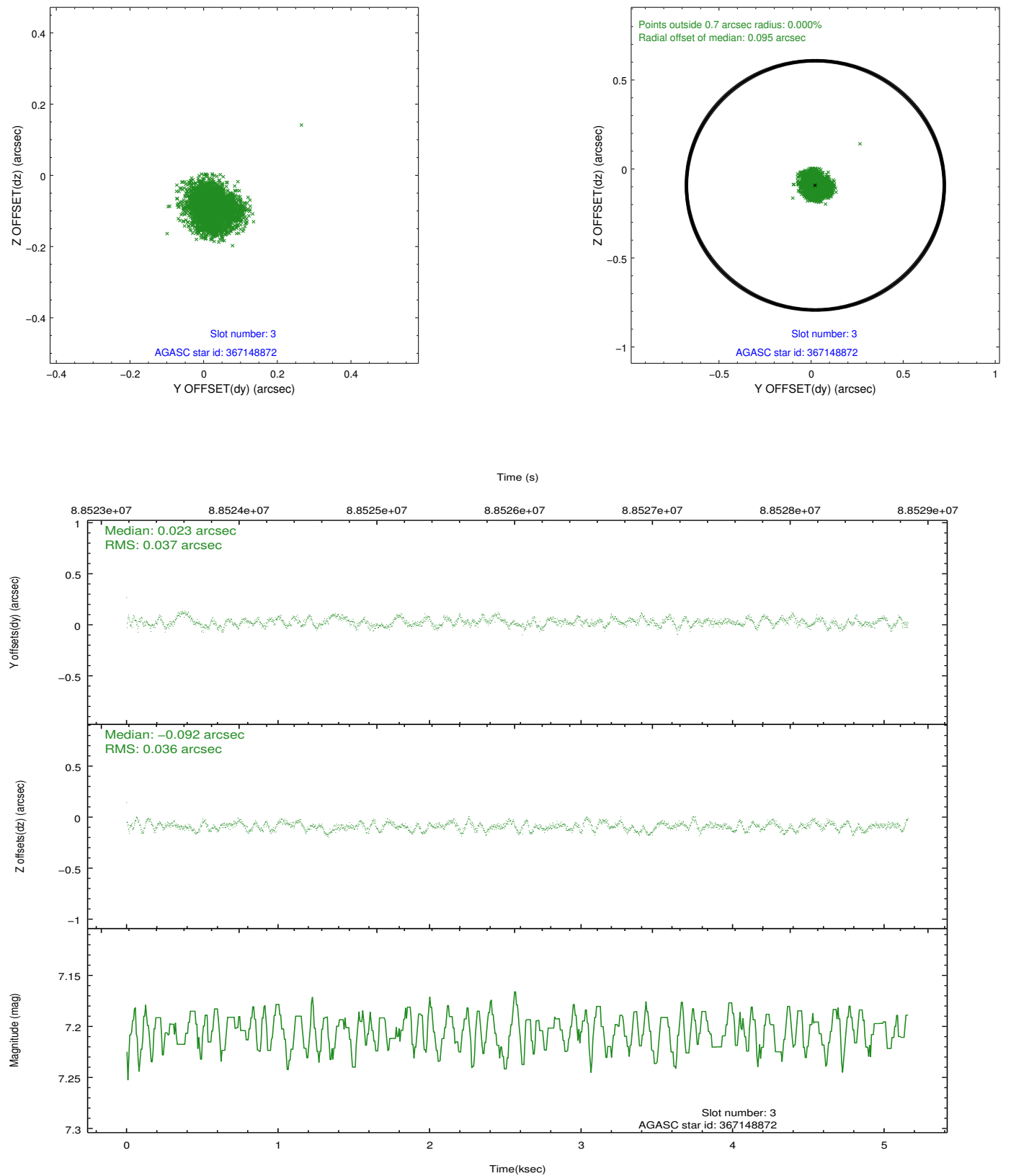


Slot Statistics

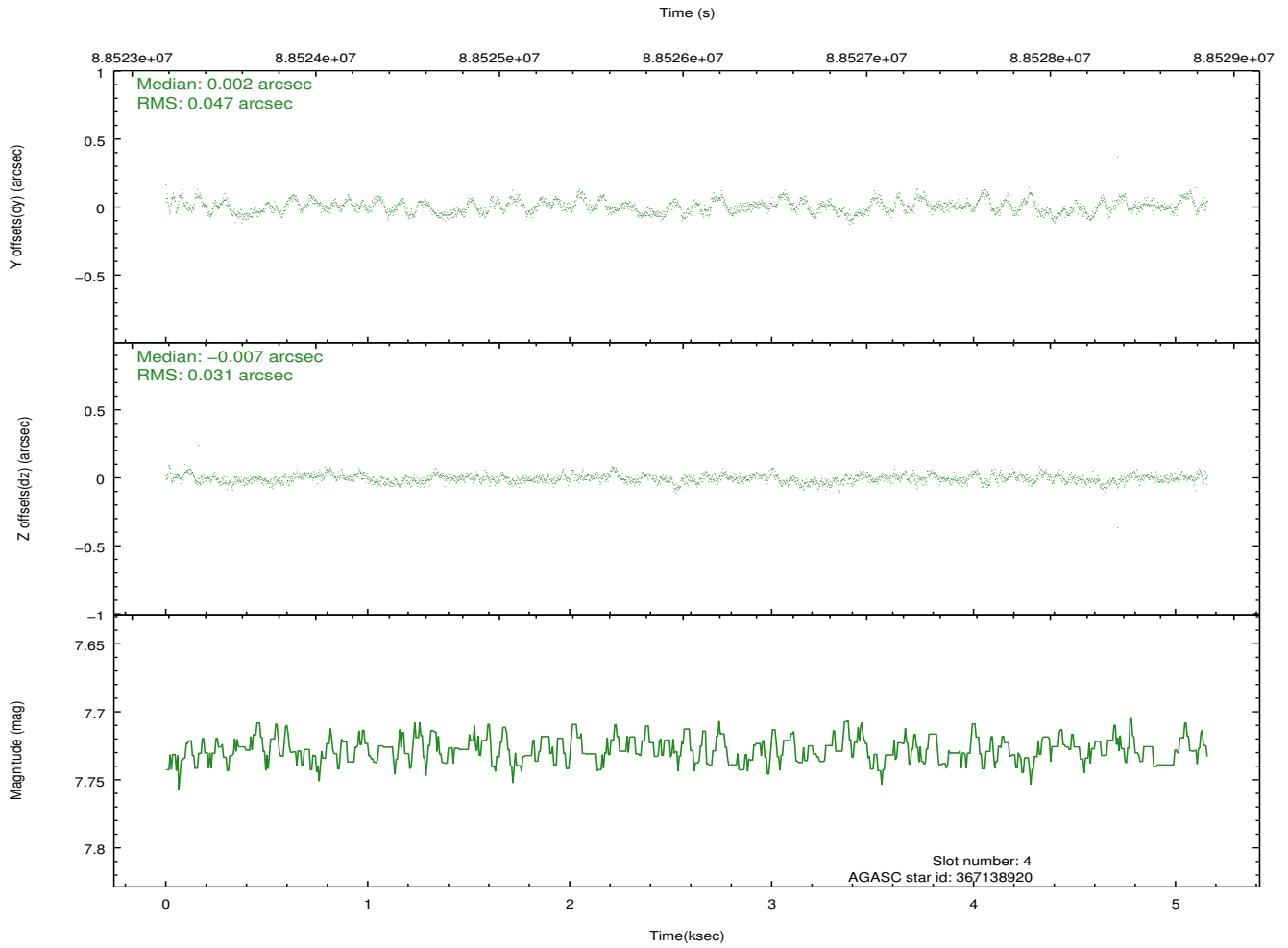
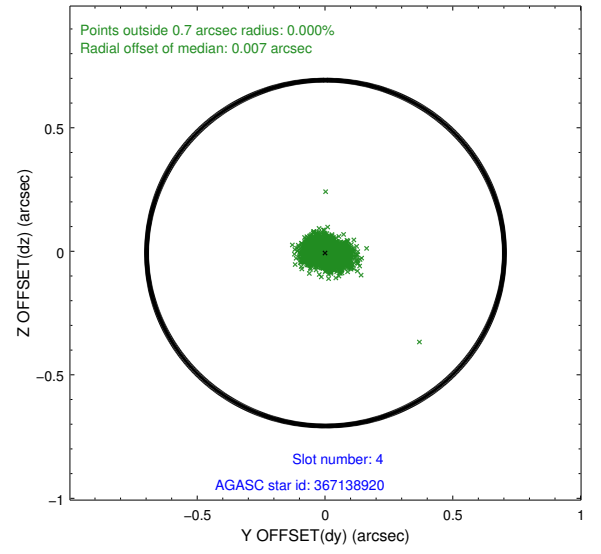
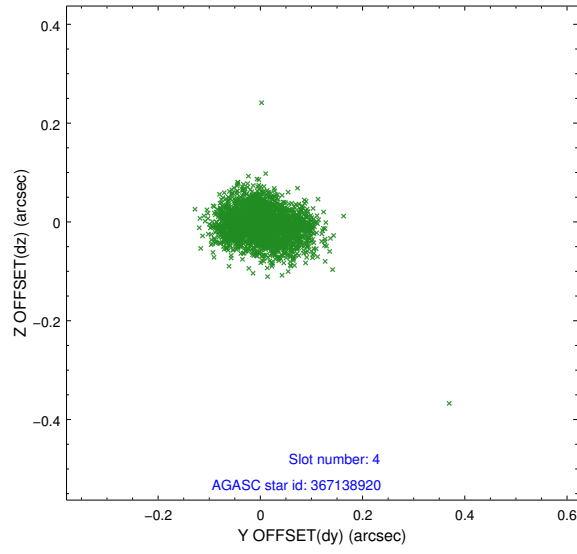
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1259	-0.040	-0.011	0.006	0.011	0.000000	0.000000	-755.14	-1726.11
1	FID	ACIS-S-4	7.21	1259	0.005	0.022	0.006	0.012	0.000000	0.000000	2157.62	181.24
2	FID	ACIS-S-5	7.24	1259	0.004	-0.002	0.006	0.012	0.000000	0.000000	-1806.46	176.16
3	GUIDE	367148872	7.20	2517	0.023	-0.092	0.058	0.085	10.505940	40.688258	741.50	422.38
4	GUIDE	367138920	7.73	2517	0.002	-0.007	0.060	0.094	11.513485	40.808909	-1871.94	1375.81
5	GUIDE	367139768	7.98	2517	-0.030	0.035	0.050	0.082	11.069715	40.685175	-597.84	1182.67
6	GUIDE	367144424	8.66	2516	-0.055	-0.001	0.059	0.098	10.464515	40.309136	1509.19	1556.86
7	GUIDE	367674552	8.84	2516	0.060	0.064	0.070	0.111	11.016238	41.570845	-2015.16	-1676.38

2.4 Star Slots

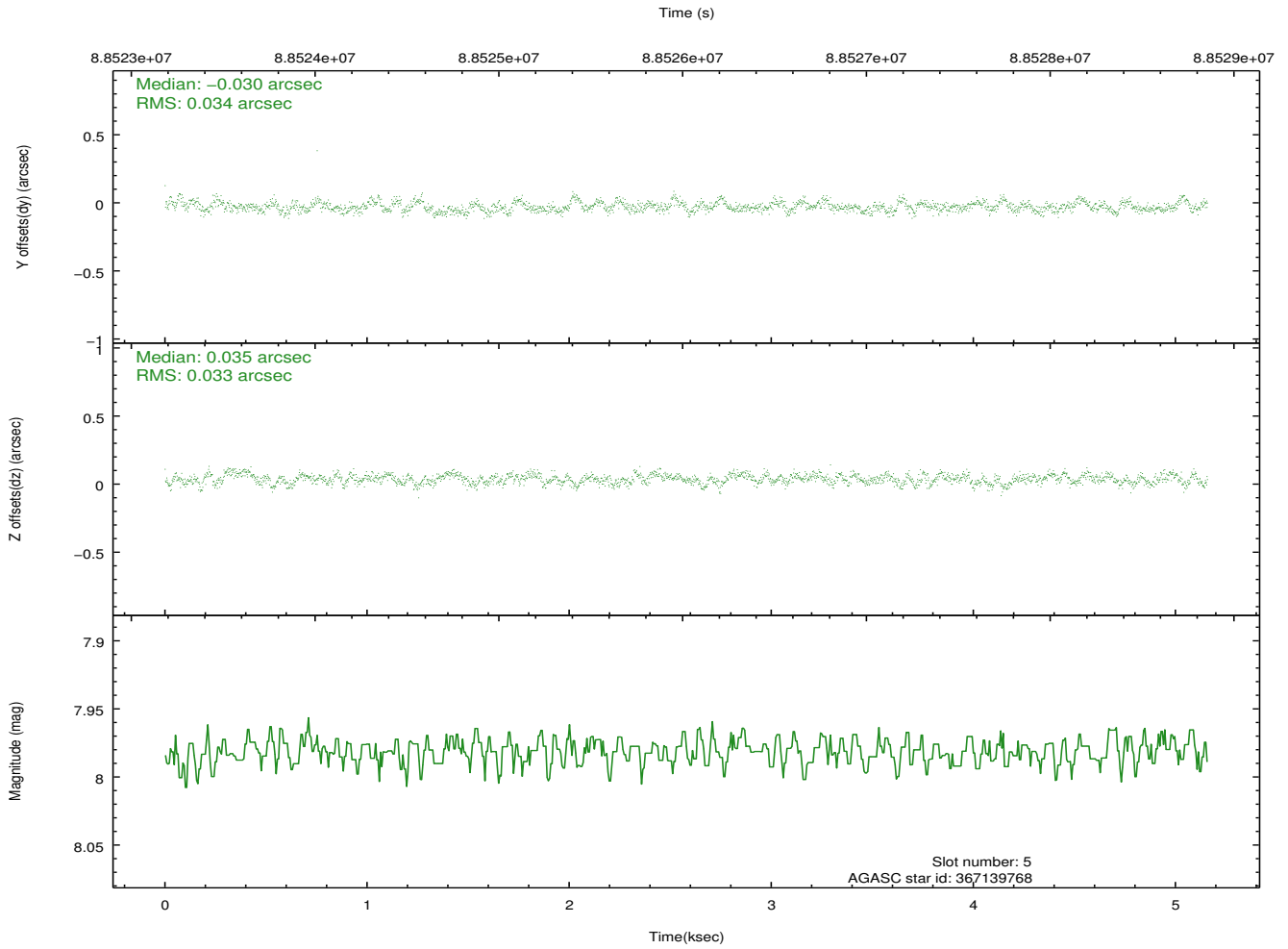
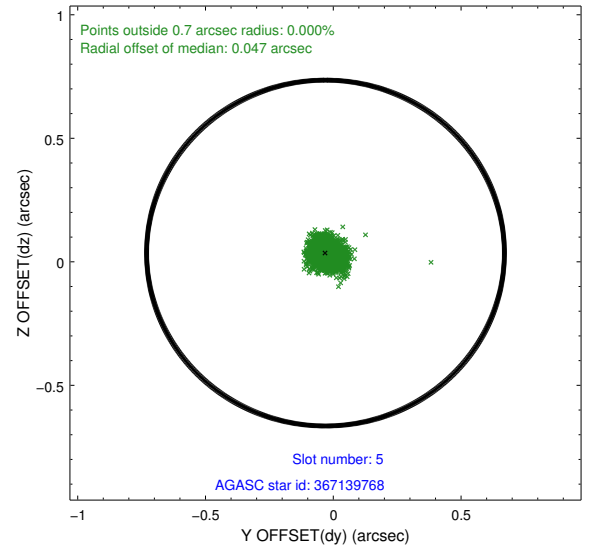
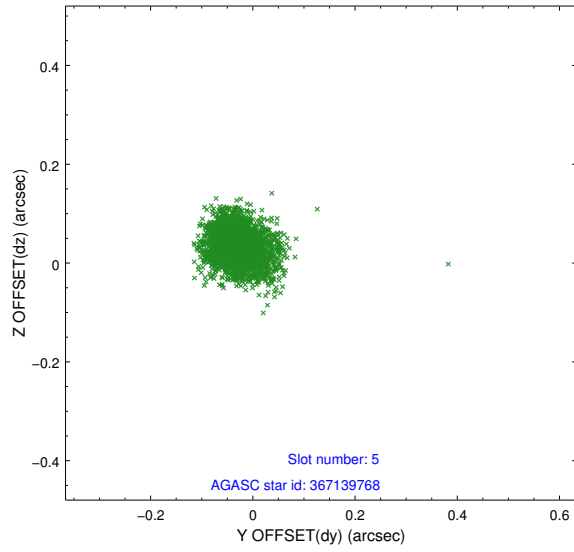
2.4.1 Slot 3



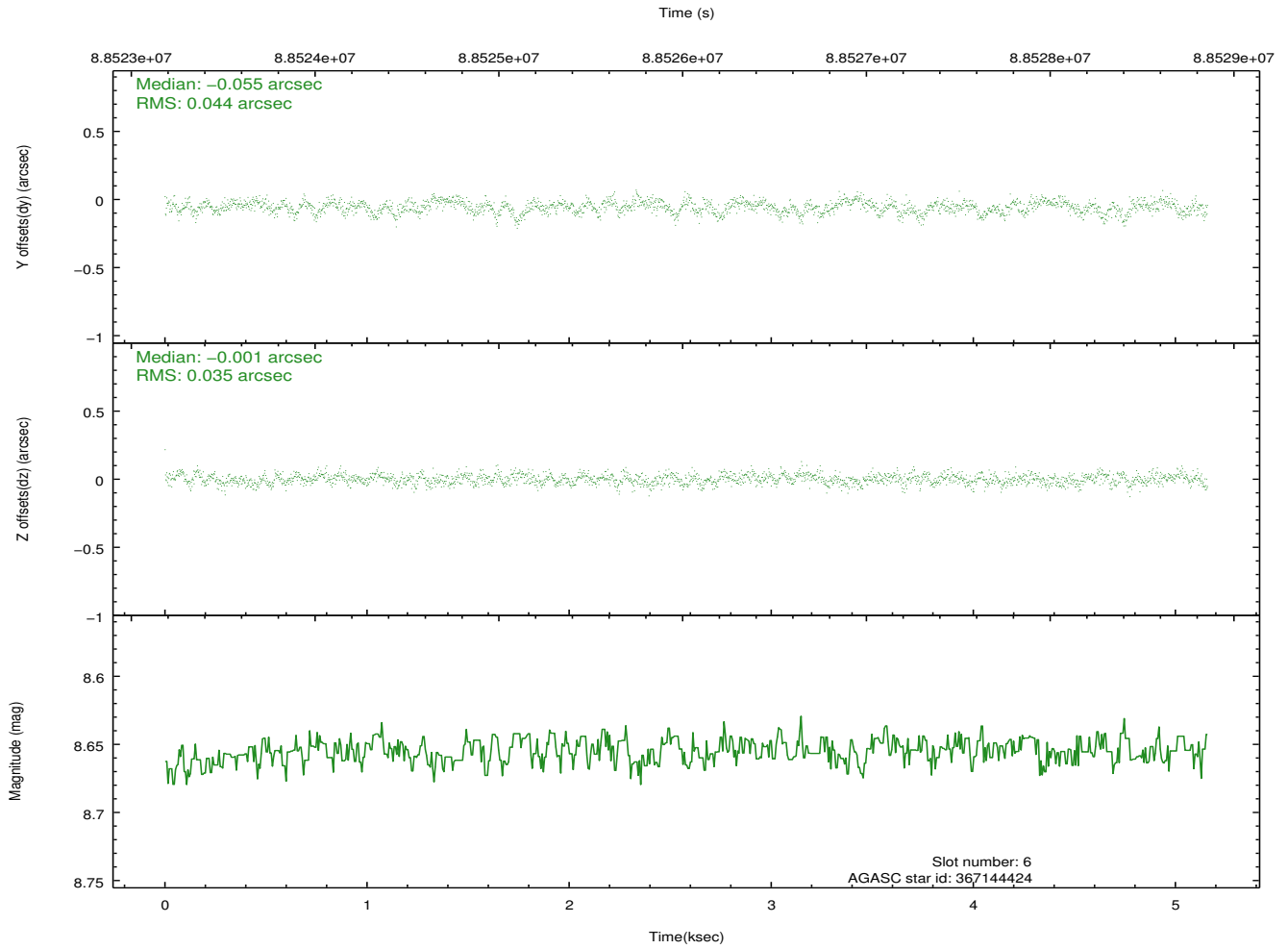
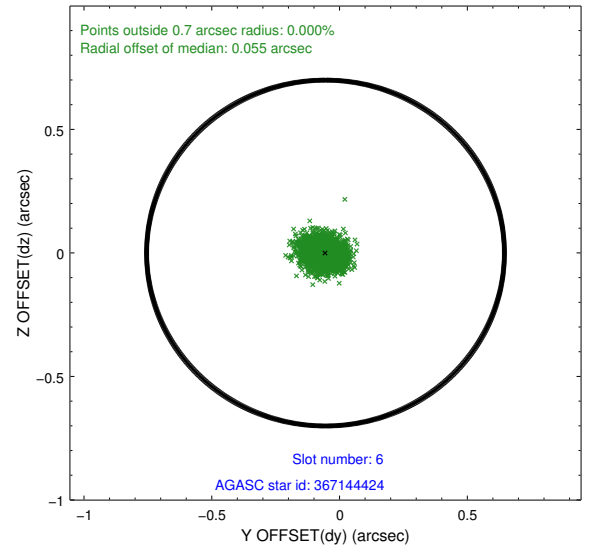
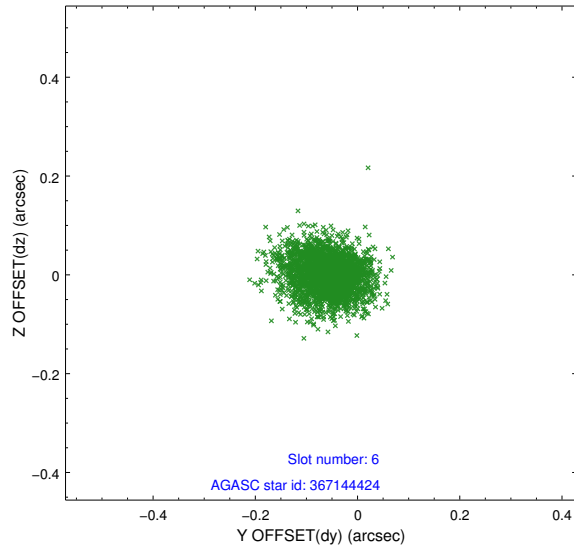
2.4.2 Slot 4



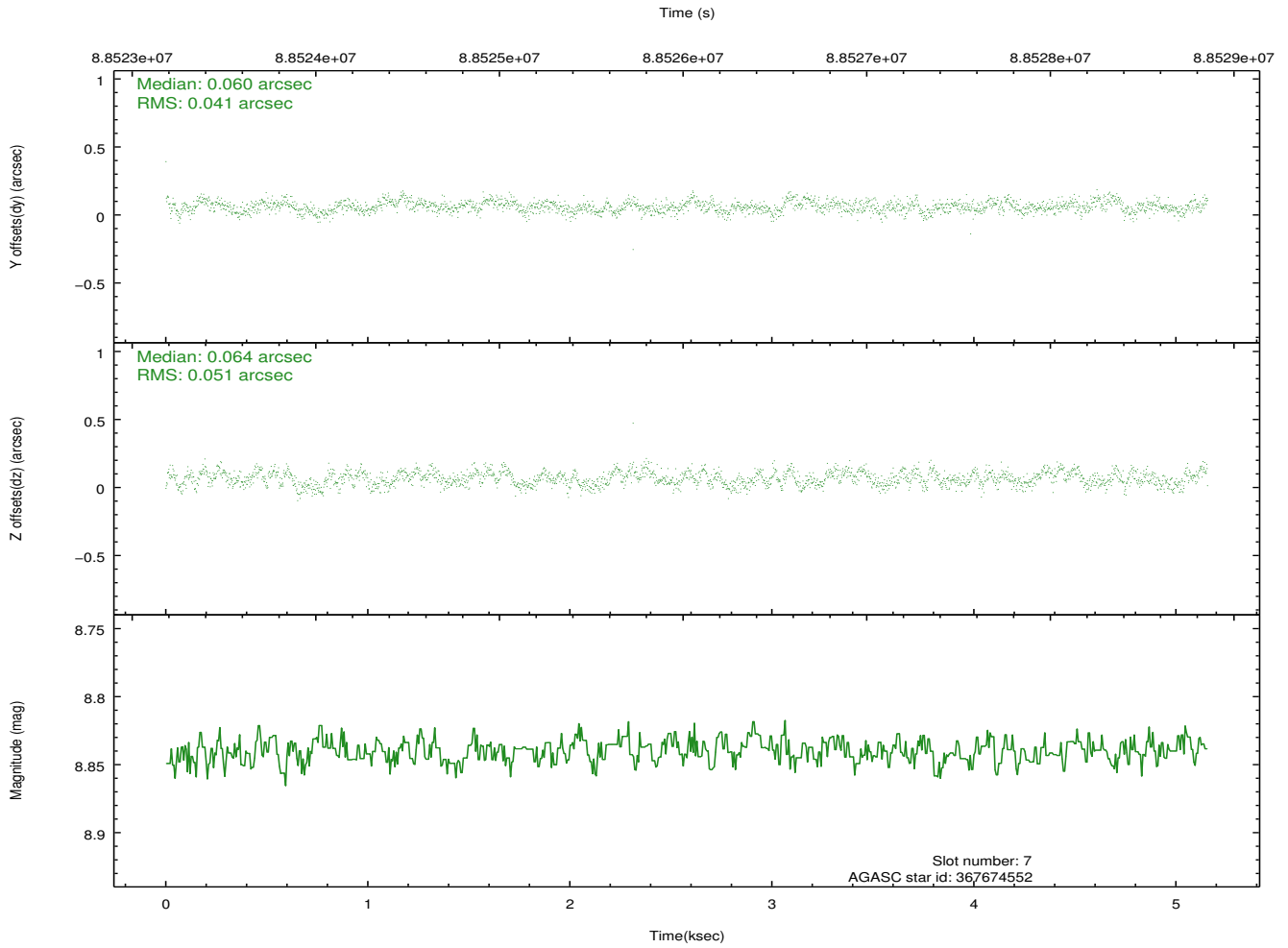
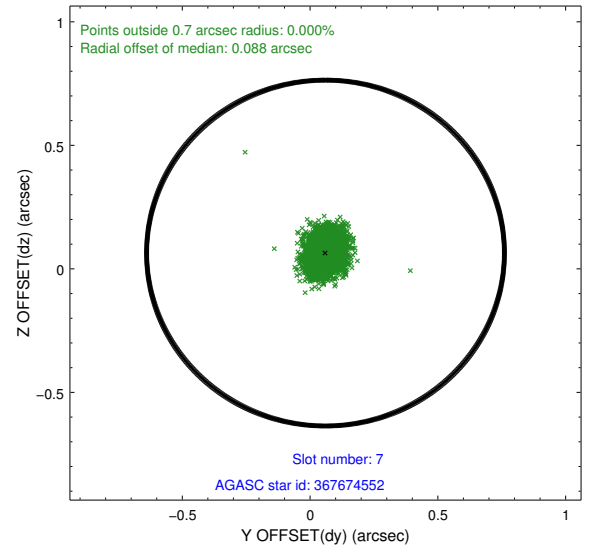
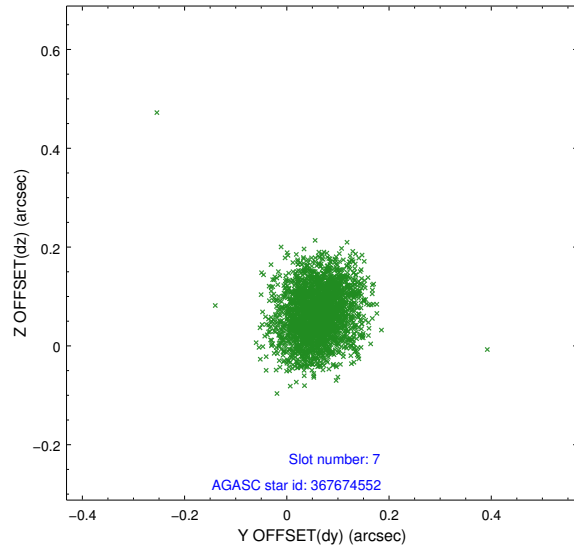
2.4.3 Slot 5



2.4.4 Slot 6

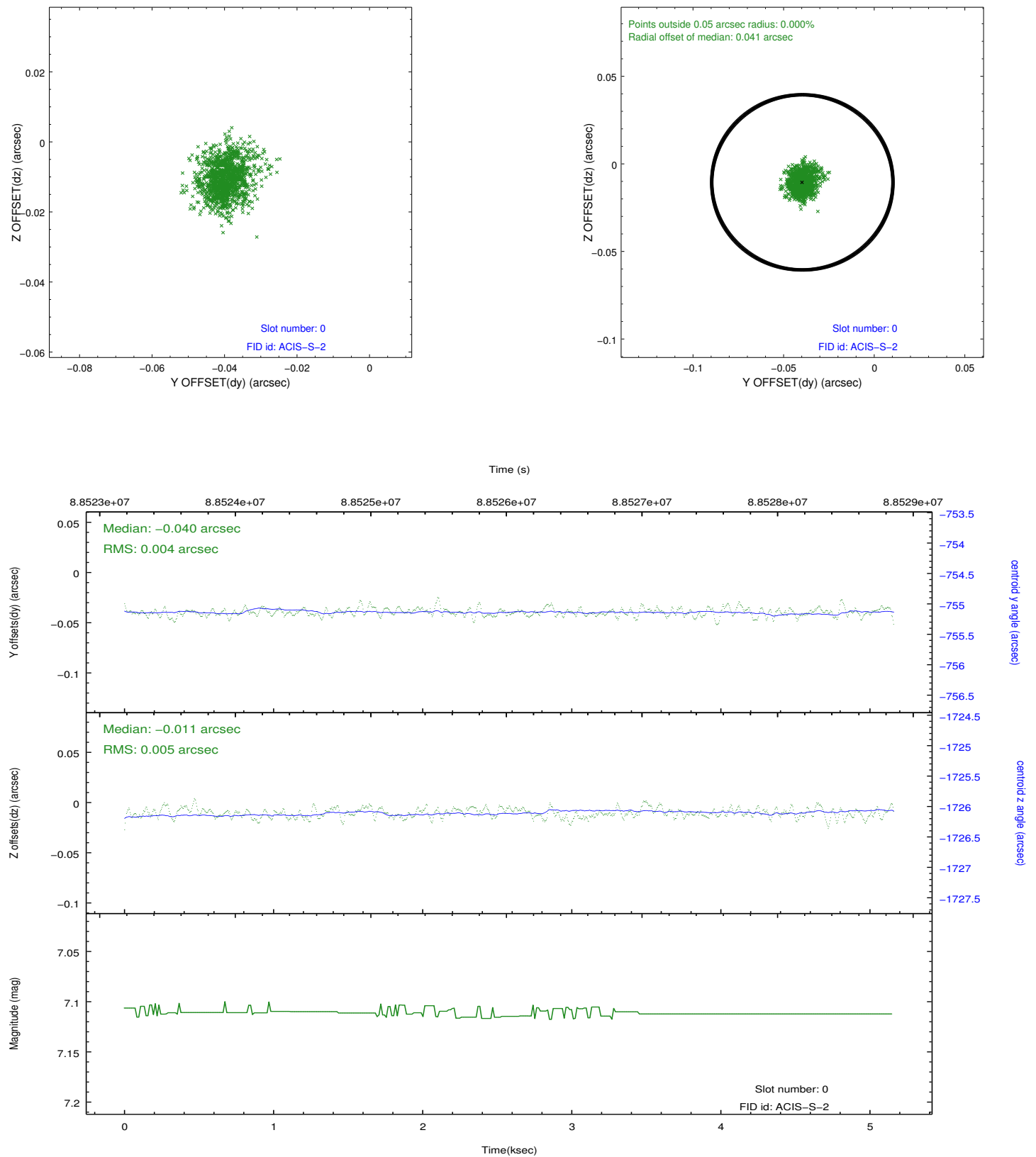


2.4.5 Slot 7

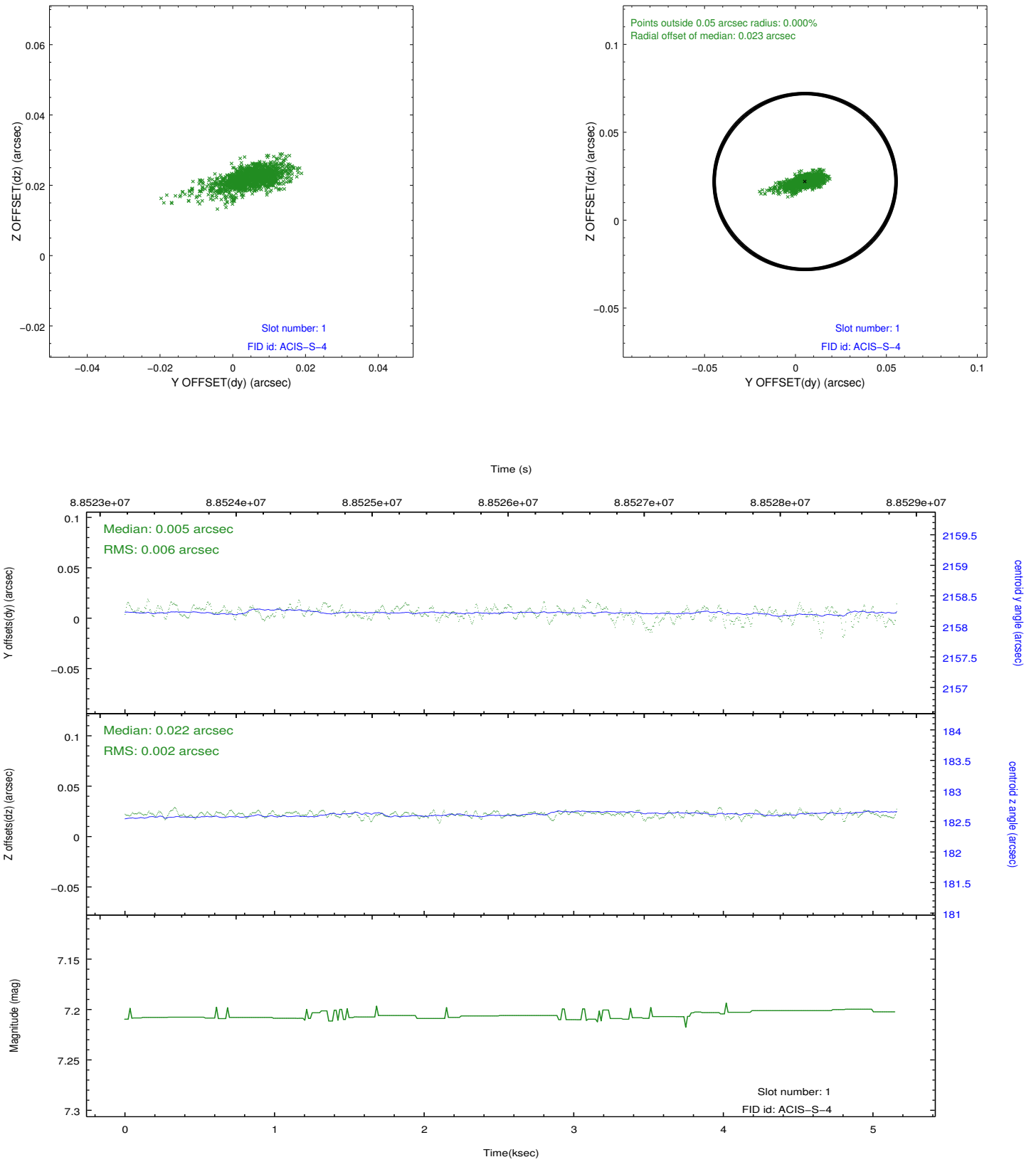


2.5 FID Slots

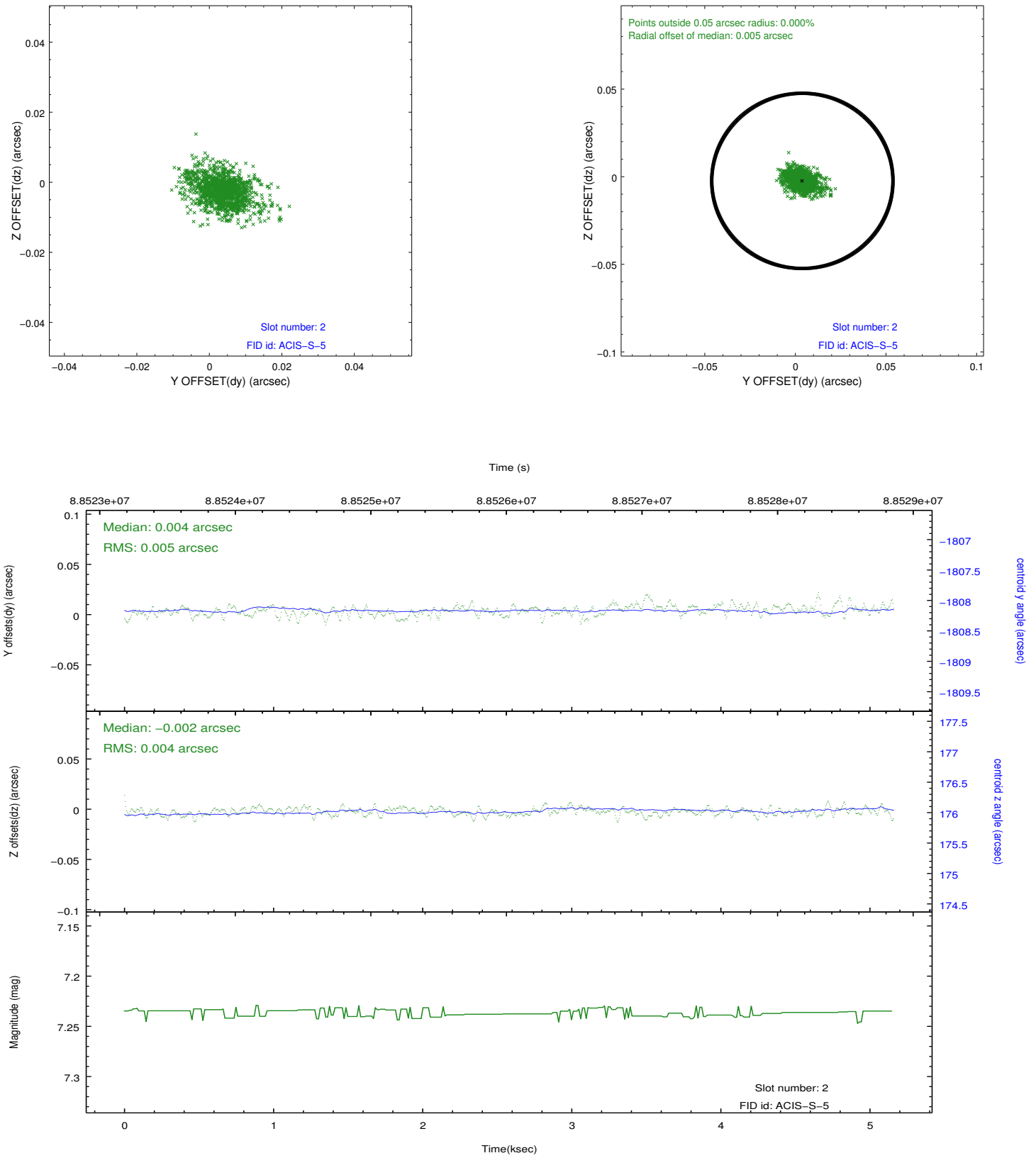
2.5.1 Slot 0



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	5.148

A.2 Comments

Window preference met.